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# **NASA THESAURUS**

**VOLUME 1  
HIERARCHICAL LISTING  
1988 EDITION**



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# PREFACE

The National Aeronautics and Space Act of 1958 tasks the National Aeronautics and Space Administration to "provide for the widest practicable and appropriate dissemination of information concerning its activities and the results thereof." To fulfill the Space Act mandate, NASA established a system of acquisition, processing, publication, announcement, dissemination, and exchange. Its purpose was to promote the highest R&D quality and productivity and to minimize R&D duplication. The embodiment of this system is the NASA Scientific and Technical Information (STI) Program. The STI Program is administered by the Scientific and Technical Information Division.

At the heart of the STI Program is a vast wealth of aerospace information. Over three million documents have been put on record in the NASA STI database. The subject coverage of the collection reflects NASA's mission.

Computerized searches of this database are possible through use of NASA/RECON, the forerunner of many major online bibliographic search systems. The NASA Thesaurus is the key to the subject matter of the three million documents.

Three major organizations are responsible for providing information to be included in the NASA STI database; the NASA Scientific and Technical Information Facility, the American Institute of Aeronautics and Astronautics, and the European Space Agency. The European Space Agency acts as a doorway to European aerospace literature and plays a vital role in acquisitions.

The American Institute of Aeronautics and Astronautics (AIAA) acquires periodicals (including government-sponsored journals) and books, meeting papers, and conference proceedings issued by professional societies and academic organizations, and translations of journals and journal articles. In addition to adding this material into the database, AIAA publishes *International Aerospace Abstracts (IAA)* twice a month.

The NASA Scientific and Technical Information Facility acquires NASA authored, NASA contractor, and NASA grantee reports; reports issued by government agencies, domestic and foreign institutions, universities, and private firms; translations; NASA-owned patents and patent applications; and dissertations and theses emphasizing aeronautics, space, and supporting disciplines. In addition to updating the database, the facility prepares a variety of announcement and abstract journals, including *Scientific and Technical Aerospace Reports (STAR)*. Both *IAA* and *STAR* publications use the NASA Thesaurus vocabulary for indexing.

In addition to its abstract and announcement services, the STI Division is responsible for Special Publications, Conference Publications, Reference Publications, and other report series. The STI Division promotes public access by contributing to the Federal Depository Library Program; at least one copy of every NASA publication, including the NASA Thesaurus, is available in either microfiche or printed form at 50 libraries throughout the United States. NASA publications are also available for sale by the Superintendent of Documents, U.S. Government Printing Office, or by the National Technical Information Service.

The Aerospace Database, a consolidation of *IAA* and *STAR*, is available for public use within the United States through commercial database vendors. The Aerospace Database uses the NASA Thesaurus for its controlled vocabulary.

# INTRODUCTION

The *NASA Thesaurus* contains the authorized subject terms by which the documents in the NASA scientific and technical information database are indexed and retrieved. The *NASA Thesaurus* comprises three volumes: Volume 1 - Hierarchical Listing, Volume 2 - Access Vocabulary, and Volume 3 - Definitions.

The *Hierarchical Listing* contains all subject terms and USE cross references currently approved for use. The *Listing* includes terms appearing in the *NASA Thesaurus, Preliminary Edition* (December 1967), the *NASA Thesaurus Alphabetical Update* (September 1971), the *NASA Thesaurus 1982 Edition*, the *NASA Thesaurus 1985 Edition*, and other terms approved for use through March 1988. The *Listing* contains postable and nonpostable terms. Over 17,000 terms and nearly 4,000 USE references comprise the *Hierarchical Listing* which includes over 165,000 broader, narrower and related term entries.

The *Access Vocabulary* is a ready reference tool which provides thousands of additional 'access points' to the *Thesaurus* terminology. It contains the postable terms and nonpostable terms found in the *Hierarchical Listing* along with pseudoterms, embedded terms, and other entry terms. It is a useful companion to the *Hierarchical Listing* and its use is encouraged. The *Access Vocabulary* contains almost 42,000 entries.

*Definitions* defines most of the terms added to the *Thesaurus* since 1976 and many of the earlier terms. It can be consulted as an authority for uppercase/lowercase versions of *Thesaurus* terms. Over 3,200 definitions are complimented by nearly 1,000 use references.

The *NASA Thesaurus* is updated by the *NASA Thesaurus Supplement* until a new edition is issued. The *NASA Thesaurus Supplement* is cumulative and is published semiannually in January and July. It includes complete hierarchies for all new terms, the *Access Vocabulary*, and *Definitions* added since the last edition. A listing of deletions and changes is also included. Suggestions for term modification, deletion, and addition should be addressed to: Lexicographer, NASA Scientific and Technical Information Facility, P.O. Box 8757, BWI Airport, Maryland 21240.

The terminology of the *NASA Thesaurus* is based in large part on the actual indexing vocabulary developed by NASA during the sixties. Other thesauri, notably the DOD *Thesaurus of Engineering and Scientific Terms*, (AD-672000), have provided additional candidate terms. The general guidelines in creating and maintaining the *NASA Thesaurus* have been based on the COSATI *Guidelines for the Development of Information Retrieval Thesauri* (1 September 1967).

This edition of the *NASA Thesaurus* has undergone extensive revision. Array term hierarchies have been revised and expanded.

## NOMENCLATURE AND CONVENTIONS

The nomenclature and conventions employed in the *NASA Thesaurus* follow.

**Postable Terms.** Subject terms that have been approved for use in indexing and thus, can be 'posted'.

**Nonpostable terms.** Terms that are included for cross reference information and cannot be used for indexing.

**Term Selection.** Subject terms have been chosen on the basis of their significance and use in aerospace literature and their effectiveness in incorporating productive retrieval concepts. Particular consideration has been given to frequency of use in earlier NASA indexing and search vocabularies, to relationships with other terms in the vocabulary, and to precise scientific and technical usage.

**Noun Usage.** In general, subject terms are presented in the noun form.

**Singular vs. Plural.** The plural form has in general been used for subject terms. The singular form, however, is occasionally employed for specific processes, properties, conditions, and hardware.

**Term Length.** No more than 42 characters, including spaces, are used for any subject term. Various words in longer terms are often truncated. With this edition scope notes are used to spell out truncated terms.

**Term Ambiguity.** When subject terms have more than one meaning in aerospace usage, or where distinction between terms must be made, clarification is provided in one of two ways:

- a) Parenthetical qualifying expressions or glosses are added, becoming part of the subject term. For example:

SIZING (SHAPING)  
SIZING (SURFACE TREATMENT)

- b) Parenthetical scope notes are also added for explanation or definition; they do not become part of the subject term. For example:

**SPECTROSCOPIC ANALYSIS**  
SN (FOR SPECTROSCOPIC TOOLS IN CHEMICAL ANALYSIS)

**Direct Entry.** Subject terms that consist of more than one word are listed for direct entry, i.e., in their natural word order rather than in the inverted form. Inverted forms appear in the *Access Vocabulary*. For example:

**ANALYTICAL CHEMISTRY not CHEMISTRY, ANALYTICAL**

**Abbreviations and Acronyms.** Some abbreviations and acronyms that are in common use in the aerospace community are employed in this *Thesaurus*. In most cases USE cross references are made from the unabbreviated forms. For example:

**ORBITING SOLAR OBSERVATORY**  
USE OSO

**Synonyms.** When candidate subject terms are true synonyms, one is chosen to be the valid, or postable term, and the other is provided with a USE cross reference. For example:

**COLUMBIUM**  
USE NIOBIUM

**NIOBIUM**  
UF COLUMBIUM

**Array Terms.** Subject terms with meaning either too broad or ambiguous for effective indexing or retrieval of information, have been designated array terms and carry the following scope note: (USE OF A MORE SPECIFIC TERM IS RECOMMENDED — CONSULT THE TERMS LISTED BELOW). Relationships with other postable terms are shown by the Related Term (RT) reference only. For example:

**BEAMS**  
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED —  
CONSULT THE TERMS LISTED BELOW)  
RT BEAMS (RADIATION)  
BEAMS (SUPPORTS)

An infinity symbol,( $\infty$ ) precedes an array term in each of its appearances in Volume 1.

**Identifiers.** In the *NASA Thesaurus* identifiers, i.e., subject terms that include a numeric or alphabetic designation, or both for a specific model or item, are treated as regular terms and are provided complete cross references. For example:

**F-111 AIRCRAFT**  
UF LASV  
TFX AIRCRAFT  
GS ATTACK AIRCRAFT  
• FIGHTER AIRCRAFT  
• • **F-111 AIRCRAFT**  
GENERAL DYNAMICS AIRCRAFT  
• **F-111 AIRCRAFT**  
GRUMMAN AIRCRAFT  
• **F-111 AIRCRAFT**  
JET AIRCRAFT  
• TURBOFAN AIRCRAFT  
• • **F-111 AIRCRAFT**  
SUPERSONIC AIRCRAFT  
• **F-111 AIRCRAFT**  
RT  $\infty$  AIRCRAFT  
MISSION ADAPTIVE WINGS  
VARIABLE SWEEP WINGS

## CROSS REFERENCE STRUCTURE

Cross reference relationships in the *Hierarchical Listing* are shown as follows:

<i>Cross References</i>	<i>Notation</i>
Broader Term .....	GS
Narrower Term .....	GS
Related Term .....	RT
Use .....	USE
Used For .....	UF

These cross references have the following applications:

**Broader Term.** This reference indicates that the term represents more inclusive concepts. In the Generic Structure (GS), the Broader Terms appear above and to the left of the term referenced. For example:

```
REENTRY COMMUNICATION
GS TELECOMMUNICATION
  • SPACE COMMUNICATION
  • SPACECRAFT COMMUNICATION
  • REENTRY COMMUNICATION
```

TELECOMMUNICATION, SPACE COMMUNICATION and SPACECRAFT COMMUNICATION are Broader Terms to REENTRY COMMUNICATION.

**Narrower Term.** This reference indicates that the term represents more specific concepts. In the Generic Structure (GS), the Narrower Terms appear below and to the right (indented) of the term referenced. For example:

```
GS SCANNERS
  • COASTAL ZONE COLOR SCANNER
  • HORIZON SCANNERS
  • INFRARED SCANNERS
  • OCEAN COLOR SCANNER
  • OPTICAL SCANNERS
  • FLYING SPOT SCANNERS
  • MULTISPECTRAL BAND SCANNERS
  • THEMATIC MAPPERS (LANDSAT)
  • ULTRASONIC SCANNERS
```

COASTAL ZONE COLOR SCANNER, HORIZON SCANNERS, INFRARED SCANNERS, OCEAN COLOR SCANNERS, and OPTICAL SCANNERS are narrower terms to SCANNERS. FLYING SPOT SCANNERS, MULTISPECTRAL BAND SCANNERS, and THEMATIC MAPPERS (LANDSAT) are narrower to both OPTICAL SCANNERS and SCANNERS.

The number of narrower terms is not limited. For example, ARTIFICIAL SATELLITES has nearly 500 narrower terms.

**Related Term (RT).** This reference indicates that the two terms are closely related conceptually but are not structured within the broader or narrower 'tree', or hierarchy. The reciprocal of the RT reference 'a' is the RT reference 'b' and vice versa.

(a) RADAR EQUIPMENT	(b) RADIO EQUIPMENT
RT RADIO EQUIPMENT	RT RADAR EQUIPMENT

**Use (USE).** This reference indicates that the term is not 'postable', i.e., not a valid term, and that the following term or terms should be used instead. For example:

```
STS
USE SPACE TRANSPORTATION SYSTEM
```

**Used For (UF).** This is a reciprocal of the USE cross reference and identifies valid, or 'postable' terms. For example:

```
SPACE TRANSPORTATION SYSTEM
UF STS
```

## **ALPHABETIZATION**

The ordering of subject terms into an alphabetical arrangement can be accomplished in several ways. The most commonly used methods are the letter-by-letter, word-by-word, and the computer sorting order. In the absence of any universal agreement on a standardized approach, a word-oriented modification of the computer sorting technique has been adopted in this *Thesaurus* as the most useful and economic for this purpose.

Nonalphabetic characters are filed either at the beginning of the alphabet, at the end of the alphabet or are ignored altogether. Thus parens are filed before the alphabet in Volume 1. Parens are ignored for filing in Volume 2 due to permuting. Hypens, slashes and periods follow blank spaces.

## **PREVIOUS EDITIONS**

NASA Thesaurus; Subject Terms for Indexing Scientific and Technical Information. Preliminary Edition, 1967. NASA SP-7030. 3 Vols., Vol. 1. Alphabetical Listing, A-L; Vol. 2. Alphabetical Listing, M-Z; Vol. 3. Appendixes.

NASA Thesaurus Alphabetical Update. 1971, NASA SP-7040.

NASA Thesaurus 1976 Edition, NASA SP-7050. 2 Vols. Vol. 1, Alphabetical Listing; Vol. 2, Access Vocabulary.

NASA Thesaurus. 1982 Edition, NASA SP-7051. 2 Vols. Vol. 1, Hierarchical Listing; Vol. 2, Access Vocabulary.

NASA Thesaurus. 1985 Edition, NASA SP-7053. 2 Vols. Vol. 1, Hierarchical Listing; Vol. 2, Access Vocabulary.

## TYPICAL HIERARCHICAL LISTING ENTRY

<b>POSTABLE TERM</b>	→	<b>FAR ULTRAVIOLET RADIATION</b>
		(200 TO 2000 ÅNGSTRÖMS)
<b>SCOPE NOTE</b>	→	SN
	→	UF
	→	GS
<b>USED FOR TERM</b>	→	
<b>GENERIC STRUCTURE</b>	→	
		· ELECTROMAGNETIC RADIATION
		· ULTRAVIOLET RADIATION
		· · <b>FAR ULTRAVIOLET RADIATION</b>
		· · · LYMAN ALPHA RADIATION
		· · · LYMAN BETA RADIATION
		IONIZING RADIATION
		· ULTRAVIOLET RADIATION
		· · <b>FAR ULTRAVIOLET RADIATION</b>
		· · · LYMAN ALPHA RADIATION
		· · · LYMAN BETA RADIATION
<b>RELATED TERMS</b>	→	RT
		BREMSSTRAHLUNG
		MAGELLAN ULTRAVIOLET ASTRONOMY
		SATELLITE
		NEAR ULTRAVIOLET RADIATION
		∞ RADIATION
		ULTRAVIOLET TELESCOPES
		X RAYS

### TYPICAL USE CROSS REFERENCE ENTRY

**NONPOSTABLE TERM** → **VACUUM ULTRAVIOLET RADIATION**  
**POSTABLE TERM** → **USE FAR ULTRAVIOLET RADIATION**

## TYPICAL ARRAY TERM ENTRY

<b>ARRAY TERM</b>	→	∞	<b>CLUSTERS</b>
<b>SCOPE NOTE</b>	→	SN	(USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)
<b>RELATED TERM</b>	→	RT	CLUMPS GALACTIC CLUSTERS GLOBULAR CLUSTERS PLEIADES CLUSTER PRAESEPE STAR CLUSTERS STAR CLUSTERS VIRGO GALACTIC CLUSTER

# NASA THESAURUS

## VOLUME 1 HIERARCHICAL LISTING

### A

#### A STARS

GS CELESTIAL BODIES  
 . STARS  
 . . . EARLY STARS  
 . . . HOT STARS  
 . . . . A STARS  
 RT BLUE STARS  
 PECULIAR STARS  
 WOLF-RAYET STARS

#### A-1 AIRCRAFT

UF SKYRAIDER AIRCRAFT  
 GS ATTACK AIRCRAFT  
 . A-1 AIRCRAFT  
 MCDONNELL DOUGLAS AIRCRAFT  
 . DOUGLAS AIRCRAFT  
 . . A-1 AIRCRAFT  
 MONOPLANES  
 . A-1 AIRCRAFT  
 RT ∞ AIRCRAFT

#### A-2 AIRCRAFT

UF SAVAGE AIRCRAFT  
 GS ATTACK AIRCRAFT  
 . BOMBER AIRCRAFT  
 . . A-2 AIRCRAFT  
 JET AIRCRAFT  
 . A-2 AIRCRAFT  
 MONOPLANES  
 . A-2 AIRCRAFT  
 NORTH AMERICAN AIRCRAFT  
 . A-2 AIRCRAFT  
 OBSERVATION AIRCRAFT  
 . A-2 AIRCRAFT  
 RT ∞ AIRCRAFT

#### A-3 AIRCRAFT

UF A3D AIRCRAFT  
 SKYWARRIOR AIRCRAFT  
 GS ATTACK AIRCRAFT  
 . BOMBER AIRCRAFT  
 . . A-3 AIRCRAFT  
 JET AIRCRAFT  
 . A-3 AIRCRAFT  
 MCDONNELL DOUGLAS AIRCRAFT  
 . DOUGLAS AIRCRAFT  
 . . A-3 AIRCRAFT  
 MONOPLANES  
 . A-3 AIRCRAFT  
 RT ∞ AIRCRAFT

#### A-4 AIRCRAFT

UF A4D AIRCRAFT  
 SKYHAWK AIRCRAFT  
 GS ATTACK AIRCRAFT  
 . BOMBER AIRCRAFT  
 . . A-4 AIRCRAFT  
 JET AIRCRAFT  
 . A-4 AIRCRAFT  
 MCDONNELL DOUGLAS AIRCRAFT  
 . DOUGLAS AIRCRAFT  
 . . A-4 AIRCRAFT  
 MONOPLANES  
 . A-4 AIRCRAFT  
 RT ∞ AIRCRAFT  
 J-65 ENGINE

#### A-5 AIRCRAFT

UF A3J AIRCRAFT  
 VIGILANTE AIRCRAFT  
 GS ATTACK AIRCRAFT  
 . BOMBER AIRCRAFT  
 . . A-5 AIRCRAFT  
 JET AIRCRAFT  
 . A-5 AIRCRAFT  
 MONOPLANES  
 . A-5 AIRCRAFT

#### A-5 AIRCRAFT-(CONT.)

NORTH AMERICAN AIRCRAFT  
 . A-5 AIRCRAFT  
 SUPERSONIC AIRCRAFT  
 . A-5 AIRCRAFT  
 RT ∞ AIRCRAFT

#### A-6 AIRCRAFT

UF A2F AIRCRAFT  
 INTRUDER AIRCRAFT  
 GS ATTACK AIRCRAFT  
 . BOMBER AIRCRAFT  
 . . A-6 AIRCRAFT  
 GRUMMAN AIRCRAFT  
 . A-6 AIRCRAFT  
 JET AIRCRAFT  
 . A-6 AIRCRAFT  
 MONOPLANES  
 . A-6 AIRCRAFT  
 RT ∞ AIRCRAFT

#### A-7 AIRCRAFT

UF CORSAIR AIRCRAFT  
 GS ATTACK AIRCRAFT  
 . A-7 AIRCRAFT  
 JET AIRCRAFT  
 . TURBOFAN AIRCRAFT  
 . . A-7 AIRCRAFT  
 LING-TEMCO-VOUGHT AIRCRAFT  
 . A-7 AIRCRAFT  
 MONOPLANES  
 . A-7 AIRCRAFT  
 RT ∞ AIRCRAFT

#### A-9 AIRCRAFT

GS ATTACK AIRCRAFT  
 . A-9 AIRCRAFT  
 NORTHROP AIRCRAFT  
 . A-9 AIRCRAFT  
 RECONNAISSANCE AIRCRAFT  
 . A-9 AIRCRAFT  
 RT ∞ AIRCRAFT

#### A-10 AIRCRAFT

GS ATTACK AIRCRAFT  
 . A-10 AIRCRAFT  
 REPUBLIC AIRCRAFT  
 . A-10 AIRCRAFT  
 RT ∞ AIRCRAFT

#### A-11 SATELLITE

USE ECHO 1 SATELLITE

#### A-12 SATELLITE

USE ECHO 2 SATELLITE

#### A-37 AIRCRAFT

GS ATTACK AIRCRAFT  
 . A-37 AIRCRAFT  
 CESSNA AIRCRAFT  
 . A-37 AIRCRAFT  
 MONOPLANES  
 . A-37 AIRCRAFT  
 RT ∞ AIRCRAFT  
 ∞ MILITARY AIRCRAFT  
 T-37 AIRCRAFT

#### A-300 AIRCRAFT

GS COMMERCIAL AIRCRAFT  
 . EUROPEAN AIRBUS  
 . . A-300 AIRCRAFT  
 JET AIRCRAFT  
 . EUROPEAN AIRBUS  
 . . A-300 AIRCRAFT  
 PASSENGER AIRCRAFT  
 . EUROPEAN AIRBUS  
 . . A-300 AIRCRAFT  
 TRANSPORT AIRCRAFT  
 . SHORT HAUL AIRCRAFT

#### A-300 AIRCRAFT-(CONT.)

. . . EUROPEAN AIRBUS  
 . . . . A-300 AIRCRAFT  
 RT ∞ AIRCRAFT  
 ASTROPLANE  
 INTERNATIONAL COOPERATION  
 SWEEP WINGS

#### A-310 AIRCRAFT

GS COMMERCIAL AIRCRAFT  
 . EUROPEAN AIRBUS  
 . . A-310 AIRCRAFT  
 JET AIRCRAFT  
 . EUROPEAN AIRBUS  
 . . A-310 AIRCRAFT  
 PASSENGER AIRCRAFT  
 . EUROPEAN AIRBUS  
 . . A-310 AIRCRAFT  
 TRANSPORT AIRCRAFT  
 . SHORT HAUL AIRCRAFT  
 . . EUROPEAN AIRBUS  
 . . . A-310 AIRCRAFT  
 RT INTERNATIONAL COOPERATION  
 SWEEP WINGS

#### A-320 AIRCRAFT

GS COMMERCIAL AIRCRAFT  
 . EUROPEAN AIRBUS  
 . . A-320 AIRCRAFT  
 JET AIRCRAFT  
 . EUROPEAN AIRBUS  
 . . A-320 AIRCRAFT  
 PASSENGER AIRCRAFT  
 . EUROPEAN AIRBUS  
 . . A-320 AIRCRAFT  
 TRANSPORT AIRCRAFT  
 . SHORT HAUL AIRCRAFT  
 . . EUROPEAN AIRBUS  
 . . . A-320 AIRCRAFT  
 RT INTERNATIONAL COOPERATION  
 SWEEP WINGS

#### AAP 1 MISSION

RT APOLLO APPLICATIONS PROGRAM  
 APOLLO PROJECT  
 SKYLAB PROGRAM

#### AAP 2 MISSION

RT APOLLO APPLICATIONS PROGRAM  
 APOLLO PROJECT  
 SKYLAB PROGRAM

#### AAP 3 MISSION

RT APOLLO APPLICATIONS PROGRAM  
 APOLLO PROJECT  
 SKYLAB PROGRAM

#### AAP 4 MISSION

RT APOLLO APPLICATIONS PROGRAM  
 APOLLO PROJECT  
 SKYLAB PROGRAM

#### ABDOMEN

GS ANATOMY  
 . ABDOMEN  
 RT DIGESTIVE SYSTEM  
 GASTROINTESTINAL SYSTEM  
 INTESTINES  
 PERITONEUM  
 STOMACH  
 VENTRAL SECTIONS  
 VISCERA

#### ABEL FUNCTION

GS ANALYSIS (MATHEMATICS)  
 . REAL VARIABLES  
 . . ABEL FUNCTION  
 FUNCTIONS (MATHEMATICS)  
 . ABEL FUNCTION



## ABERRATION

**ABEL FUNCTION-(CONT.)**  
RT SERIES (MATHEMATICS)

**ABERRATION**  
RT ABNORMALITIES  
ASPHERICITY  
BLURRING  
∞ COMA  
CRYSTAL OPTICS  
DEVIATION  
DISTORTION  
GRAZING INCIDENCE  
SPATIAL FILTERING

**ABILITIES**  
UF PROFICIENCY  
SKILLS  
GS ARTS  
RT **ABILITIES**  
CONSISTENCY  
EFFORT  
HUMAN FACTORS ENGINEERING  
INCOMPATIBILITY  
TRANSFER OF TRAINING

**ABIogenesis**  
GS EVOLUTION (DEVELOPMENT)  
BIOLOGICAL EVOLUTION  
RT **ABIogenesis**  
AUTOCATALYSIS  
CHEMICAL EVOLUTION  
LIFE SCIENCES  
PANSPERMIA  
SPERMATOGENESIS

**ABLATED NOSETIPS**  
USE PANT PROGRAM

**ABLATION**  
RT ABLATIVE MATERIALS  
ABLATIVE NOSE CONES  
AERODYNAMIC HEAT TRANSFER  
AERODYNAMIC HEATING  
AEROTHERMOCHEMISTRY  
ATMOSPHERIC ENTRY  
BURNTHROUGH (FAILURE)  
CHARRING  
COOLING  
DECOMPOSITION  
EROSION  
GAS-METAL INTERACTIONS  
HEAT SHIELDING  
IMPINGEMENT  
JET IMPINGEMENT  
MASS TRANSFER  
MELTING  
PYROLYSIS  
REENTRY  
REENTRY EFFECTS  
REENTRY PHYSICS  
REENTRY SHIELDING  
SUBLIMATION  
TEMPERATURE EFFECTS  
THERMAL ABSORPTION  
THERMAL DECOMPOSITION  
VAPORIZING

**ABLATIVE MATERIALS**  
RT ABLATION  
COOLING  
HEAT SHIELDING  
HEAT SINKS  
∞ MATERIALS  
NOSE CONES  
NOZZLE INSERTS  
PYROLYTIC MATERIALS  
REFRACTORY MATERIALS  
TEMPERATURE  
THERMAL CONTROL COATINGS  
THERMAL PROTECTION

**ABLATIVE NOSE CONES**  
GS CONES  
NOSE CONES  
∞ **ABLATIVE NOSE CONES**  
FOREBODIES  
NOSES (FOREBODIES)  
NOSE CONES  
RT **ABLATIVE NOSE CONES**  
ABLATION  
HEAT SHIELDING  
REENTRY SHIELDING  
REENTRY VEHICLES  
ROCKET NOSE CONES  
SHIELDING

**ABLESTAR LAUNCH VEHICLE**  
GS LAUNCH VEHICLES  
ABLESTAR LAUNCH VEHICLE  
ROCKET VEHICLES  
MULTISTAGE ROCKET VEHICLES  
RT **ABLESTAR LAUNCH VEHICLE**  
LIQUID PROPELLANT ROCKET ENGINES

**ABM**  
USE APOGEE BOOST MOTORS

**ABNORMALITIES**  
RT ABERRATION  
DEVIATION  
DISTORTION  
ECCENTRICITY  
IRREGULARITIES  
UNIQUENESS

**ABORIGINES**  
RT ANTHROPOLOGY  
HUMAN BEINGS  
INHABITANTS

**ABORT APPARATUS**  
GS SAFETY DEVICES  
ABORT APPARATUS  
RT ABORTED MISSIONS  
AIRCRAFT SAFETY  
ARRESTING GEAR  
∞ BARRIERS  
BRAKES (FOR ARRESTING MOTION)  
DRAG DEVICES  
EJECTION SEATS  
∞ EQUIPMENT  
ESCAPE CAPSULES  
ESCAPE ROCKETS  
FLYING EJECTION SEATS

**ABORT TRAJECTORIES**  
GS TRAJECTORIES  
ABORT TRAJECTORIES  
RT ABORTED MISSIONS  
MATS (SYSTEMS)

**ABORTED MISSIONS**  
RT ABORT APPARATUS  
ABORT TRAJECTORIES  
DESTRUCTION  
ENGINE FAILURE  
ESCAPE CAPSULES  
ESCAPE ROCKETS  
FAILURE  
MALFUNCTIONS  
∞ MISSIONS

**ABRASION**  
RT ABRASIVES  
CHIPPING  
CLEANING  
CUTTING  
DRY FRICTION  
EROSION  
FILES (TOOLS)  
FRICTION  
GRINDING (MATERIAL REMOVAL)  
LESIONS  
METALLOGRAPHY  
POLISHING  
SCORING  
SOIL EROSION  
TRIBOLOGY  
WEAR  
WEAR RESISTANCE

**ABRASION RESISTANCE**  
GS MECHANICAL PROPERTIES  
WEAR RESISTANCE  
∞ **ABRASION RESISTANCE**  
RT HARDNESS  
RESISTANCE  
TOUGHNESS

**ABRASIVES**  
RT ABRASION  
ALUMINUM OXIDES  
CARBORUNDUM (TRADEMARK)  
CERAMICS  
DIAMONDS  
GRIT  
PUMICE  
QUARTZ  
SILICON CARBIDES

**ABRIKOSOV THEORY**  
RT CRYSTAL STRUCTURE  
ELECTROMAGNETIC FIELDS  
SUPERCONDUCTIVITY  
SUPERCONDUCTORS  
∞ THEORIES  
VORTICES

**ABSOLUTE ZERO**  
GS TEMPERATURE  
ABSOLUTE ZERO  
RT CRYOGENIC TEMPERATURE  
CRYOGENICS  
SUBZERO TEMPERATURE  
TEMPERATURE EFFECTS  
TEMPERATURE SCALES  
ZERO POINT ENERGY

**ABSORBENTS**  
UF MOLECULAR SIEVES  
GS SORBENTS  
RT **ABSORBENTS**  
ABSORBERS  
ABSORBERS (EQUIPMENT)  
ABSORBERS (MATERIALS)  
ABSORBENTS  
AIR CONDITIONING EQUIPMENT  
DESICCANTS  
LOW DENSITY MATERIALS  
MATERIAL ABSORPTION  
∞ MATERIALS

**ABSORBERS**  
SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT ABSORBENTS  
ABSORBERS (EQUIPMENT)  
ABSORBERS (MATERIALS)  
ATTENUATORS  
CLEANERS  
OSCILLATION DAMPERS  
SHOCK ABSORBERS  
VIBRATION ISOLATORS

**ABSORBERS (EQUIPMENT)**  
SN (EXCLUDES EQUIPMENT FOR  
ABSORBING ENERGY)  
RT ABSORBENTS  
∞ ABSORBERS  
ABSORBERS (MATERIALS)  
AIR CONDITIONING EQUIPMENT  
CLEANERS  
COLUMNS (PROCESS ENGINEERING)  
CONDENSERS (LIQUEFIERS)  
COOLING SYSTEMS  
DEGASSING  
DRYING APPARATUS  
∞ EQUIPMENT  
MATERIAL ABSORPTION  
REFRIGERATING MACHINERY  
SHOCK ABSORBERS

**ABSORBERS (MATERIALS)**  
SN (EXCLUDES ABSORBENTS--LIMITED TO  
MATERIALS FOR ABSORBING RADIATION  
RATHER THAN OTHER MATERIALS)  
GS **ABSORBERS (MATERIALS)**  
RADAR ABSORBERS  
ANTIRADAR COATINGS  
RT ABSORBENTS  
∞ ABSORBERS  
ABSORBERS (EQUIPMENT)  
ACOUSTIC RETROFITTING  
ATTENUATORS  
CLEANERS  
ELECTROMAGNETIC ABSORPTION  
ELECTROMAGNETIC WAVE FILTERS  
ENERGY ABSORPTION  
∞ FILTERS  
HEAT SINKS  
INSULATION  
JACKETS  
LOW DENSITY MATERIALS  
∞ MATERIALS  
NEUTRON ABSORBERS  
RADIATION SHIELDING  
REFRIGERANTS  
SHIELDING  
SINKS  
SOLAR ENERGY ABSORBERS  
STOPPING POWER  
SUPPRESSORS

## ACCELERATION (PHYSICS)

### ABSORPTANCE

GS ELECTROMAGNETIC PROPERTIES  
 . OPTICAL PROPERTIES  
 . . **ABSORPTANCE**  
 RT ALBEDO  
 CAPTURE EFFECT  
 COSMIC RAY ALBEDO  
 DENSITY (MASS/VOLUME)  
 EARTH ALBEDO  
 ELECTROMAGNETIC ABSORPTION  
 LIGHT TRANSMISSION  
 LUNAR ALBEDO  
 OPACITY  
 REFLECTANCE  
 SURFACE PROPERTIES  
 TRANSMISSION  
 TRANSMISSIVITY  
 TRANSMITTANCE  
 TRANSPARENCE  
 TURBIDITY

### ∞ ABSORPTION

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT ABSORPTION COOLING  
 ABSORPTION CROSS SECTIONS  
 ABSORPTION SPECTRA  
 ABSORPTION SPECTROSCOPY  
 ABSORPTIVITY  
 ACTIVATED CARBON  
 ADSORPTION  
 ATOMIC COLLISIONS  
 ATTENUATION  
 AURORAL ABSORPTION  
 BENEFICIATION  
 CAPTURE EFFECT  
 COLLISION PARAMETERS  
 COSMIC RAY ALBEDO  
 DAMPING  
 DESORPTION  
 DIFFUSION  
 DRYING  
 ELECTROMAGNETIC ABSORPTION  
 ENERGY ABSORPTION  
 ENERGY ABSORPTION FILMS  
 GAMMA RAY ABSORPTION  
 INFRARED ABSORPTION  
 INFRARED SPECTRA  
 MATERIAL ABSORPTION  
 MATERIALS RECOVERY  
 MODERATION (ENERGY ABSORPTION)  
 MOLECULAR ABSORPTION  
 MULTIPHOTON ABSORPTION  
 PERMEATING  
 PHOTOABSORPTION  
 PLANETARY ATMOSPHERES  
 POLAR CAP ABSORPTION  
 RADIATION ABSORPTION  
 SELF ABSORPTION  
 SORPTION  
 SOUND TRANSMISSION  
 THERMAL ABSORPTION  
 ULTRAVIOLET ABSORPTION  
 VISIBLE SPECTRUM  
 X RAY ABSORPTION

### ABSORPTION BANDS

USE ABSORPTION SPECTRA

### ABSORPTION COEFFICIENT

USE ABSORPTIVITY

### ABSORPTION COOLING

GS COOLING  
 . **ABSORPTION COOLING**  
 RT ∞ ABSORPTION  
 AMMONIA  
 MAGNETIC COOLING  
 REFRIGERANTS

### ABSORPTION CROSS SECTIONS

UF CAPTURE CROSS SECTIONS  
 RT ∞ ABSORPTION  
 ∞ CROSS SECTIONS  
 IONIZATION CROSS SECTIONS  
 NEUTRON CROSS SECTIONS  
 RADIATION ABSORPTION  
 SCATTERING CROSS SECTIONS  
 STOPPING POWER

### ABSORPTION SPECTRA

UF ABSORPTION BANDS  
 SPECTRAL ABSORPTION  
 GS SPECTRA

### ABSORPTION SPECTRA-(CONT.)

. RADIATION SPECTRA  
 . . **ABSORPTION SPECTRA**  
 . . . FRAUNHOFER LINES  
 . . . HERZBERG BANDS  
 . . . TELLURIC LINES  
 . SPECTRAL BANDS  
 . . **ABSORPTION SPECTRA**  
 . . . FRAUNHOFER LINES  
 . . . HERZBERG BANDS  
 . . . TELLURIC LINES  
 RT ∞ ABSORPTION  
 BALMER SERIES  
 ∞ BANDS  
 CONTINUOUS RADIATION  
 D LINES  
 ELECTROMAGNETIC ABSORPTION  
 ELECTROMAGNETIC SPECTRA  
 ELECTRON SPECTROSCOPY  
 ELECTRONIC SPECTRA  
 EMISSION SPECTRA  
 ENERGY SPECTRA  
 FRAUNHOFER LINE DISCRIMINATORS  
 GALACTIC NUCLEI  
 GAMMA RAY ABSORPTIOMETRY  
 H ALPHA LINE  
 H BETA LINE  
 H GAMMA LINE  
 H LINES  
 IONIZING RADIATION  
 K LINES  
 LASER SPECTROMETERS  
 LINE SPECTRA  
 MICROWAVE SPECTRA  
 MOLECULAR SPECTRA  
 MOLECULAR SPECTROSCOPY  
 OSCILLATOR STRENGTHS  
 PARAMAGNETIC RESONANCE  
 PASCHEN SERIES  
 PHOTOACOUSTIC SPECTROSCOPY  
 PHOTOLUMINESCENT BANDS  
 PHOTON ABSORPTIOMETRY  
 RAMAN SPECTRA  
 RYDBERG SERIES  
 SCHUMANN-RUNGE BANDS  
 SELF ABSORPTION  
 SOLAR SPECTRA  
 SOLAR SPECTROMETERS  
 SPECTRUM ANALYSIS  
 SPIN TEMPERATURE  
 STELLAR SPECTRA  
 SYMBIOTIC STARS  
 ULTRAVIOLET SPECTRA  
 VISIBLE SPECTRUM

### ABSORPTION SPECTROSCOPY

GS SPECTROSCOPY  
 . **ABSORPTION SPECTROSCOPY**  
 . . OPTOGALVANIC SPECTROSCOPY  
 RT ∞ ABSORPTION  
 FRAUNHOFER LINES  
 INFRARED SPECTROSCOPY  
 OPTICAL EQUIPMENT  
 OPTICAL MEASURING INSTRUMENTS  
 ULTRAVIOLET SPECTROSCOPY

### ABSORPTIVE INDEX

USE ABSORPTIVITY

### ABSORPTIVITY

UF ABSORPTION COEFFICIENT  
 ABSORPTIVE INDEX  
 GS ELECTROMAGNETIC PROPERTIES  
 . OPTICAL PROPERTIES  
 . . **ABSORPTIVITY**  
 RT ∞ ABSORPTION  
 BEER LAW  
 BOUGUER LAW  
 DENSITY (MASS/VOLUME)  
 ELECTROMAGNETIC ABSORPTION  
 KIRCHHOFF LAW OF RADIATION  
 OPACITY  
 OSCILLATOR STRENGTHS  
 PHOTOACOUSTIC SPECTROSCOPY  
 SCATTERING COEFFICIENTS  
 SELF ABSORPTION  
 TRANSMISSIVITY  
 TRANSPARENCE

### ABSTRACTS

GS DOCUMENTS  
 . **ABSTRACTS**  
 SUMMARIES  
 . **ABSTRACTS**  
 RT ANNOTATIONS

### ABSTRACTS-(CONT.)

BIBLIOGRAPHIES  
 INDEXES (DOCUMENTATION)  
 INFORMATION RETRIEVAL  
 TECHNICAL WRITING

### ABUNDANCE

UF ELEMENT ABUNDANCE  
 RT AVAILABILITY  
 ENERGY POLICY  
 METALLIC STARS  
 METALLICITY  
 RESERVES  
 RESOURCES  
 STELLAR COMPOSITION

### AC (CURRENT)

USE ALTERNATING CURRENT

### AC GENERATORS

UF ALTERNATING CURRENT GENERATORS  
 ALTERNATORS (GENERATORS)  
 GS ELECTRIC GENERATORS  
 . ROTATING GENERATORS  
 . . **AC GENERATORS**  
 . . . STATIC ALTERNATORS  
 RT COMPULSATORS  
 FREE-PISTON ENGINES  
 ∞ GENERATORS  
 TURBOGENERATORS

### AC-1 AIRCRAFT

USE DHC 4 AIRCRAFT

### ACCELERATED LIFE TESTS

RT ACCEPTABILITY  
 EVALUATION  
 FATIGUE LIFE  
 LIFE (DURABILITY)  
 PERFORMANCE TESTS  
 QUALITY CONTROL  
 SERVICE LIFE  
 ∞ TESTS

### ACCELERATING AGENTS

RT ∞ ACCELERATORS  
 ADMIXTURES  
 ∞ AGENTS  
 CATALYSTS  
 RETARDANTS

### ∞ ACCELERATION

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT ACCELERATION (PHYSICS)  
 ACCELERATION PROTECTION  
 ACCELERATION STRESSES  
 (PHYSIOLOGY)  
 ∞ ACCELERATORS  
 ANGULAR ACCELERATION  
 CATALYSIS  
 ELECTROMAGNETIC ACCELERATION  
 ELECTRON ACCELERATION  
 GRAVIMETRY  
 HIGH ACCELERATION  
 HIGH GRAVITY ENVIRONMENTS  
 HUMAN TOLERANCES  
 IMPACT ACCELERATION  
 PARTICLE ACCELERATION  
 PHYSIOLOGICAL ACCELERATION  
 PLASMA ACCELERATION  
 TRANSVERSE ACCELERATION

### ACCELERATION (PHYSICS)

UF BOOST  
 G FORCE  
 GS RATES (PER TIME)  
 . **ACCELERATION (PHYSICS)**  
 . . ANGULAR ACCELERATION  
 . . DECELERATION  
 . . . SPIN REDUCTION  
 . . . ELECTRON ACCELERATION  
 . . . HIGH ACCELERATION  
 . . . HIGH GRAVITY ENVIRONMENTS  
 . . . IMPACT ACCELERATION  
 . . . PARTICLE ACCELERATION  
 . . . PLASMA ACCELERATION  
 . . . TRANSVERSE ACCELERATION  
 RT ∞ ACCELERATION  
 ACCELERATION STRESSES  
 (PHYSIOLOGY)  
 ACCELEROMETERS  
 BODY KINEMATICS  
 EXPULSION

## ACCELERATION PROTECTION

### ACCELERATION (PHYSICS)-(CONT.)

- FLIGHT STRESS (BIOLOGY)
- ∞ FORCE
  - KINEMATICS
  - KINETICS
  - MECHANICAL SHOCK
- ∞ MOTION
  - PHYSIOLOGICAL ACCELERATION
  - STRESS (PHYSIOLOGY)
  - THRUST
  - THRUST-WEIGHT RATIO
  - VELOCITY

### ACCELERATION PROTECTION

- GS PROTECTION
  - . ACCELERATION PROTECTION
- RT ∞ ACCELERATION
  - EMBEDDING
  - SUPINE POSITION

### ACCELERATION STRESSES (PHYSIOLOGY)

- GS STRESS (PHYSIOLOGY)
  - . ACCELERATION STRESSES (PHYSIOLOGY)
  - . . CENTRIFUGING STRESS
- RT ∞ ACCELERATION
  - ACCELERATION (PHYSICS)
  - AEROSPACE MEDICINE
  - ARTIFICIAL GRAVITY
  - BODY KINEMATICS
  - GRAVITATIONAL EFFECTS
  - GRAVITATIONAL PHYSIOLOGY
  - HEAD MOVEMENT
  - HIGH ACCELERATION
  - LOWER BODY NEGATIVE PRESSURE
  - MOTION SICKNESS
  - PHYSIOLOGICAL ACCELERATION
  - TRANSVERSE ACCELERATION

### ACCELERATION TOLERANCE

- SN (LIMITED TO ABILITY OF ORGANISMS TO WITHSTAND ACCELERATION--FOR EFFECTS ON EQUIPMENT, USE SHOCK RESISTANCE AND MECHANICAL SHOCK) TOLERANCES (PHYSIOLOGY)
- GS . ACCELERATION TOLERANCE
- RT BLACKOUT (PHYSIOLOGY)
  - BLACKOUT PREVENTION
  - CENTRIFUGING STRESS
  - GRAVITATIONAL EFFECTS
  - HIGH ACCELERATION
  - HUMAN CENTRIFUGES
  - HUMAN TOLERANCES
- ∞ RESISTANCE

### ∞ ACCELERATORS

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT ACCELERATING AGENTS
  - ∞ ACCELERATION
    - COAXIAL PLASMA ACCELERATORS
    - CYCLIC ACCELERATORS
    - CYCLOPS PLASMA ACCELERATOR
    - ELECTRON ACCELERATORS
    - GEOCYCLOTRONS
    - HALL ACCELERATORS
    - HYPERVELOCITY GUNS
    - ION ACCELERATORS
    - LINEAR ACCELERATORS
    - NIMROD ACCELERATOR
    - PARTICLE ACCELERATOR TARGETS
    - PARTICLE ACCELERATORS
    - PLASMA ACCELERATORS
    - RACETRACKS (PARTICLE ACCELERATORS)
    - RAILGUN ACCELERATORS
    - SEPA (PAYLOAD)
    - STORAGE RINGS (PARTICLE ACCELERATORS)
    - SYNCHROPHASOTRONS
    - VAN DE GRAAFF ACCELERATORS

### ACCELEROMETERS

- GS MEASURING INSTRUMENTS
  - . ACCELEROMETERS
  - . . STRAIN GAGE ACCELEROMETERS
- RT ACCELERATION (PHYSICS)
  - GRAVIMETERS
  - GRAVIMETRY
  - GYROSCOPIC PENDULUMS
  - MECHANICAL MEASUREMENT
  - PENDULUMS
  - SEISMOGRAPHS
  - SHOCK MEASURING INSTRUMENTS

### ACCELEROMETERS-(CONT.)

- SPEED INDICATORS
- THRUST MEASUREMENT
- VELOCITY MEASUREMENT
- VIBRATION METERS

### ACCEPTABILITY

- UF ACCEPTANCE
- RT ACCELERATED LIFE TESTS
  - COMPATIBILITY
  - EVALUATION
  - EXAMINATION
  - FIGURE OF MERIT
  - INSPECTION
  - PERFORMANCE TESTS
  - PROVING
  - QUALITY CONTROL
  - REJECTION
  - RELIABILITY
  - RISK
  - SAMPLES
  - STANDARDS
  - SUITABILITY
- ∞ TESTS
  - TOLERANCES (MECHANICS)
  - VALIDITY

### ACCEPTANCE

- USE ACCEPTABILITY

### ACCEPTOR MATERIALS

- GS SEMICONDUCTORS (MATERIALS)
  - . ACCEPTOR MATERIALS
- RT CARRIER DENSITY (SOLID STATE)
  - ELECTRONS
  - HOLES (ELECTRON DEFICIENCIES)
- ∞ MATERIALS

### ACCESS CONTROL

- RT COMMUNICATION NETWORKS
  - ∞ CONTROL
    - DATA TRANSMISSION
    - MULTIPLE ACCESS
    - MULTIPLEXING
    - RADIO COMMUNICATION
    - TELECOMMUNICATION

### ACCESS TIME

- GS TIME
  - . ACCESS TIME
- RT DATA PROCESSING
  - RATES (PER TIME)
  - TIME CONSTANT
- ∞ TIME RESPONSE

### ACCESSORIES

- UF ATTACHMENTS
- RT ∞ COMPONENTS
  - EXTENSIONS
  - FITTINGS
  - INSERTS
  - SUBASSEMBLIES

### ACCIDENT INVESTIGATION

- GS INVESTIGATION
  - . ACCIDENT INVESTIGATION
  - . . AIRCRAFT ACCIDENT INVESTIGATION
- RT ACCIDENTS
  - AUTOMOBILE ACCIDENTS
  - WRECKAGE

### ACCIDENT PREVENTION

- UF PRECAUTIONS
- GS PREVENTION
  - . ACCIDENT PREVENTION
- RT ACCIDENTS
  - AEROSPACE SAFETY
  - AIR BAG RESTRAINT DEVICES
  - AUTOMOBILE ACCIDENTS
  - AVOIDANCE
  - FIRE PREVENTION
  - HAZARDS
  - PROTECTION
  - SAFETY
  - SAFETY DEVICES
  - SAFETY MANAGEMENT
  - WARNING
  - WARNING SYSTEMS

### ACCIDENT PRONESS

- RT SAFETY DEVICES
  - SAFETY FACTORS

### ACCIDENTS

- GS ACCIDENTS
  - . BIRD-AIRCRAFT COLLISIONS
  - . LOSS OF COOLANT
- RT ACCIDENT INVESTIGATION
  - ACCIDENT PREVENTION
  - AIR BAG RESTRAINT DEVICES
  - AIRCRAFT ACCIDENTS
  - AUTOMOBILE ACCIDENTS
  - CRASH INJURIES
  - CRASHES
  - DESTRUCTION
  - DISASTERS
  - EMERGENCIES
  - EXPLOSIONS
  - FIRES
  - FIRST AID
  - HAZARDS
  - INDUSTRIAL SAFETY
  - INJURIES
  - SABOTAGE
  - SAFETY
  - SAFETY DEVICES
  - TRAFFIC
  - WRECKAGE

### ACCLIMATIZATION

- UF DEACCLIMATIZATION
- GS ADAPTATION
  - . ACCLIMATIZATION
  - . . ALTITUDE ACCLIMATIZATION
  - . . COLD ACCLIMATIZATION
  - . . HEAT ACCLIMATIZATION
- RT HOMEOSTASIS
  - LIQUID BREATHING
  - STRESS (PHYSIOLOGY)
  - TOLERANCES (PHYSIOLOGY)

### ACCOMMODATION

- RT ADAPTATION
  - CORRECTION
  - EYE (ANATOMY)
  - FOCUSING
  - VISUAL ACCOMMODATION

### ACCOMMODATION COEFFICIENT

- UF THERMAL ACCOMMODATION
  - COEFFICIENTS
- GS COEFFICIENTS
  - . ACCOMMODATION COEFFICIENT
- RT HEAT TRANSFER COEFFICIENTS

### ACCOUNTING

- RT BUDGETING
  - COSTS
  - FINANCE

### ACCRETION

- USE DEPOSITION

### ACCRETION DISKS

- RT ASTROPHYSICS
  - BINARY STARS
  - BLACK HOLES (ASTRONOMY)
  - COOLING FLOWS (ASTROPHYSICS)
  - DISKS (SHAPES)
  - ECLIPSING BINARY STARS
  - GALACTIC NUCLEI
  - ROTATING DISKS
  - STELLAR MASS ACCRETION
  - X RAY BINARIES

### ACCUMULATIONS

- RT ACQUISITION
  - AGGLOMERATION
  - ASSEMBLIES
  - COAGULATION
  - COLLECTION
  - CONCENTRATING
  - DEPOSITION
  - FILLING
  - GROWTH
  - INCREASING
  - INPUT
  - NUCLEATION
  - SETTLING
  - STOCKPILING

### ACCUMULATORS

- UF COLLECTORS
- GS ACCUMULATORS
  - . ACCUMULATORS (COMPUTERS)
  - . DUST COLLECTORS
  - . SOLAR COLLECTORS
- RT ANODES

**ACCUMULATORS-(CONT.)**

CONCENTRATORS  
ENTRAPMENT  
FUEL SYSTEMS  
PRESSURE VESSELS  
PRESSURIZING

**ACCUMULATORS (COMPUTERS)**

GS ACCUMULATORS  
  . **ACCUMULATORS (COMPUTERS)**  
  COMPUTER STORAGE DEVICES  
  . REGISTERS (COMPUTERS)  
  . **ACCUMULATORS (COMPUTERS)**  
RT ADDING CIRCUITS  
  COUNTERS  
  ∞EQUIPMENT

**ACCURACY**

UF ERROR BAND  
  FIDELITY  
GS **ACCURACY**  
  . GEODETIC ACCURACY  
  . GEOMETRIC ACCURACY  
RT ANGULAR RESOLUTION  
  CALIBRATING  
  CONSISTENCY  
  CORRECTION  
  DEFINITION  
  DRIFT (INSTRUMENTATION)  
  DYNAMIC CHARACTERISTICS  
  ERRORS  
  HIGH RESOLUTION  
  HYSTERESIS  
  LINEARITY  
  ∞MEASUREMENT  
  MISS DISTANCE  
  PRECISION  
  QUALITY  
  RANGE ERRORS  
  RELIABILITY  
  RESOLUTION  
  SEQUENTIAL CONTROL  
  STANDARDS  
  SURVEYS  
  ∞TESTS  
  TOLERANCES (MECHANICS)  
  VALIDITY  
  VIRTUAL PROPERTIES

**ACEE PROGRAM**

UF AIRCRAFT ENERGY EFFICIENCY  
  PROGRAM  
  ENERGY EFFICIENCY TRANSPORT  
  PROGRAM  
GS PROGRAMS  
  . NASA PROGRAMS  
  . **ACEE PROGRAM**  
RT AIRCRAFT ENGINES  
  COMBUSTION EFFICIENCY

**ACETALDEHYDE**

GS ALDEHYDES  
  . **ACETALDEHYDE**

**ACETALS**

GS ETHERS  
  . **ACETALS**

**ACETANILIDE**

UF PHENACETIN  
GS NITROGEN COMPOUNDS  
  . AMIDES  
  . **ACETANILIDE**

**ACETATES**

GS **ACETATES**  
  . COBALT ACETATES  
  . LEAD ACETATES  
  . SODIUM CHLORODIFLUOROACETATES  
  . TRIACETIN  
RT ACETIC ACID  
  ACETYSALICYLIC ACID  
  ESTERS  
  ETHYLENEDIAMINETETRAACETIC ACIDS

**ACETATION**

USE ACETYLATION

**ACETAZOLAMIDE**

GS NITROGEN COMPOUNDS  
  . AMIDES  
  . **ACETAZOLAMIDE**  
  ORGANIC COMPOUNDS  
  . CYCLIC COMPOUNDS

**ACETAZOLAMIDE-(CONT.)**

  . HETEROCYCLIC COMPOUNDS  
  . AZOLES  
  . **ACETAZOLAMIDE**  
RT CARBONIC ANHYDRASE  
  DIURETICS

**ACETIC ACID**

GS ACIDS  
  . CARBOXYLIC ACIDS  
  . FATTY ACIDS  
  . **ACETIC ACID**  
  . . . . ETHYLENEDIAMINETETRAACETIC  
  ACIDS  
  . . . . IODOACETIC ACID  
  ORGANIC COMPOUNDS  
  . CARBOXYLIC ACIDS  
  . FATTY ACIDS  
  . **ACETIC ACID**  
  . . . . ETHYLENEDIAMINETETRAACETIC  
  ACIDS  
  . . . . IODOACETIC ACID  
RT ACETATES  
  ACETYL COMPOUNDS  
  TRIACETIN

**ACETONE**

GS KETONES  
  . **ACETONE**  
RT ACETYLACETONE  
  PENTANONE

**ACETONITRILE**

UF ETHANE NITRILE  
  METHYL CYANIDE  
GS CYANIDES  
  . **ACETONITRILE**  
  METHYL COMPOUNDS  
  . **ACETONITRILE**  
  NITRILES  
  . **ACETONITRILE**

**ACETYL COMPOUNDS**

GS ORGANIC COMPOUNDS  
  . **ACETYL COMPOUNDS**  
  . ACETYLACETONE  
  . ACETYSALICYLIC ACID  
RT ACETIC ACID  
  ACETYLATION  
  ALDEHYDES  
  ∞CHEMICAL COMPOUNDS  
  ESTERS

**ACETYLACETONE**

GS KETONES  
  . **ACETYLACETONE**  
  ORGANIC COMPOUNDS  
  . ACETYL COMPOUNDS  
  . **ACETYLACETONE**  
RT ACETONE  
  PENTANONE

**ACETYLATION**

UF ACETATION  
GS CHEMICAL REACTIONS  
  . ACYLATION  
  . **ACETYLATION**  
RT ACETYL COMPOUNDS

**ACETYLENE**

GS ORGANIC COMPOUNDS  
  . HYDROCARBONS  
  . ALIPHATIC HYDROCARBONS  
  . . . . ALKYNES  
  . . . . **ACETYLENE**  
RT CYANOACETYLENE  
  HYDROCARBON FUELS  
  OXYACETYLENE

**ACETYSALICYLIC ACID**

UF ASA  
GS ACIDS  
  . CARBOXYLIC ACIDS  
  . FATTY ACIDS  
  . . . . **ACETYSALICYLIC ACID**  
  ORGANIC COMPOUNDS  
  . ACETYL COMPOUNDS  
  . **ACETYSALICYLIC ACID**  
  . CARBOXYLIC ACIDS  
  . FATTY ACIDS  
  . . . . **ACETYSALICYLIC ACID**  
RT ACETATES  
  SALICYLATES

**ACHIEVEMENT**

RT COMPLETENESS  
  GOALS  
  LEARNING

**ACHONDRITES**

GS CELESTIAL BODIES  
  . METEORITES  
  . . . STONY METEORITES  
  . . . **ACHONDRITES**  
  . . . . BONDOL METEORITE  
  . . . . KAPOETA ACHONDRITE  
  . . . . NORTON COUNTY ACHONDRITE  
RT CHONDRITES  
  IRON METEORITES

**ACID BASE EQUILIBRIUM**

GS CHEMICAL EQUILIBRIUM  
  . **ACID BASE EQUILIBRIUM**  
RT ∞EQUILIBRIUM  
  HOMEOSTASIS  
  PH  
  PH FACTOR  
  STABILIZATION  
  THERMODYNAMIC EQUILIBRIUM

**ACID RAIN**

GS PRECIPITATION (METEOROLOGY)  
  . RAIN  
  . . . **ACID RAIN**  
RT AIR POLLUTION  
  ATMOSPHERIC CHEMISTRY  
  ATMOSPHERIC MOISTURE  
  CLOUDS (METEOROLOGY)  
  DEW  
  METEOROLOGY  
  PH  
  RAINSTORMS  
  SNOW  
  SULFUR OXIDES

**ACIDITY**

GS CHEMICAL PROPERTIES  
  . **ACIDITY**  
RT HYDROGEN IONS  
  ION CONCENTRATION  
  PH  
  TITRATION

**ACIDOSIS**

RT ALKALOSIS  
  HYPERVENTILATION  
  PH  
  PH FACTOR  
  TOXICITY

**ACIDS**

GS **ACIDS**  
  . AMINO ACIDS  
  . . . ALANINE  
  . . . . PHENYLALANINE  
  . . . ASPARTIC ACID  
  . . . CYSTEINE  
  . . . DOPA  
  . . . FOLIC ACID  
  . . . GLUTAMIC ACID  
  . . . GLUTAMINE  
  . . . GLYCINE  
  . . . HIPPURIC ACID  
  . . . HISTIDINE  
  . . . LEUCINE  
  . . . . NORLEUCINE  
  . . . LYSINE  
  . . . MELANOIDIN  
  . . . METHIONINE  
  . . . THYROXINE  
  . . . TRYPTOPHAN  
  . . . TYROSINE  
  . . . AMOBARBITAL  
  . . . ASCORBIC ACID  
  . . . BORIC ACIDS  
  . . . BUTYRIC ACID  
  . . . CARBONIC ACID  
  . . . CARBOXYLIC ACIDS  
  . . . ACRYLIC ACID  
  . . . ALANINE  
  . . . ASPARTIC ACID  
  . . . CITRIC ACID  
  . . . DICARBOXYLIC ACIDS  
  . . . FATTY ACIDS  
  . . . . ACETIC ACID  
  . . . . ETHYLENEDIAMINETETRAACETIC  
  ACIDS  
  . . . . IODOACETIC ACID  
  . . . . ACETYSALICYLIC ACID

## ACOUSTIC ATTENUATION

### ACIDS-(CONT.)

- ... BENZILIC ACID
- ... BENZOIC ACID
- ... LIPOIC ACID
- ... OLEIC ACID
- ... PALMITIC ACID
- ... PROPIONIC ACID
- ... SEBACIC ACID
- ... VALERIC ACID
- ... FOLIC ACID
- ... FORMHYDROXAMIC ACID
- ... FORMIC ACID
- ... HEXOGENES (TRADEMARK)
- ... LACTIC ACID
- ... LYSINE
- ... NICOTINIC ACID
- ... OXALIC ACID
- ... OXAMIC ACIDS
- ... TRYPTOPHAN
- ... CHROMIC ACID
- ... CYANURIC ACID
- ... CYTIDYLIC ACID
- ... HYDRAZOIC ACID
- ... HYDROBROMIC ACID
- ... HYDROCHLORIC ACID
- ... HYDROCYANIC ACID
- ... HYDROFLUORIC ACID
- ... NITRIC ACID
- ... NUCLEIC ACIDS
- ... DEOXYRIBONUCLEIC ACID
- ... RIBONUCLEIC ACIDS
- ... OXIDASE
- ... PERCHLORIC ACID
- ... PHOSPHORIC ACID
- ... SULFONIC ACID
- ... SULFURIC ACID
- ... THYMIDINE
- ... THYMINES
- ... URIC ACID
- ... URIDYLIC ACID
- ... XANTHIC ACIDS
- RT ADRENOCORTICOTROPIN (ACTH)
- ANHYDRIDES
- HYDROGEN COMPOUNDS
- INORGANIC COMPOUNDS
- ∞ OXYGEN COMPOUNDS

### ACOUSTIC ATTENUATION

- GS ATTENUATION
- ... WAVE ATTENUATION
- ... ACOUSTIC ATTENUATION
- ... SHOCK WAVE ATTENUATION
- RT ACOUSTICS
- ANECHOIC CHAMBERS
- ATMOSPHERIC ATTENUATION
- BIOACOUSTICS
- GRAZING FLOW
- NOISE REDUCTION
- SOUND AMPLIFICATION
- WAVE PROPAGATION
- ZERO SOUND

### ACOUSTIC COMBUSTION

- USE COMBUSTION STABILITY

### ACOUSTIC DELAY LINES

- UF SONIC WAVEGUIDES
- GS DELAY LINES
- ... ACOUSTIC DELAY LINES
- RT COMPUTER STORAGE DEVICES
- DELAY CIRCUITS
- SURFACE ACOUSTIC WAVE DEVICES
- TRANSMISSION LINES

### ACOUSTIC DUCTS

- GS DUCTS
- ... ACOUSTIC DUCTS
- RT GRAZING FLOW
- NOISE REDUCTION
- SPATIAL MARCHING

### ACOUSTIC EMISSION

- GS EMISSION
- ... ACOUSTIC EMISSION
- RT ACOUSTIC MEASUREMENT
- CRACK PROPAGATION
- FAILURE ANALYSIS
- FATIGUE TESTING MACHINES
- STRESS WAVES

### ACOUSTIC EXCITATION

- GS EXCITATION
- ... WAVE EXCITATION
- ... ACOUSTIC EXCITATION
- RT ACOUSTICS

### ACOUSTIC EXCITATION-(CONT.)

- SOUND AMPLIFICATION
- SURFACE NOISE INTERACTIONS

### ACOUSTIC FATIGUE

- UF SONIC FATIGUE
- GS FATIGUE (MATERIALS)
- ... ACOUSTIC FATIGUE
- RT ACOUSTICS

### ACOUSTIC FREQUENCIES

- UF SOUND FREQUENCIES
- GS FREQUENCIES
- ... ACOUSTIC FREQUENCIES
- ... AUDIO FREQUENCIES
- ... QUEFRENCIES
- RT ACOUSTIC MEASUREMENT
- ACOUSTIC PROPERTIES
- ACOUSTICS
- FREQUENCY RANGES
- NOISE SPECTRA
- PRESSURE OSCILLATIONS
- RESONANT FREQUENCIES
- SOUND WAVES
- SUBAUDIBLE FREQUENCIES
- ULTRASONIC RADIATION

### ACOUSTIC GENERATORS

- USE SOUND GENERATORS

### ACOUSTIC IMPEDANCE

- GS ACOUSTIC PROPERTIES
- ... ACOUSTIC IMPEDANCE
- IMPEDANCE
- ... ACOUSTIC IMPEDANCE
- RT ACOUSTICS
- GRAZING FLOW

### ACOUSTIC INSTABILITY

- GS ACOUSTIC PROPERTIES
- ... ACOUSTIC INSTABILITY
- STABILITY
- ... ACOUSTIC INSTABILITY
- RT SIGNAL FADING

### ACOUSTIC LEVITATION

- GS LEVITATION
- ... ACOUSTIC LEVITATION
- RT BUOYANCY
- SPACE PROCESSING

### ACOUSTIC MEASUREMENT

- SN (MEASUREMENT OF PROPERTIES, QUANTITIES OR CONDITIONS ASSOCIATED WITH ELASTIC WAVES)
- UF SOUND MEASUREMENT
- GS ACOUSTIC MEASUREMENT
- ... NOISE MEASUREMENT
- RT ACOUSTIC EMISSION
- ACOUSTIC FREQUENCIES
- AMBIENCE
- ANECHOIC CHAMBERS
- AUDIO FREQUENCIES
- AUDIOMETRY
- CEPSTRAL ANALYSIS
- EFFECTIVE PERCEIVED NOISE LEVELS
- FREQUENCY MEASUREMENT
- GRAZING FLOW
- ∞ MEASUREMENT
- MECHANICAL MEASUREMENT
- NOISE METERS
- REVERBERATION CHAMBERS
- SEISMOGRAPHS
- SOUND PRESSURE
- SOUND WAVES
- ULTRASONIC TESTS

### ACOUSTIC MICROSCOPES

- UF SCANNING LASER ACOUSTIC MICROSCOPE (SLAM)
- GS MICROSCOPES
- ... ACOUSTIC MICROSCOPES
- RT ACOUSTIC PROPAGATION
- IMAGING TECHNIQUES
- MICROWAVE FREQUENCIES
- OPTICAL EQUIPMENT
- PHOTOACOUSTIC MICROSCOPY
- WAVE PROPAGATION

### ACOUSTIC NOZZLES

- RT ∞ NOZZLES
- SONIC NOZZLES
- SOUND GENERATORS

### ACOUSTIC PROPAGATION

- GS TRANSMISSION
- ... WAVE PROPAGATION
- ... ACOUSTIC PROPAGATION
- RT ACOUSTIC MICROSCOPES
- ACOUSTICAL HOLOGRAPHY
- ACOUSTICS
- ELASTIC WAVES
- ∞ PROPAGATION
- SOUND PROPAGATION

### ACOUSTIC PROPERTIES

- GS ACOUSTIC PROPERTIES
- ... ACOUSTIC IMPEDANCE
- ... ACOUSTIC INSTABILITY
- ... ACOUSTIC SCATTERING
- ... REVERBERATION
- ... ACOUSTIC VELOCITY
- ... SOUND INTENSITY
- ... ZERO SOUND
- RT ACOUSTIC FREQUENCIES
- FIELD STRENGTH
- GRAZING FLOW
- LAMB WAVES
- MECHANICAL PROPERTIES
- ∞ PHYSICAL PROPERTIES
- ∞ PROPERTIES
- ∞ RESISTANCE
- SOUND WAVES
- WAVE DISPERSION

### ACOUSTIC RADIATION

- USE SOUND WAVES

### ACOUSTIC RETROFITTING

- GS RETROFITTING
- ... ACOUSTIC RETROFITTING
- RT ABSORBERS (MATERIALS)
- AERODYNAMIC NOISE
- AIRCRAFT DESIGN
- AIRCRAFT NOISE
- JET AIRCRAFT NOISE
- MUFFLERS
- NOISE REDUCTION
- VIBRATION ISOLATORS

### ACOUSTIC SCATTERING

- GS ACOUSTIC PROPERTIES
- ... ACOUSTIC SCATTERING
- ... REVERBERATION
- SCATTERING
- ... WAVE SCATTERING
- ... ACOUSTIC SCATTERING
- ... REVERBERATION
- RT ACOUSTIC SOUNDING
- ACOUSTICS
- DEEP SCATTERING LAYERS
- RECIPROCITY THEOREM
- SODAR
- SOUND DETECTING AND RANGING
- SURFACE NOISE INTERACTIONS
- UNDERWATER ACOUSTICS

### ACOUSTIC SIMULATION

- GS SIMULATION
- ... ENVIRONMENT SIMULATION
- ... ACOUSTIC SIMULATION
- RT ELASTIC WAVES
- FLIGHT SIMULATION
- REVERBERATION CHAMBERS

### ACOUSTIC SOUNDING

- GS SOUNDING
- ... ACOUSTIC SOUNDING
- RT ACOUSTIC SCATTERING
- ACOUSTICS
- EARTH ATMOSPHERE
- METEOROLOGY
- ROCKET SOUNDING
- ROCKET VEHICLES
- SOUNDING ROCKETS
- ULTRASONIC TESTS
- UNDERGROUND ACOUSTICS
- UPPER ATMOSPHERE

### ACOUSTIC STABILITY

- USE FREQUENCY STABILITY

### ACOUSTIC STREAMING

- RT FLUID FLOW
- FLUID SWITCHING ELEMENTS
- FRAGMENTATION
- SOUND WAVES
- STREAMLINING

## ACTINIDE SERIES COMPOUNDS

### ACOUSTIC VELOCITY

- UF SONIC SPEED
- SOUND BARRIER
- SOUND VELOCITY
- GS ACOUSTIC PROPERTIES
- ACOUSTIC VELOCITY
- RATES (PER TIME)
- ACOUSTIC VELOCITY
- VELOCITY
- ACOUSTIC VELOCITY
- RT  $\infty$  BARRIERS
- EXHAUST VELOCITY
- GUTENBERG ZONE
- MACH CONES
- MACH NUMBER
- SONIC BOOMS
- SOUND PRESSURE
- SUBSONIC SPEED
- SUPERSONIC SPEED
- TRANSONIC SPEED

### ACOUSTIC VIBRATIONS

- USE SOUND WAVES

### ACOUSTICAL HOLOGRAPHY

- UF SONOHOLOGRAPHY
- SOUND HOLOGRAPHY
- GS IMAGERY
- HOLOGRAPHY
- ACOUSTICAL HOLOGRAPHY
- PHOTOGRAPHY
- HOLOGRAPHY
- ACOUSTICAL HOLOGRAPHY
- RT ACOUSTIC PROPAGATION
- IMAGING TECHNIQUES
- SOUND WAVES
- WAVE FRONT RECONSTRUCTION

### ACOUSTICS

- UF SOUND
- GS ACOUSTICS
- AEROACOUSTICS
- BIOACOUSTICS
- ELECTROACOUSTICS
- GEOMETRICAL ACOUSTICS
- MAGNETOACOUSTICS
- MICROSONICS
- PSYCHOACOUSTICS
- UNDERWATER ACOUSTICS
- RT ACOUSTIC ATTENUATION
- ACOUSTIC EXCITATION
- ACOUSTIC FATIGUE
- ACOUSTIC FREQUENCIES
- ACOUSTIC IMPEDANCE
- ACOUSTIC PROPAGATION
- ACOUSTIC SCATTERING
- ACOUSTIC SOUNDING
- ANECHOIC CHAMBERS
- ARCHITECTURE
- AUDITORY PERCEPTION
- AUDITORY STIMULI
- AUDITORY TASKS
- COMFORT
- EARPHONES
- ECHOES
- EFFECTIVE PERCEIVED NOISE LEVELS
- ELASTIC WAVES
- HARMONIC EXCITATION
- HARMONIC GENERATIONS
- HARMONIC OSCILLATION
- HARMONICS
- HUM
- INFRASONIC FREQUENCIES
- LAMB WAVES
- LAME WAVE EQUATIONS
- LOUDNESS
- NOISE (SOUND)
- NOISE POLLUTION
- NOISE PROPAGATION
- NOISE REDUCTION
- OCTAVES
- OPACITY
- PHONETICS
- POWER SPECTRA
- $\infty$  SCIENCE
- SIMPLE HARMONIC MOTION
- SONIC ANEMOMETERS
- SOUND AMPLIFICATION
- SOUND FIELDS
- SOUND PROPAGATION
- SOUND TRANSMISSION
- SOUND WAVES
- SPEECH
- STEREOPHONICS
- ULTRASONIC CLEANING

### ACOUSTICS-(CONT.)

- ULTRASONIC SCANNERS
- ULTRASONICS
- VERBAL COMMUNICATION
- VIBRATION
- VIBRATION DAMPING
- VOICE COMMUNICATION
- ZERO SOUND
- ACOUSTO-OPTICS
- RT CRYSTAL OPTICS
- ELECTRO-OPTICS
- GEOMETRICAL OPTICS
- IMAGERY
- MAGNETO-OPTICS
- OPTICAL PROPERTIES
- OPTICAL SWITCHING
- $\infty$  OPTICS
- PHOTOACOUSTIC MICROSCOPY
- PHOTOACOUSTIC SPECTROSCOPY

### ACPL (SPACELAB)

- USE ATMOSPHERIC CLOUD PHYSICS LAB (SPACELAB)

### ACQUISITION

- GS ACQUISITION
- DATA ACQUISITION
- TARGET ACQUISITION
- RT ACCUMULATIONS
- COLLECTION
- DETECTION
- DOCUMENTATION
- $\infty$  RECEIVING
- RECOGNITION

### ACRIFLAVINE

- GS ORGANIC COMPOUNDS
- CYCLIC COMPOUNDS
- HETEROCYCLIC COMPOUNDS
- ACRIFLAVINE
- RT ANTISEPTICS
- DYES

### ACROBATICS

- RT FLIGHT CONTROL
- MANEUVERS

### ACROLEINS

- GS ALDEHYDES
- ACROLEINS
- RT TOXICITY AND SAFETY HAZARD

### ACRYLATES

- GS ESTERS
- ACRYLATES
- RT RESINS

### ACRYLIC ACID

- GS ACIDS
- CARBOXYLIC ACIDS
- ACRYLIC ACID
- ORGANIC COMPOUNDS
- CARBOXYLIC ACIDS
- ACRYLIC ACID

### ACRYLIC RESINS

- UF METHACRYLATE RESINS
- POLYACRYLATES
- GS PLASTICS
- SYNTHETIC RESINS
- ADDITION RESINS
- ACRYLIC RESINS
- RESINS
- SYNTHETIC RESINS
- ADDITION RESINS
- ACRYLIC RESINS
- RT LATEX
- THERMOPLASTIC RESINS

### ACRYLONITRILES

- UF VINYL CYANIDE
- GS NITRILES
- ACRYLONITRILES
- RT PLASTICS

### ACTH

- USE ADRENOCORTICOTROPIN (ACTH)

### ACTINIDE SERIES

- GS CHEMICAL ELEMENTS
- ACTINIDE SERIES
- ACTINIUM
- RADIUM

### ACTINIDE SERIES-(CONT.)

- RADIUM ISOTOPES
- RADIUM 226
- THORIUM
- THORIUM ISOTOPES
- TRANSURANIUM ELEMENTS
- AMERICIUM
- AMERICIUM ISOTOPES
- AMERICIUM 241
- BERKELIUM
- CALIFORNIUM
- CALIFORNIUM ISOTOPES
- CURIUM
- CURIUM ISOTOPES
- CURIUM 242
- CURIUM 244
- EINSTEINIUM
- FERMIUM
- LAWRENCIUM
- MENDELEVIUM
- MENDELEVIUM ISOTOPES
- NEPTUNIUM
- NEPTUNIUM ISOTOPES
- NOBELIUM
- PLUTONIUM
- PLUTONIUM ISOTOPES
- PLUTONIUM 238
- PLUTONIUM 239
- PLUTONIUM 240
- PLUTONIUM 241
- PLUTONIUM 244
- SERGENIUM
- URANIUM
- URANIUM ISOTOPES
- URANIUM 232
- URANIUM 233
- URANIUM 234
- URANIUM 235
- URANIUM 238
- METALS
- ACTINIDE SERIES
- ACTINIUM
- RADIUM
- RADIUM ISOTOPES
- RADIUM 226
- THORIUM
- THORIUM ISOTOPES
- TRANSURANIUM ELEMENTS
- AMERICIUM
- AMERICIUM ISOTOPES
- AMERICIUM 241
- BERKELIUM
- CALIFORNIUM
- CALIFORNIUM ISOTOPES
- CURIUM
- CURIUM ISOTOPES
- CURIUM 242
- CURIUM 244
- EINSTEINIUM
- FERMIUM
- LAWRENCIUM
- MENDELEVIUM
- MENDELEVIUM ISOTOPES
- NEPTUNIUM
- NEPTUNIUM ISOTOPES
- NOBELIUM
- PLUTONIUM
- PLUTONIUM ISOTOPES
- PLUTONIUM 238
- PLUTONIUM 239
- PLUTONIUM 240
- PLUTONIUM 241
- PLUTONIUM 244
- SERGENIUM
- URANIUM
- URANIUM ISOTOPES
- URANIUM 232
- URANIUM 233
- URANIUM 234
- URANIUM 235
- URANIUM 238
- RT RADIOACTIVE ISOTOPES
- RADIOACTIVE MATERIALS
- TRANSITION METALS

### ACTINIDE SERIES COMPOUNDS

- GS ACTINIDE SERIES COMPOUNDS
- CALIFORNIUM COMPOUNDS
- CURIUM COMPOUNDS
- EINSTEINIUM COMPOUNDS
- NEPTUNIUM COMPOUNDS
- PLUTONIUM COMPOUNDS
- PLUTONIUM FLUORIDES
- PLUTONIUM OXIDES
- THORIUM COMPOUNDS
- THORIUM FLUORIDES

## ACTINIUM

### ACTINIDE SERIES COMPOUNDS-(CONT.)

- . . . THORIUM OXIDES
- . . . URANIUM COMPOUNDS
- . . . URANIUM CARBIDES
- . . . URANIUM FLUORIDES
- . . . URANIUM OXIDES

RT ∞ CHEMICAL COMPOUNDS  
∞ GROUP 3B COMPOUNDS

### ACTINIUM

GS CHEMICAL ELEMENTS  
. . . ACTINIDE SERIES  
. . . **ACTINIUM**  
METALS  
. . . ACTINIDE SERIES  
. . . **ACTINIUM**

### ACTINOGRAPHS

USE ACTINOMETERS

### ACTINOMETERS

UF ACTINOGRAPHS  
EMISSOGRAPHS  
GS MEASURING INSTRUMENTS  
. . . RADIATION MEASURING INSTRUMENTS  
. . . **ACTINOMETERS**  
. . . . INFRARED SPECTROMETERS  
. . . . PYRANOMETERS  
. . . . RADIOMETERS  
. . . . . DICKE RADIOMETERS  
. . . . . INFRARED DETECTORS  
. . . . . INFRARED SCANNERS  
. . . . . MICROWAVE RADIOMETERS  
. . . . . PASSIVE L-BAND RADIOMETERS  
. . . . . PRESSURE MODULATOR  
. . . . . RADIOMETERS  
. . . . . SPECTRORADIOMETERS  
. . . . . SOLAR SPECTROMETERS  
. . . . . SPECTROHELIOGRAPHS  
. . . . . SPECTROPHOTOMETERS  
. . . . . INFRARED  
. . . . . SPECTROPHOTOMETERS  
. . . . . ULTRAVIOLET  
. . . . . SPECTROPHOTOMETERS  
. . . . . ULTRAVIOLET DETECTORS  
. . . . . ULTRAVIOLET SPECTROMETERS  
. . . . . ULTRAVIOLET  
. . . . . SPECTROPHOTOMETERS  
RT DOSIMETERS  
FABRY-PEROT SPECTROMETERS  
FIELD INTENSITY METERS  
SPECTROMETERS

### ACTINOMYCETES

GS MICROORGANISMS  
. . . BACTERIA  
. . . **ACTINOMYCETES**

### ACTINOMYCIN

GS DRUGS  
. . . ANTIBIOTICS  
. . . **ACTINOMYCIN**

### ACTIVATED CARBON

GS CHARCOAL  
. . . **ACTIVATED CARBON**  
RT ∞ ABSORPTION  
CARBON  
FILTRATION  
HEMOPERFUSION  
WATER TREATMENT

### ACTIVATED SLUDGE

GS SLUDGE  
. . . **ACTIVATED SLUDGE**  
RT BIODEGRADATION  
HUMAN WASTES  
METABOLIC WASTES  
SEWAGE  
WASTES

### ACTIVATION

RT ACTUATION  
CATALYSIS  
DEACTIVATION  
ELECTROMAGNETIC ABSORPTION  
EXCITATION  
FLOTATION  
INITIATION  
IONIZATION POTENTIALS  
IRRADIATION  
SENSITIZING  
STARTING  
STIMULATION

### ACTIVATION (BIOLOGY)

RT ACTIVATION ENERGY  
∞ BIOLOGY  
∞ CELLS  
ENZYMES  
STIMULATION

### ACTIVATION ANALYSIS

GS **ACTIVATION ANALYSIS**  
. . . NEUTRON ACTIVATION ANALYSIS  
RT ∞ ANALYZING

### ACTIVATION ENERGY

RT ACTIVATION (BIOLOGY)  
DAMKOHLER NUMBER  
ELECTRON ENERGY  
∞ ENERGY  
HEAT  
NUCLEAR BINDING ENERGY  
NUCLEAR CAPTURE  
PROTON ENERGY  
ROTONS  
SURFACE ENERGY

### ACTIVE CONTROL

GS AUTOMATIC CONTROL  
. . . ADAPTIVE CONTROL  
. . . **ACTIVE CONTROL**  
RT AIRCRAFT CONTROL  
∞ CONTROL  
INTERACTIVE CONTROL  
SELF ADAPTIVE CONTROL SYSTEMS  
SELF ALIGNMENT  
SERVOMECHANISMS

### ACTIVE GALACTIC NUCLEI

GS GALACTIC NUCLEI  
. . . **ACTIVE GALACTIC NUCLEI**  
RT ACTIVE GALAXIES  
GALACTIC RADIATION  
∞ NUCLEI  
QUASARS  
RADIO GALAXIES  
SEYFERT GALAXIES

### ACTIVE GALAXIES

GS CELESTIAL BODIES  
. . . GALAXIES  
. . . **ACTIVE GALAXIES**  
. . . . MARKARIAN GALAXIES  
. . . . RADIO GALAXIES  
. . . . SEYFERT GALAXIES  
RT ACTIVE GALACTIC NUCLEI  
GALACTIC NUCLEI  
GALACTIC RADIATION  
QUASARS

### ACTIVE GLACIERS

USE GLACIERS

### ACTIVE MAGNETO PARTICLE TRACER EXPLORERS

USE AMPTE (SATELLITES)

### ACTIVE SATELLITES

GS ARTIFICIAL SATELLITES  
. . . **ACTIVE SATELLITES**  
. . . . SYNCOM SATELLITES  
. . . . . EARLY BIRD SATELLITES  
. . . . . SYNCOM 1 SATELLITE  
. . . . . SYNCOM 2 SATELLITE  
. . . . . SYNCOM 3 SATELLITE  
RT ADVENT PROJECT  
EXPLORER 29 SATELLITE  
EXPLORER 36 SATELLITE  
GEODETIC SATELLITES  
GEOS 1 SATELLITE  
GEOS 2 SATELLITE  
GEOS 3 SATELLITE  
NAVIGATION SATELLITES  
NAVSTAR SATELLITES  
PASSIVE SATELLITES  
SYNCHRONOUS SATELLITES

### ACTIVE VOLCANOES

USE VOLCANOES

### ∞ ACTIVITY

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT ACTIVITY (BIOLOGY)  
EXTRAVEHICULAR ACTIVITY  
FACULAE

### ACTIVITY-(CONT.)

INTRAVEHICULAR ACTIVITY  
RADIOACTIVITY  
SOLAR ACTIVITY

### ACTIVITY (BIOLOGY)

UF BIOLOGICAL ACTIVITY  
RT ∞ ACTIVITY  
BIOLOGICAL EFFECTS  
∞ BIOLOGY  
CATALYTIC ACTIVITY

### ACTIVITY CYCLES (BIOLOGY)

GS CYCLES  
. . . **ACTIVITY CYCLES (BIOLOGY)**  
RT ∞ BIOLOGY  
CIRCADIAN RHYTHMS  
PHENOLOGY  
RHYTHM (BIOLOGY)

### ACTS

SN (ADVANCED COMMUNICATIONS  
TECHNOLOGY SATELLITE)  
UF ADVANCED COMMUNICATIONS  
TECHNOLOGY SAT  
GS ARTIFICIAL SATELLITES  
. . . COMMUNICATION SATELLITES  
. . . **ACTS**  
RT EXTREMELY HIGH FREQUENCIES  
MICROWAVE TRANSMISSION  
SATELLITE COMMUNICATION

### ACTUATION

RT ACTIVATION  
ACTUATORS  
EXCITATION  
INITIATION  
NUTATION  
SENSITIZING  
STARTING  
STIMULATION

### ACTUATOR DISKS

GS DISKS (SHAPES)  
. . . **ACTUATOR DISKS**  
RT ∞ DISKS  
∞ FANS  
PROPELLERS

### ACTUATORS

UF CARTRIDGE ACTUATED DEVICES  
HYDRAULIC ACTUATORS  
TRIGGERS  
RT ACTUATION  
AIRCRAFT HYDRAULIC SYSTEMS  
AUTOMATIC CONTROL VALVES  
CAMS  
CONTROL VALVES  
CONTROLLERS  
EXPLOSIVE DEVICES  
∞ INSTRUMENTS  
MISSILE CONTROL  
PROPELLANT ACTUATED INSTRUMENTS  
REGULATORS  
SERVOMECHANISMS  
SERVOMOTORS  
SHAPE CONTROL  
SOLENOIDS  
STARTERS  
STEPPING MOTORS  
TORQUE MOTORS

### ACUITY

GS **ACUITY**  
. . . VISUAL ACUITY  
. . . . HYPEROPIA  
RT ADAPTATION  
DISCRIMINATION  
∞ FREQUENCY RESPONSE  
PERCEPTION  
SENSITIVITY  
THRESHOLDS (PERCEPTION)

### ACYLATION

GS CHEMICAL REACTIONS  
. . . **ACYLATION**  
. . . ACETYLATION  
RT FRIEDEL-CRAFT REACTION

### AD-A SATELLITE

USE EXPLORER 19 SATELLITE

### AD/I B

USE EXPLORER 25 SATELLITE

## ADHESION

**AD/I SATELLITE**  
USE EXPLORER 24 SATELLITE

**ADA (PROGRAMMING LANGUAGE)**  
GS LANGUAGES  
    . PROGRAMMING LANGUAGES  
    . HIGH LEVEL LANGUAGES  
    . . . . **ADA (PROGRAMMING LANGUAGE)**  
RT COMPUTER PROGRAMMING  
    EMBEDDED COMPUTER SYSTEMS

**ADAPTATION**  
GS **ADAPTATION**  
    . ACCLIMATIZATION  
    . . ALTITUDE ACCLIMATIZATION  
    . . COLD ACCLIMATIZATION  
    . . HEAT ACCLIMATIZATION  
    . DESERT ADAPTATION  
    . RETINAL ADAPTATION  
    . . DARK ADAPTATION  
    . . LIGHT ADAPTATION  
RT ACCOMMODATION  
ACUITY  
CORRECTION  
FITTING  
HIBERNATION  
HOMEOSTASIS  
PERCEPTION  
REACTION TIME  
RETRAINING  
SENSITIVITY  
THRESHOLDS (PERCEPTION)  
VISION

**ADAPTERS**  
GS **ADAPTERS**  
    . MULTIPLE DOCKING ADAPTERS  
RT CONNECTORS  
EXTENSIONS  
FITTINGS  
JOINTS (JUNCTIONS)

**ADAPTIVE CONTROL**  
UF ADAPTIVE CONTROL SYSTEMS  
GS AUTOMATIC CONTROL  
    . **ADAPTIVE CONTROL**  
    . . ACTIVE CONTROL  
    . . LEARNING MACHINES  
    . . MODEL REFERENCE ADAPTIVE  
        CONTROL  
    . . SELF ADAPTIVE CONTROL SYSTEMS  
RT AUTOMATA THEORY  
AUTONOMY  
∞CONTROL  
CONTROL THEORY  
CYBERNETICS  
DYNAMIC CONTROL  
FEEDBACK CONTROL  
FEEDFORWARD CONTROL  
MISSION ADAPTIVE WINGS  
OPTIMAL CONTROL  
SELF ALIGNMENT

**ADAPTIVE CONTROL SYSTEMS**  
USE ADAPTIVE CONTROL

**ADAPTIVE FILTERS**  
RT BANDPASS FILTERS  
BANDSTOP FILTERS  
ELECTRIC FILTERS  
ELECTROMAGNETIC WAVE FILTERS  
∞FILTERS  
LINEAR FILTERS  
OPTICAL FILTERS  
TRACKING FILTERS

**ADAPTIVE OPTICS**  
RT ATMOSPHERIC OPTICS  
COMPUTER TECHNIQUES  
FEEDBACK CONTROL  
IMAGING TECHNIQUES  
INSTRUMENT COMPENSATION  
OPTICAL CORRECTION PROCEDURE  
OPTICAL TRANSFER FUNCTION  
∞OPTICS  
SELF ADAPTIVE CONTROL SYSTEMS

**ADDERS (CIRCUITS)**  
USE ADDING CIRCUITS

**ADDING CIRCUITS**  
UF ADDERS (CIRCUITS)  
BINARY SUMMATORS  
GS CIRCUITS

**ADDING CIRCUITS-(CONT.)**  
    . **ADDING CIRCUITS**  
RT ACCUMULATORS (COMPUTERS)  
BINARY INTEGRATION  
COMPUTER COMPONENTS  
LOGIC CIRCUITS

**ADDITION**  
RT ADDITION THEOREM  
AMOUNT  
ARITHMETIC  
COMPUTATION  
NUMBER THEORY  
RESTORATION

**ADDITION RESINS**  
SN (CARBON CHAIN POLYMERS--FOR  
HETEROATOM CHAIN POLYMERS, USE  
POLYETHER RESINS)  
GS PLASTICS  
    . SYNTHETIC RESINS  
    . . **ADDITION RESINS**  
    . . . ACRYLIC RESINS  
    . . . VINYL COPOLYMERS  
RESINS  
    . SYNTHETIC RESINS  
    . . **ADDITION RESINS**  
    . . . ACRYLIC RESINS  
    . . . VINYL COPOLYMERS  
RT CROSSLINKING  
POLYBUTADIENE  
POLYETHYLENE TEREPHTHALATE  
POLYETHYLENES  
POLYISOBUTYLENE  
POLYPROPYLENE  
POLYSTYRENE  
POLYVINYL ALCOHOL  
POLYVINYL CHLORIDE  
SYNTHESIS (CHEMISTRY)  
SYNTHETIC FIBERS  
VULCANIZED ELASTOMERS

**ADDITION THEOREM**  
GS NUMBER THEORY  
    . **ADDITION THEOREM**  
THEOREMS  
RT **ADDITION THEOREM**  
ADDITION

**ADDITIVES**  
UF DOPING (ADDITIVES)  
GS **ADDITIVES**  
    . ADMIXTURES  
    . ANTIFREEZES  
    . ANTIICING ADDITIVES  
    . ANTIKNOCK ADDITIVES  
    . ANTIOXIDANTS  
    . OIL ADDITIVES  
    . OPACIFIERS  
    . PLASTICIZERS  
    . PROPELLANT ADDITIVES  
    . . PROPELLANT BINDERS  
    . . . SOLID ROCKET BINDERS  
RT ∞AGENTS  
ALLOYING  
ANTIMISTING FUELS  
BINDERS (MATERIALS)  
CARRIER INJECTION  
CATALYSTS  
COATINGS  
DILUENTS  
DOPES  
FILLERS  
HIGH ENERGY FUELS  
INHIBITORS  
INTERSTITIALS  
LUBRICANTS  
MAJORITY CARRIERS  
MINORITY CARRIERS  
MODULATION DOPING  
NEUTRALIZERS  
PIGMENTS  
PRESERVATIVES  
RETARDANTS  
SOLVENTS  
STABILIZERS (AGENTS)  
SUPPRESSORS  
TETRAHYDROFURAN  
THICKENERS (MATERIALS)  
TRAVELING SOLVENT METHOD  
VINYL COPOLYMERS

**ADDRESSING**  
RT CODING  
COMPUTER PROGRAMMING

**ADDUCTS**  
RT ∞CHEMICAL COMPOUNDS

**ADEN**  
USE SOUTHERN YEMEN

**ADENINES**  
GS BASES (CHEMICAL)  
    . **ADENINES**  
    . ORGANIC COMPOUNDS  
    . CARBOHYDRATES  
    . . GLUCOSIDES  
    . . . NUCLEOSIDES  
    . . . **ADENINES**  
    . . . CYCLIC COMPOUNDS  
    . . . HETEROCYCLIC COMPOUNDS  
    . . . PURINES  
    . . . **ADENINES**  
    . . . NUCLEOTIDES  
    . **ADENINES**  
PHOSPHORUS COMPOUNDS  
PHOSPHATES  
    . **ADENINES**  
RT RIBONUCLEIC ACIDS

**ADENOSINE DIPHOSPHATE**  
UF ADP  
GS ORGANIC COMPOUNDS  
COENZYMES  
    . **ADENOSINE DIPHOSPHATE**  
CYCLIC COMPOUNDS  
    . HETEROCYCLIC COMPOUNDS  
    . . ADENOSINES  
    . . **ADENOSINE DIPHOSPHATE**  
NUCLEOTIDES  
    . ADENOSINES  
    . . **ADENOSINE DIPHOSPHATE**  
PHOSPHORUS COMPOUNDS  
PHOSPHATES  
    . DIPHOSPHATES  
    . . **ADENOSINE DIPHOSPHATE**

**ADENOSINE TRIPHOSPHATE**  
UF ATP  
GS ORGANIC COMPOUNDS  
COENZYMES  
    . **ADENOSINE TRIPHOSPHATE**  
CYCLIC COMPOUNDS  
    . HETEROCYCLIC COMPOUNDS  
    . . ADENOSINES  
    . . . **ADENOSINE TRIPHOSPHATE**  
NUCLEOTIDES  
    . ADENOSINES  
    . . **ADENOSINE TRIPHOSPHATE**  
PHOSPHORUS COMPOUNDS  
PHOSPHATES  
    . **ADENOSINE TRIPHOSPHATE**  
RT AMINO ACIDS

**ADENOSINES**  
GS ORGANIC COMPOUNDS  
CYCLIC COMPOUNDS  
    . HETEROCYCLIC COMPOUNDS  
    . . **ADENOSINES**  
    . . . ADENOSINE DIPHOSPHATE  
    . . . ADENOSINE TRIPHOSPHATE  
    . . . CYCLIC AMP  
NUCLEOTIDES  
    . **ADENOSINES**  
    . . ADENOSINE DIPHOSPHATE  
    . . ADENOSINE TRIPHOSPHATE  
    . . . CYCLIC AMP

**ADENOVIRUSES**  
GS MICROORGANISMS  
VIRUSES  
    . **ADENOVIRUSES**

**ADEQUACY**  
RT QUALITY  
VALIDITY

**ADHEROMETERS**  
USE ADHESION TESTS

**ADHESION**  
GS SURFACE PROPERTIES  
    . **ADHESION**  
RT ADHESION TESTS  
ADHESIVE BONDING  
AGGLUTINATION  
BONDING  
COLD WELDING  
FUSION (MELTING)



## ADHESION TESTS

### ADHESION-(CONT.)

INTERFACIAL ENERGY  
INTERNAL PRESSURE  
∞ JOINING  
METAL BONDING  
PEELING  
SEALING  
SPREADING  
TACKINESS  
TRACTION  
WETTABILITY

### ADHESION TESTS

UF ADHEROMETERS  
FOKKER BOND TESTERS  
RT ADHESION  
BONDING  
NONDESTRUCTIVE TESTS  
∞ TESTS  
WETTABILITY

### ADHESIVE BONDING

GS BONDING  
RT . ADHESIVE BONDING  
ADHESION  
AGGLUTINATION  
CEMENTATION  
∞ JOINING  
METAL BONDING  
METAL-METAL BONDING  
RESIN BONDING  
SEALING

### ADHESIVES

UF BINDERS (ADHESIVES)  
GS ADHESIVES  
GLUES  
PASTES  
TETRAETHYL ORTHOSILICATE  
RT AGGLUTINATION  
ALKYD RESINS  
BINDERS (MATERIALS)  
CEMENTS  
EPOXY RESINS  
FASTENERS  
FURAN RESINS  
JOINTS (JUNCTIONS)  
METAL-METAL BONDING  
PHENOLIC EPOXY RESINS  
PLASTIC TAPES  
SEALERS  
SEAMS (JOINTS)  
∞ TAPES

### ADI METHODS

USE ALTERNATING DIRECTION IMPLICIT  
METHODS

### ADIABATIC CONDITIONS

GS CONDITIONS  
RT . ADIABATIC CONDITIONS  
CARNOT CYCLE  
COMPRESSING  
ENTHALPY  
ENVIRONMENTS  
EXPANSION  
ISENTROPE  
ISOENERGETIC PROCESSES  
ISOTHERMAL PROCESSES  
POLYTROPIC PROCESSES  
TEMPERATURE  
THERMAL ENVIRONMENTS  
THERMODYNAMIC CYCLES  
THERMODYNAMIC EQUILIBRIUM

### ADIABATIC DEMAGNETIZATION COOLING

RT MAGNETIC COOLING

### ADIABATIC EQUATIONS

RT ∞ EQUATIONS  
EQUATIONS OF STATE  
HEAT TRANSMISSION  
NONADIABATIC THEORY  
SHOCK WAVES

### ADIABATIC FLOW

GS FLUID FLOW  
RT . ADIABATIC FLOW  
STAGNATION TEMPERATURE

### ADIPOSE TISSUES

GS TISSUES (BIOLOGY)  
RT . ADIPOSE TISSUES  
CONNECTIVE TISSUE

### ADIPOSE TISSUES-(CONT.)

FATS

### ADIPRENE (TRADEMARK)

GS RUBBER  
SYNTHETIC RUBBERS  
ADIPRENE (TRADEMARK)

### ADIRONDACK MOUNTAINS (NY)

GS LANDFORMS  
MOUNTAINS  
ADIRONDACK MOUNTAINS (NY)  
RT NEW YORK

### ADJOINTS

GS ALGEBRA  
VECTOR SPACES  
MATRICES (MATHEMATICS)  
ADJOINTS  
RT DATA PROCESSING  
NUMERICAL ANALYSIS

### ADJUSTING

UF ADJUSTMENT  
READJUSTMENT  
RT ALIGNMENT  
CLEARANCES  
COLLIMATION  
CORRECTION  
FITTING  
FOCUSING  
LEVELING  
MATCHING  
OPTICAL CORRECTION PROCEDURE  
POSITIONING  
REVISIONS  
∞ SETTING  
SMOOTHING

### ADJUSTMENT

USE ADJUSTING

### ADMINISTRATION

USE MANAGEMENT

### ADMITTANCE

USE ELECTRICAL IMPEDANCE

### ADMIXTURES

GS ADDITIVES  
ADMIXTURES  
MIXTURES  
ADMIXTURES  
RT ACCELERATING AGENTS  
CATALYSTS  
∞ COMBINATION  
CONCRETES  
FORMULATIONS  
INGREDIENTS  
MIXERS  
MORTARS (MATERIAL)  
SURFACTANTS

### ADOBE FLATS

USE FLATS (LANDFORMS)

### ADP

USE ADENOSINE DIPHOSPHATE

### ADRENAL GLAND

GS ANATOMY  
GLANDS (ANATOMY)  
ENDOCRINE GLANDS  
ADRENAL GLAND  
RT ADRENOCORTICOTROPIN (ACTH)  
EPINEPHRINE

### ADRENAL METABOLISM

GS METABOLISM  
ADRENAL METABOLISM  
RT ALDOSTERONE  
CORTICOSTEROIDS  
CORTISONE  
HYDROXYCORTICOSTEROID

### ADRENALINE

USE EPINEPHRINE

### ADRENERGICS

UF SYMPATHOMIMETICS  
GS DRUGS  
ADRENERGICS  
RT ANTIADRENERGICS  
ANTICOAGULANTS

### ADRENERGICS-(CONT.)

CYCLIC AMP

### ADRENOCORTICOTROPIN (ACTH)

UF ACTH  
GS SECRETIONS  
ENDOCRINE SECRETIONS  
HORMONES  
PITUITARY HORMONES  
ADRENOCORTICOTROPIN (ACTH)  
RT ACIDS  
ADRENAL GLAND  
AMINO ACIDS  
PROTEINS

### ADRIATIC SEA

GS SEAS  
MEDITERRANEAN SEA  
ADRIATIC SEA  
RT ITALY  
YUGOSLAVIA

### ADSORBENTS

GS SORBENTS  
ADSORBENTS  
RT ABSORBENTS  
ADSORPTION  
AIR CONDITIONING EQUIPMENT  
CHARCOAL  
DESICCANTS  
HEMOPERFUSION

### ADSORPTION

GS SORPTION  
ADSORPTION  
CHEMISORPTION  
RT ∞ ABSORPTION  
ADSORBENTS  
ADSORPTIVITY  
BENEFICIATION  
CHROMATOGRAPHY  
CONCENTRATING  
DESORPTION  
DIFFUSION  
ELECTROSTATIC PRECIPITATORS  
ELUTION  
GAS CHROMATOGRAPHY  
GAS-METAL INTERACTIONS  
GIBBS ADSORPTION EQUATION  
∞ SEPARATION  
WATER TREATMENT

### ADSORPTIVITY

GS SURFACE PROPERTIES  
ADSORPTIVITY  
RT ADSORPTION  
CHEMICAL PROPERTIES  
CHEMISORPTION  
∞ PHYSICAL PROPERTIES

### ADVANCED AIRBORNE COMMAND POST

USE E-4A AIRCRAFT

### ADVANCED COMMUNICATIONS TECHNOLOGY

SAT  
USE ACTS

### ADVANCED EVA PROTECTION SYSTEMS

USE AEPS

### ADVANCED ORBITING SOLAR OBSERVATORY

USE AOSO

### ADVANCED RANGE INSTRUMENTATION

AIRCRAFT  
RT AIRBORNE EQUIPMENT  
AIRCRAFT  
∞ AIRCRAFT  
APOLLO PROJECT  
C-135 AIRCRAFT  
DATA ACQUISITION  
TELEMETRY

### ADVANCED RANGE INSTRUMENTATION SHIP

UF ARIS INSTRUMENTATION SHIP  
GS WATER VEHICLES  
SHIPS  
ADVANCED RANGE  
INSTRUMENTATION SHIP  
RT ∞ INSTRUMENTS  
MANNED SPACE FLIGHT NETWORK  
SPACECRAFT TRACKING  
TRACKING NETWORKS

## AERODYNAMIC AXIS

### ADVANCED RECONN ELECTRIC SPACECRAFT

UF ARES (SPACECRAFT)  
GS INTERPLANETARY SPACECRAFT  
  . MARS PROBES  
  . . . **ADVANCED RECONN ELECTRIC SPACECRAFT**  
    UNMANNED SPACECRAFT  
    . SPACE PROBES  
    . . MARS PROBES  
    . . . **ADVANCED RECONN ELECTRIC SPACECRAFT**  
RT ∞SPACECRAFT

### ADVANCED SODIUM COOLED REACTOR

UF ASCR REACTOR  
GS NUCLEAR REACTORS  
  . LIQUID COOLED REACTORS  
  . . LIQUID METAL COOLED REACTORS  
  . . . **ADVANCED SODIUM COOLED REACTOR**

### ADVANCED TECHNOLOGY LABORATORY

GS LABORATORIES  
  . SPACE LABORATORIES  
  . . **ADVANCED TECHNOLOGY LABORATORY**  
    PAYLOADS  
    . SPACE SHUTTLE PAYLOADS  
    . . **ADVANCED TECHNOLOGY LABORATORY**  
RT SPACELAB

### ADVANCED TECHNOLOGY LIGHT TWIN AIRCRAFT

USE ATLIT PROJECT

### ADVANCED TEST REACTORS

UF ATR REACTOR  
GS NUCLEAR REACTORS  
  . NUCLEAR RESEARCH AND TEST REACTORS  
  . . **ADVANCED TEST REACTORS**

### ADVANCED VIDICON CAMERA SYSTEM (AVCS)

UF AVCS  
GS COMMUNICATION EQUIPMENT  
  . **ADVANCED VIDICON CAMERA SYSTEM (AVCS)**  
    TELEVISION SYSTEMS  
    . **ADVANCED VIDICON CAMERA SYSTEM (AVCS)**  
RT ∞SYSTEMS  
  VIDEO EQUIPMENT  
  VIDICONS

### ADVANCED X RAY ASTROPHYSICS FACILITY

USE X RAY ASTROPHYSICS FACILITY

### ADVANCING GLACIERS

USE GLACIERS

### ADVANCING SHORELINES

USE BEACHES

### ADVECTION

RT ATMOSPHERIC CIRCULATION  
  CONVECTION  
  HEAT TRANSFER  
  PECLET NUMBER

### ADVENT PROJECT

GS PROGRAMS  
  . PROJECTS  
  . . **ADVENT PROJECT**  
RT ACTIVE SATELLITES  
  COMMUNICATION SATELLITES  
  COURIER SATELLITE  
  RELAY SATELLITES

### AE-A SATELLITE

USE EXPLORER 17 SATELLITE

### AE-B SATELLITE

USE EXPLORER 32 SATELLITE

### AE-C SATELLITE

USE EXPLORER 51 SATELLITE

### AE-D SATELLITE

USE EXPLORER 54 SATELLITE

### AE-E SATELLITE

USE EXPLORER 55 SATELLITE

### AEOLIAN TONES

RT ELASTIC WAVES  
  FREQUENCIES  
  KARMAN VORTEX STREET  
  NOISE (SOUND)  
  SOUND WAVES  
  WIND (METEOROLOGY)

### AEOLOTROPISM

GS TROPISM  
  . **AEOLOTROPISM**  
RT ANISOTROPY

### AEPS

UF ADVANCED EVA PROTECTION SYSTEMS  
GS SUPPORT SYSTEMS  
  . LIFE SUPPORT SYSTEMS  
  . . EMERGENCY LIFE SUSTAINING SYSTEMS  
  . . . **AEPS**  
  . . . PORTABLE LIFE SUPPORT SYSTEMS  
  . . . **AEPS**  
RT COLUMBUS SPACE STATION  
  EXTRAVEHICULAR ACTIVITY  
  LUNAR BASES  
  MARS LANDING  
  OXYGEN SUPPLY EQUIPMENT  
  SPACE SHUTTLES  
  SPACE STATIONS  
  SURVIVAL EQUIPMENT

### AERATION

RT AGITATION  
  BENEFICIATION  
  BLOWING  
  BUBBLES  
  CORROSION PREVENTION  
  DEGASSING  
  DISSOLVED GASES  
  DISSOLVING  
  ENTRAINMENT  
  MIXERS  
  MIXING  
  OXYGENATION  
  PURIFICATION  
  . SEPARATION  
  . SPRAYING  
  . STIRRING  
  . SUSPENDING (MIXING)  
  . WATER TREATMENT

### AERIAL EXPLOSIONS

SN (LIMITED TO EXPLOSIONS OCCURRING AT HEIGHTS LESS THAN 50 KM)  
UF AIR BLASTS  
GS EXPLOSIONS  
  . **AERIAL EXPLOSIONS**  
RT BLAST LOADS  
  CHEMICAL EXPLOSIONS  
  NUCLEAR EXPLOSIONS  
  THERMONUCLEAR EXPLOSIONS

### AERIAL IMAGERY

USE AERIAL PHOTOGRAPHY

### AERIAL PHOTOGRAPHY

UF AERIAL IMAGERY  
GS IMAGERY  
  . **AERIAL PHOTOGRAPHY**  
    PHOTOGRAPHY  
  . **AERIAL PHOTOGRAPHY**  
RT ASTRONOMICAL PHOTOGRAPHY  
  CHANGE DETECTION  
  CLOUD PHOTOGRAPHS  
  CLOUD PHOTOGRAPHY  
  COLOR PHOTOGRAPHY  
  EARTH OBSERVATIONS (FROM SPACE)  
  EARTH RESOURCES SURVEY AIRCRAFT  
  FOREST FIRE DETECTION  
  GEOGRAPHIC INFORMATION SYSTEMS  
  GRAY SCALE  
  GROUND TRUTH  
  ICE MAPPING  
  IMAGE MOTION COMPENSATION  
  INFRARED PHOTOGRAPHY  
  ORTHOGRAPHY  
  PHOTO GEOLOGY  
  PHOTOGRAMMETRY  
  PHOTOINTERPRETATION  
  PHOTOMAPPING  
  PHOTOMAPS  
  PIXELS  
  PLANT STRESS  
  ROCKET-BORNE PHOTOGRAPHY  
  SATELLITE-BORNE PHOTOGRAPHY

### AERIAL PHOTOGRAPHY-(CONT.)

SEA TRUTH  
SPACEBORNE PHOTOGRAPHY  
STEREOPHOTOGRAPHY  
TIMBER INVENTORY  
ULTRAVIOLET PHOTOGRAPHY

### AERIAL RECONNAISSANCE

GS RECONNAISSANCE  
  . **AERIAL RECONNAISSANCE**  
  . . AIRBORNE INTEGRATED RECONNAISSANCE SYSTEM  
RT AEROMAGNETISM  
  CHANGE DETECTION  
  EARTH RESOURCES SURVEY AIRCRAFT  
  GROUND TRUTH  
  HS-801 AIRCRAFT  
  INFRARED RADIOMETERS  
  METEOROLOGICAL FLIGHT  
  PHOTORECONNAISSANCE  
  RECONNAISSANCE AIRCRAFT  
  RECONNAISSANCE SPACECRAFT  
  THERMAL MAPPING

### AERIAL RUDDERS

GS AIRFOILS  
  . **AERIAL RUDDERS**  
  CONTROL SURFACES  
  . RUDDERS  
  . . **AERIAL RUDDERS**  
RT FINS  
  HORIZONTAL TAIL SURFACES  
  MARINE RUDDERS  
  STABILIZERS (FLUID DYNAMICS)  
  TABS (CONTROL SURFACES)  
  TAIL ASSEMBLIES

### AEROACOUSTICS

GS ACOUSTICS  
  . **AEROACOUSTICS**  
RT AERODYNAMICS  
  . AERONAUTICS  
  . AIRCRAFT NOISE  
  . GRAZING FLOW  
  . NOISE PREDICTION (AIRCRAFT)  
  . SCIENCE  
  . SURFACE NOISE INTERACTIONS

### AEROASSIST

RT AEROBRAKING  
  AEROCAPTURE  
  AEROMANEUVERING  
  ATMOSPHERIC ENTRY  
  INTERPLANETARY TRANSFER ORBITS  
  TRANSFER ORBITS

### AEROBEE ROCKET VEHICLE

GS ROCKET VEHICLES  
  . SOUNDING ROCKETS  
  . . **AEROBEE ROCKET VEHICLE**

### AEROBES

RT ANAEROBES  
  BACTERIA  
  MICROORGANISMS  
  SEWAGE TREATMENT

### AEROBIOLOGY

RT AIR POLLUTION  
  AIRBORNE INFECTION  
  . BIOLOGY  
  . ENVIRONMENT POLLUTION  
  . POLLEN

### AEROBRAKING

RT AEROASSIST  
  AEROCAPTURE  
  AEROMANEUVERING  
  INTERPLANETARY TRANSFER ORBITS  
  TRANSFER ORBITS

### AEROCAPTURE

RT AEROASSIST  
  AEROBRAKING  
  AEROMANEUVERING  
  ATMOSPHERIC ENTRY  
  INTERPLANETARY TRANSFER ORBITS  
  TRANSFER ORBITS

### AERODONTALGIA

USE TOOTH DISEASES

### AERODYNAMIC AXIS

USE AERODYNAMIC BALANCE

## AERODYNAMIC BALANCE

### AERODYNAMIC BALANCE

UF AERODYNAMIC AXIS  
AERODYNAMIC CENTER  
DRAG BALANCE  
TRIM (BALANCE)  
GS AERODYNAMIC CHARACTERISTICS  
AERODYNAMIC BALANCE  
RT AIRCRAFT STABILITY  
BALANCE  
DYNAMIC CHARACTERISTICS  
HORIZONTAL FLIGHT  
LIFT DRAG RATIO  
MASS DISTRIBUTION  
SPACECRAFT MOTION  
SPACECRAFT STABILITY  
STATIC AERODYNAMIC  
CHARACTERISTICS  
TURNING FLIGHT

### AERODYNAMIC BRAKES

GS BRAKES (FOR ARRESTING MOTION)  
AERODYNAMIC BRAKES  
BALLUTES  
DRAG CHUTES  
PARAVULCOONS  
SPLIT FLAPS  
WING FLAPS  
LEADING EDGE FLAPS  
LEADING EDGE SLATS  
TRAILING EDGE FLAPS  
VORTEX FLAPS  
DRAG DEVICES  
AERODYNAMIC BRAKES  
BALLUTES  
DRAG CHUTES  
PARAVULCOONS  
SPLIT FLAPS  
WING FLAPS  
LEADING EDGE FLAPS  
LEADING EDGE SLATS  
TRAILING EDGE FLAPS  
VORTEX FLAPS  
RT AIRCRAFT BRAKES  
CONTROL SURFACES  
FLAPERONS  
FLAPS (CONTROL SURFACES)  
RETRACTABLE EQUIPMENT  
SPOILERS

### AERODYNAMIC BUZZ

USE FLUTTER

### AERODYNAMIC CENTER

USE AERODYNAMIC BALANCE

### AERODYNAMIC CHARACTERISTICS

GS AERODYNAMIC CHARACTERISTICS  
AERODYNAMIC BALANCE  
AERODYNAMIC DRAG  
SUPERSONIC DRAG  
AERODYNAMIC STABILITY  
INTERFERENCE DRAG  
LIFT  
INTERFERENCE LIFT  
JET LIFT  
ROTOR LIFT  
ZERO LIFT  
STATIC AERODYNAMIC  
CHARACTERISTICS  
RT AERODYNAMIC NOISE  
ANGLE OF ATTACK  
ASPECT RATIO  
CHARACTERISTICS  
CROSS FLOW  
DYNAMIC CHARACTERISTICS  
ENGINE AIRFRAME INTEGRATION  
FLIGHT ENVELOPES  
ROTOR BODY INTERACTIONS  
UNDER SURFACE BLOWING  
UNSTEADY AERODYNAMICS  
UPPER SURFACE BLOWING  
WIND TUNNEL TESTS

### AERODYNAMIC CHORDS

USE AIRFOIL PROFILES  
CHORDS (GEOMETRY)

### AERODYNAMIC COEFFICIENTS

UF LIFT COEFFICIENTS  
GS COEFFICIENTS  
AERODYNAMIC COEFFICIENTS  
RT DRAG COEFFICIENTS  
FLOW COEFFICIENTS  
FLOW DISTORTION  
FORCE DISTRIBUTION

### AERODYNAMIC COEFFICIENTS-(CONT.)

LIFT  
LIFT DRAG RATIO  
PITCHING MOMENTS  
PRESSURE DISTRIBUTION  
ROLLING MOMENTS  
YAWING MOMENTS

### AERODYNAMIC CONFIGURATIONS

SN (LIMITED TO AERODYNAMIC VEHICLE  
SHAPES--FOR LIFTING OR THRUSTING  
SURFACES USE AIRFOILS)  
GS AERODYNAMIC CONFIGURATIONS  
DROOPED AIRFOILS  
WAVERIDERS  
WING NACELLE CONFIGURATIONS  
RT AIRCRAFT CONFIGURATIONS  
AIRCRAFT DESIGN  
AIRFOILS  
BLUNT BODIES  
BODIES OF REVOLUTION  
BODY-WING AND TAIL CONFIGURATIONS  
BODY-WING CONFIGURATIONS  
CANARD CONFIGURATIONS  
CHANNEL WINGS  
CONES  
CONFIGURATIONS  
CONTROL SURFACES  
DESIGN  
DISKS (SHAPES)  
DRAG  
ENGINE AIRFRAME INTEGRATION  
FAIRINGS  
FINNED BODIES  
HALF CONES  
HEMISPHERES  
INTAKE SYSTEMS  
LAUNCH VEHICLE CONFIGURATIONS  
LIFT  
LIFTING BODIES  
MISSILE CONFIGURATIONS  
MONOPLANES  
NACELLES  
NOSE TIPS  
OBLIQUE WINGS  
PROPULSION SYSTEM CONFIGURATIONS  
PROTUBERANCES  
PYLON MOUNTING  
REYNOLDS EQUATION  
RING STRUCTURES  
ROTOR BODY INTERACTIONS  
SATELLITE CONFIGURATIONS  
SCALE MODELS  
SEMISPAN MODELS  
SLENDER BODIES  
SLENDER CONES  
SPACECRAFT CONFIGURATIONS  
SPHERES  
STRAKES  
STREAMLINED BODIES  
THREE DIMENSIONAL BODIES  
WEDGES  
WIND TUNNEL MODELS  
WING ROOTS

### AERODYNAMIC DRAG

GS AERODYNAMIC CHARACTERISTICS  
AERODYNAMIC DRAG  
SUPERSONIC DRAG  
AERODYNAMIC FORCES  
AERODYNAMIC DRAG  
SUPERSONIC DRAG  
DYNAMIC CHARACTERISTICS  
DRAG  
FRICTION DRAG  
AERODYNAMIC DRAG  
SUPERSONIC DRAG  
FRICTION  
FLOW RESISTANCE  
FRICTION DRAG  
AERODYNAMIC DRAG  
SUPERSONIC DRAG  
SKIN FRICTION  
FRICTION DRAG  
AERODYNAMIC DRAG  
SUPERSONIC DRAG  
RT BALLISTICS  
BASE PRESSURE  
DRAG COEFFICIENTS  
DRAG MEASUREMENT  
DRAG REDUCTION  
GROUND EFFECT (AERODYNAMICS)  
HYPERSONIC FORCES  
LIFT  
LIFT DRAG RATIO

### AERODYNAMIC DRAG-(CONT.)

ORBIT DECAY  
PRESSURE DRAG  
RESISTANCE  
SATELLITE DRAG  
TURBULENCE  
VORTEX FLAPS

### AERODYNAMIC FORCES

UF GLAUERT COEFFICIENT  
GS AERODYNAMIC FORCES  
AERODYNAMIC DRAG  
SUPERSONIC DRAG  
AERODYNAMIC INTERFERENCE  
AERODYNAMIC LOADS  
BLAST LOADS  
GUST LOADS  
HYPERSONIC FORCES  
LIFT  
INTERFERENCE LIFT  
JET LIFT  
ROTOR LIFT  
ZERO LIFT  
WING LOADING  
RT FORCE  
LEADING EDGE THRUST  
THRUST DISTRIBUTION  
UNSTEADY AERODYNAMICS

### AERODYNAMIC HEAT TRANSFER

GS TRANSMISSION  
HEAT TRANSMISSION  
HEAT TRANSFER  
AERODYNAMIC HEAT TRANSFER  
HYPERSONIC HEAT TRANSFER  
SUPERSONIC HEAT TRANSFER  
RT ABLATION  
AEROTHERMODYNAMICS  
TURBULENT HEAT TRANSFER

### AERODYNAMIC HEATING

GS HEATING  
KINETIC HEATING  
AERODYNAMIC HEATING  
SHOCK HEATING  
RT ABLATION  
AERODYNAMICS  
AEROTHERMOCHEMISTRY  
AEROTHERMODYNAMICS  
ATMOSPHERIC ENTRY  
BOUNDARY LAYER PLASMAS  
COMPRESSIBLE FLUIDS  
CONVECTIVE HEAT TRANSFER  
HYPERSONIC REENTRY  
REENTRY  
REENTRY EFFECTS  
REENTRY SHIELDING  
SKIN FRICTION  
SKIN TEMPERATURE (NON-BIOLOGICAL)  
TRANSIENT HEATING  
UNCONTROLLED REENTRY  
(SPACECRAFT)

### AERODYNAMIC INTERFERENCE

GS AERODYNAMIC FORCES  
AERODYNAMIC INTERFERENCE  
RT AERODYNAMICS  
AIR FLOW  
AIRCRAFT CONFIGURATIONS  
AIRCRAFT STRUCTURES  
AIRFOIL PROFILES  
CONTROL SURFACES  
INTERFERENCE  
PROTUBERANCES  
TURBULENT FLOW  
WING PROFILES

### AERODYNAMIC LIFT

USE LIFT

### AERODYNAMIC LOADS

GS AERODYNAMIC FORCES  
AERODYNAMIC LOADS  
BLAST LOADS  
GUST LOADS  
LOADS (FORCES)  
DYNAMIC LOADS  
AERODYNAMIC LOADS  
BLAST LOADS  
GUST LOADS  
RT AXIAL COMPRESSION LOADS  
AXIAL LOADS  
COMPRESSION LOADS  
CRITICAL LOADING  
EDGE LOADING

## AERONAUTICS

### AERODYNAMIC LOADS-(CONT.)

FORCE DISTRIBUTION  
LOADING MOMENTS  
PRESSURE DISTRIBUTION  
SHOCK LOADS  
STATIC LOADS  
STRUCTURAL DESIGN CRITERIA  
THRUST LOADS  
TRANSIENT LOADS  
VIBRATORY LOADS  
WING LOADING

### AERODYNAMIC MOMENTS

USE STABILITY DERIVATIVES

### AERODYNAMIC NOISE

UF BOUNDARY LAYER NOISE  
GS ELASTIC WAVES  
SOUND WAVES  
NOISE (SOUND)  
AERODYNAMIC NOISE  
BLADE SLAP NOISE  
RT ACOUSTIC RETROFITTING  
AERODYNAMIC CHARACTERISTICS  
AEROELASTICITY  
AIRCRAFT NOISE  
FLUTTER  
JET AIRCRAFT NOISE  
NOISE MEASUREMENT  
NOISE REDUCTION  
PANEL FLUTTER  
SHOCK WAVES  
SONIC BOOMS  
SURFACE NOISE INTERACTIONS

### AERODYNAMIC STABILITY

UF FLYING PLATFORM STABILITY  
GS AERODYNAMIC CHARACTERISTICS  
AERODYNAMIC STABILITY  
DYNAMIC CHARACTERISTICS  
DYNAMIC STABILITY  
MOTION STABILITY  
AERODYNAMIC STABILITY  
STABILITY  
DYNAMIC STABILITY  
MOTION STABILITY  
AERODYNAMIC STABILITY  
RT AEROELASTICITY  
AIRCRAFT STABILITY  
AIRFOIL OSCILLATIONS  
ATTITUDE STABILITY  
BALLAST (MASS)  
BOUNDARY LAYER STABILITY  
BUFFETING  
DIRECTIONAL STABILITY  
DYNAMIC TESTS  
FLIGHT ENVELOPES  
FLIGHT STABILITY TESTS  
FLOW STABILITY  
FLUTTER  
GROUND RESONANCE  
HELICOPTER PERFORMANCE  
HOVERING  
LATERAL STABILITY  
LIQUID SLOSHING  
LONGITUDINAL STABILITY  
LOW SPEED STABILITY  
MASS DISTRIBUTION  
PILOT INDUCED OSCILLATION  
PRESSURE DISTRIBUTION  
REENTRY  
RICHARDSON NUMBER  
SPACECRAFT MOTION  
SPACECRAFT STABILITY  
STABILITY AUGMENTATION  
STATIC AERODYNAMIC  
CHARACTERISTICS  
TURBULENCE EFFECTS  
UNSTEADY AERODYNAMICS  
VORTEX AVOIDANCE  
WIND TUNNEL STABILITY TESTS  
WING OSCILLATIONS  
YAW

### AERODYNAMIC STALLING

RT AIRCRAFT PERFORMANCE  
AIRCRAFT SPIN  
AIRSPEED  
ANGLE OF ATTACK  
BOUNDARY LAYER SEPARATION  
LIFT DRAG RATIO  
LOW SPEED STABILITY  
STALLING  
SWEEP ANGLE  
ZERO LIFT

### AERODYNAMIC VEHICLES

USE AIRCRAFT

### AERODYNAMICS

UF HYDROAEROMECHANICS  
GS FLUID MECHANICS  
FLUID DYNAMICS  
GAS DYNAMICS  
AERODYNAMICS  
AEROTHERMODYNAMICS  
HYPERSONICS  
ROTOR AERODYNAMICS  
SUPERSONICS  
UNSTEADY AERODYNAMICS  
RT AEROACOUSTICS  
AERODYNAMIC HEATING  
AERODYNAMIC INTERFERENCE  
AEROELASTICITY  
AERONAUTICAL ENGINEERING  
AERONAUTICS  
AEROSPACE SCIENCES  
AIRCRAFT  
AIRFOILS  
BLUNT BODIES  
BODIES OF REVOLUTION  
BOUNDARY LAYER CONTROL  
COMPRESSIBLE FLOW  
CONTROL SURFACES  
DRAG  
DYNAMICS  
FLIGHT  
FLIGHT CHARACTERISTICS  
FLIGHT MECHANICS  
FLOW  
FLOW THEORY  
FREE WING AIRCRAFT  
GROUND EFFECT (AERODYNAMICS)  
HYPERSONIC FLIGHT  
HYPERSONIC FLOW  
INCOMPRESSIBLE FLOW  
INVISCID FLOW  
LAMINAR FLOW  
LIFT  
MACH NUMBER  
MACH-ZEHNDER INTERFEROMETERS  
REENTRY  
SCIENCE  
SLENDER BODIES  
SUBSONIC FLOW  
SUPERSONIC FLOW  
THERMODYNAMICS  
TRANSONIC FLOW  
TURBULENT FLOW  
UNIFORM FLOW  
UNSTEADY FLOW  
VISCOUS FLOW  
WIND MEASUREMENT  
WIND TUNNELS

### AEROELASTIC RESEARCH WINGS

GS AIRFOILS  
WINGS

### AEROELASTIC RESEARCH WINGS

RT AIRCRAFT DESIGN  
FLUTTER  
FLUTTER ANALYSIS  
STRUCTURAL DESIGN  
WING OSCILLATIONS

### AEROELASTICITY

GS MECHANICAL PROPERTIES  
ELASTIC PROPERTIES  
AEROELASTICITY  
AEROTHERMOELASTICITY  
RT AERODYNAMIC NOISE  
AERODYNAMIC STABILITY  
AERODYNAMICS  
AEROTHERMODYNAMICS  
AIRCRAFT STRUCTURES  
AIRFOIL OSCILLATIONS  
DAST PROGRAM  
FLUTTER  
INFLUENCE COEFFICIENT  
PANEL FLUTTER  
RIGID WINGS  
THERMOELASTICITY  
UNSTEADY AERODYNAMICS  
WING LOADING

### AEROEMBOLISM

GS EMBOLISMS  
AEROEMBOLISM  
RT ALTITUDE SICKNESS  
DECOMPRESSION SICKNESS  
FAT EMBOLISMS

### AEROEMBOLISM-(CONT.)

STRESS (PHYSIOLOGY)

### AEROGYRO HELICOPTERS

USE XH-51 HELICOPTER

### AEROLOGY

GS METEOROLOGY  
AEROLOGY  
RT ATMOSPHERIC & OCEANOGRAPHIC  
INFORM SYS  
GLOBAL ATMOSPHERIC RESEARCH  
PROGRAM  
METEOROLOGICAL PARAMETERS  
POLAR METEOROLOGY  
SEA BREEZE  
WIND (METEOROLOGY)

### AEROMAGNETISM

RT AERIAL RECONNAISSANCE  
GEOMAGNETISM  
MAGNETIC ANOMALIES  
MAGNETIC SURVEYS  
MAGNETIC VARIATIONS  
REMOTE SENSING

### AEROMAGNETO FLUTTER

USE FLUTTER

### AEROMANEUVERING

RT AEROASSIST  
AEROBRAKING  
AEROCAPTURE  
ATMOSPHERIC ENTRY  
INTERPLANETARY TRANSFER ORBITS  
TRANSFER ORBITS

### AEROMANEUVERING ORBIT TO ORBIT SHUTTLE

UF AMOOS  
GS ORBIT TRANSFER VEHICLES  
AEROMANEUVERING ORBIT TO ORBIT  
SHUTTLE  
RT ORBIT MANEUVERING ENGINE (SPACE  
SHUTTLE)  
ORBITAL MECHANICS  
REUSABLE LAUNCH VEHICLES  
SPACE SHUTTLES

### AERONAUTICAL ENGINEERING

GS AEROSPACE ENGINEERING  
AERONAUTICAL ENGINEERING  
RT AERODYNAMICS  
AERONAUTICS  
AIRCRAFT  
AIRCRAFT DESIGN  
AIRCRAFT INDUSTRY  
AUXILIARY PROPULSION  
COMPOUND HELICOPTERS  
ENGINEERING  
FUNCTIONAL DESIGN SPECIFICATIONS  
MECHANICAL ENGINEERING  
PROPULSION  
STRUCTURAL ENGINEERING

### AERONAUTICAL SATELLITES

GS ARTIFICIAL SATELLITES  
COMMUNICATION SATELLITES  
AERONAUTICAL SATELLITES  
AEROSAT SATELLITES  
RT AERONAUTICS  
AIR TRAFFIC CONTROL  
AIRCRAFT APPROACH SPACING  
AIRCRAFT COMMUNICATION  
GROUND-AIR-GROUND COMMUNICATION  
RESCUE OPERATIONS  
SATELLITE NETWORKS

### AERONAUTICS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
UF AVIATION  
RT AEROACOUSTICS  
AERODYNAMICS  
AERONAUTICAL ENGINEERING  
AERONAUTICAL SATELLITES  
AEROSPACE ENGINEERING  
AEROSPACE SCIENCES  
AIR LAW  
AIRCRAFT  
AIRPORTS  
AVIONICS  
CIVIL AVIATION  
FLIGHT

## AERONOMY

### AERONAUTICS-(CONT.)

GENERAL AVIATION AIRCRAFT  
HUMAN FACTORS ENGINEERING  
∞ MILITARY AVIATION  
∞ SCIENCE  
TACT PROGRAM

### AERONOMY

RT AIRGLOW  
ALPINE METEOROLOGY  
ATMOSPHERIC COMPOSITION  
ATMOSPHERIC PHYSICS  
AURORAS  
DIAL SATELLITE  
GEOPHYSICS  
MAGNETOSPHERE-IONOSPHERE  
COUPLING  
MESOMETEOROLOGY  
METEOROLOGY  
POLAR CUSPS  
UPPER ATMOSPHERE

### AEROPHYSICS

USE ATMOSPHERIC PHYSICS

### AEROQUATIC VEHICLES

RT AIRCRAFT DESIGN  
ATTACK AIRCRAFT  
∞ MILITARY VEHICLES  
UNDERWATER PROPULSION  
UNDERWATER VEHICLES

### AEROS SATELLITE

GS ARTIFICIAL SATELLITES  
METEOROLOGICAL SATELLITES  
AEROS SATELLITE  
SYNCHRONOUS SATELLITES  
AEROS SATELLITE

### AEROSAT SATELLITES

GS ARTIFICIAL SATELLITES  
COMMUNICATION SATELLITES  
AERONAUTICAL SATELLITES  
AEROSAT SATELLITES  
ESA SATELLITES  
AEROSAT SATELLITES  
NAVIGATION SATELLITES  
AEROSAT SATELLITES  
SYNCHRONOUS SATELLITES  
AEROSAT SATELLITES  
ESA SPACECRAFT  
ESA SATELLITES  
AEROSAT SATELLITES  
RT EUROPEAN SPACE PROGRAMS  
SATELLITE NETWORKS

### AEROSINUSITIS

GS DISEASES  
RESPIRATORY DISEASES  
AEROSINUSITIS  
RT ALTITUDE SICKNESS

### AEROSOLS

GS MIXTURES  
DISPERSIONS  
COLLOIDS  
AEROSOLS  
FOG  
LIQUID-GAS MIXTURES  
AEROSOLS  
FOG  
PARTICLES  
AEROSOLS  
FOG  
RT AIR POLLUTION  
AITKEN NUCLEI  
ATMOSPHERIC EFFECTS  
ATOMIZING  
CONDENSATION NUCLEI  
CROP DUSTING  
DUST  
ENTRAINMENT  
ENVIRONMENT POLLUTION  
ENVIRONMENTAL SURVEYS  
EXHAUST CLOUDS  
FOG DISPERSAL  
FUMES  
GAS ATOMIZATION  
MIST  
MIXERS  
PARTICULATES  
PHOTOPHORESIS  
POLLUTION TRANSPORT  
SAGE SATELLITE

### AEROSOLS-(CONT.)

SMOKE  
SMOKE ABATEMENT  
SPRAYING  
THERMOPHORESIS

### AEROSPACE ENGINEERING

UF SPACE SYSTEMS ENGINEERING  
GS AEROSPACE ENGINEERING  
AERONAUTICAL ENGINEERING  
RT ∞ AERONAUTICS  
∞ AEROSPACE SCIENCES  
∞ AIRCRAFT  
∞ ENGINEERING  
MECHANICAL ENGINEERING  
MISSILE DESIGN  
STRUCTURAL ENGINEERING

### AEROSPACE ENVIRONMENTS

SN (EXCLUDES SPACECRAFT  
INTERVEHICULAR ENVIRONMENTS)  
UF SPACE ENVIRONMENT  
GS ENVIRONMENTS  
AEROSPACE ENVIRONMENTS  
CISLUNAR SPACE  
DEEP SPACE  
INTERPLANETARY SPACE  
INTERSTELLAR SPACE  
EARTH ORBITAL ENVIRONMENTS  
RT ∞ AEROSPACE SCIENCES  
ARGON-OXYGEN ATMOSPHERES  
∞ ASTRONAUTICS  
BIOASTRONAUTICS  
BIOPROCESSING  
BIOSATELLITES  
COSMIC RAYS  
EARTH ATMOSPHERE  
ELECTROMAGNETIC RADIATION  
EXO BIOLOGY  
EXTRATERRESTRIAL ENVIRONMENTS  
EXTRATERRESTRIAL LIFE  
EXTRATERRESTRIAL RADIATION  
EXTRA VEHICULAR ACTIVITY  
GEOPHYSICAL FLUID FLOW CELLS  
HAZARDOUS MATERIAL DISPOSAL (IN  
SPACE)  
HELIUM-OXYGEN ATMOSPHERES  
JUPITER ATMOSPHERE  
LIFE SUPPORT SYSTEMS  
LUNAR ENVIRONMENT  
MANNED SPACE FLIGHT  
MARS ATMOSPHERE  
NEPTUNE ATMOSPHERE  
PANSPERMIA  
PLANETARY ENVIRONMENTS  
RADIATION BELTS  
SOLAR RADIATION  
SPACE EXPLORATION  
SPACE FLIGHT  
SPACE HABITATS  
SPACE MANUFACTURING  
SPACEBORNE EXPERIMENTS  
SPACECRAFT CABIN SIMULATORS  
THERMAL ENVIRONMENTS  
URANUS ATMOSPHERE  
VACUUM  
VENUS ATMOSPHERE

### AEROSPACE INDUSTRY

GS INDUSTRIES  
AEROSPACE INDUSTRY  
AIRCRAFT INDUSTRY  
RT ∞ AIRCRAFT  
COMMERCIAL SPACECRAFT  
SPACE COMMERCIALIZATION

### AEROSPACE MEDICINE

GS AEROSPACE MEDICINE  
AVIATION PSYCHOLOGY  
SPACE PSYCHOLOGY  
RT ACCELERATION STRESSES  
(PHYSIOLOGY)  
AEROSINUSITIS  
∞ AEROSPACE SCIENCES  
ALTITUDE SICKNESS  
BIOASTRONAUTICS  
BIOFEEDBACK  
∞ BIOLOGY  
BIOMEDICAL DATA  
CHLORELLA  
CLOSED ECOLOGICAL SYSTEMS  
ELECTROLYTE METABOLISM  
FASTING  
FLIGHT FATIGUE  
GRAVITATIONAL PHYSIOLOGY

### AEROSPACE MEDICINE-(CONT.)

HEAD DOWN TILT  
HEAD MOVEMENT  
MEDICAL SCIENCE  
∞ MEDICINE  
MOBILE QUARANTINE FACILITY  
MOTION SICKNESS  
RADIOLOGY  
∞ SCIENCE  
SPACE ADAPTATION SYNDROME  
SPACECRAFT ENVIRONMENTS  
SPORTS MEDICINE  
WEIGHTLESSNESS

### AEROSPACE PLANES

GS AEROSPACE VEHICLES  
AEROSPACE PLANES  
HOTEL LAUNCH VEHICLE  
X-30 VEHICLE  
MANEUVERABLE SPACECRAFT  
AEROSPACE PLANES  
HOTEL LAUNCH VEHICLE  
X-30 VEHICLE  
MANNED SPACECRAFT  
AEROSPACE PLANES  
HOTEL LAUNCH VEHICLE  
X-30 VEHICLE  
REENTRY VEHICLES  
RECOVERABLE SPACECRAFT  
REUSABLE SPACECRAFT  
AEROSPACE PLANES  
HOTEL LAUNCH VEHICLE  
X-30 VEHICLE  
SOFT LANDING SPACECRAFT  
AEROSPACE PLANES  
HOTEL LAUNCH VEHICLE  
X-30 VEHICLE  
RT ∞ AIRCRAFT  
ASTRO VEHICLE  
BOOSTGLIDE VEHICLES  
GLIDERS  
HYPERSONIC AIRCRAFT  
HYPERSONIC GLIDERS  
LAUNCH VEHICLES  
LIFTING REENTRY VEHICLES  
LIQUID AIR CYCLE ENGINES  
MILITARY SPACECRAFT  
NATIONAL AEROSPACE PLANE  
PROGRAM  
RESEARCH AIRCRAFT  
ROCKET PLANES  
TRANSATMOSPHERIC VEHICLES  
X-20 AIRCRAFT

### AEROSPACE SAFETY

GS SAFETY  
AEROSPACE SAFETY  
RT ACCIDENT PREVENTION  
AIRCRAFT SAFETY  
FLIGHT SAFETY  
RANGE SAFETY  
SAFETY FACTORS  
SAFETY MANAGEMENT

### ∞ AEROSPACE SCIENCES

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
UF SPACE SCIENCES  
RT AERODYNAMICS  
∞ AERONAUTICS  
AEROSPACE ENGINEERING  
AEROSPACE ENVIRONMENTS  
AEROSPACE MEDICINE  
AEROSPACE SYSTEMS  
ASTRONOMY  
COMMITTEE ON SPACE RESEARCH  
ENVIRONMENTAL ENGINEERING  
EXTRATERRESTRIAL RADIATION  
SPACE LABORATORIES

### AEROSPACE SYSTEMS

RT ∞ AEROSPACE SCIENCES  
CONTROL SYSTEMS DESIGN  
MISSILE SYSTEMS  
∞ SYSTEMS  
SYSTEMS ENGINEERING

### AEROSPACE TECHNOLOGY TRANSFER

GS TECHNOLOGY TRANSFER  
AEROSPACE TECHNOLOGY TRANSFER  
RT CANADIAN SPACE PROGRAM  
INFORMATION FLOW  
REPORTS  
TECHNOLOGICAL FORECASTING

# **AEROSPACE TECHNOLOGY TRANSFER-(CONT.)** TECHNOLOGY UTILIZATION

## **AEROSPACE VEHICLES**

GS **AEROSPACE VEHICLES**  
 . AEROSPACE PLANES  
 . . . HOTOL LAUNCH VEHICLE  
 . . . X-30 VEHICLE  
 . . . FLEXIBLE SPACECRAFT  
 RT  $\infty$  AIRCRAFT  
 . COMMERCIAL SPACECRAFT  
 $\infty$  SPACECRAFT  
 . TRANSATMOSPHERIC VEHICLES

## **AEROSTATICS**

GS STATICS  
 . **AEROSTATICS**  
 RT BUOYANCY  
 $\infty$  DYNAMICS  
 $\infty$  EQUILIBRIUM  
 . FLUID MECHANICS  
 . HYDROSTATICS

## **AEROSTATS**

USE AIRSHIPS

## **AEROTHERMOCHEMISTRY**

GS ENVIRONMENTAL CHEMISTRY  
 . **AEROTHERMOCHEMISTRY**  
 THERMOCHEMISTRY  
 . **AEROTHERMOCHEMISTRY**  
 RT ABLATION  
 . AERODYNAMIC HEATING  
 . AEROTHERMODYNAMICS  
 . ATMOSPHERIC CHEMISTRY  
 . CHEMICAL ENGINEERING  
 $\infty$  CHEMISTRY  
 . NOZZLE FLOW  
 . PHYSICAL CHEMISTRY  
 . PYROMETALLURGY  
 . REENTRY PHYSICS  
 . REENTRY SHIELDING  
 . REENTRY VEHICLES

## **AEROTHERMODYNAMICS**

GS FLUID MECHANICS  
 . FLUID DYNAMICS  
 . . . GAS DYNAMICS  
 . . . . AERODYNAMICS  
 . . . . **AEROTHERMODYNAMICS**  
 THERMODYNAMICS  
 . **AEROTHERMODYNAMICS**  
 RT AERODYNAMIC HEAT TRANSFER  
 . AERODYNAMIC HEATING  
 . AEROELASTICITY  
 . AEROTHERMOCHEMISTRY  
 . ASSET PROJECT  
 . BOUNDARY LAYER PLASMAS  
 $\infty$  CHEMISTRY  
 . COMBUSTION PHYSICS  
 $\infty$  DYNAMICS  
 . HYPERSONIC HEAT TRANSFER  
 . HYPERSONIC REENTRY  
 . HYPERSONICS  
 . RANKINE-HUGONIOT RELATION  
 . REENTRY  
 . REENTRY PHYSICS  
 $\infty$  SCIENCE  
 . SKIN TEMPERATURE (NON-BIOLOGICAL)  
 . SUPERSONICS  
 . THERMOELASTICITY

## **AEROTHERMOELASTICITY**

GS MECHANICAL PROPERTIES  
 . ELASTIC PROPERTIES  
 . . . AEROELASTICITY  
 . . . . **AEROTHERMOELASTICITY**  
 . . . . THERMOELASTICITY  
 . . . . **AEROTHERMOELASTICITY**

## **AEROZINE**

GS FUELS  
 . MONOPROPELLANTS  
 . . **AEROZINE**  
 . PROPELLANTS  
 . . . ROCKET PROPELLANTS  
 . . . LIQUID ROCKET PROPELLANTS  
 . . . . MONOPROPELLANTS  
 . . . . **AEROZINE**  
 RT DIMETHYLHYDRAZINES  
 . HYDRAZINES

## **AFC (CONTROL)**

USE AUTOMATIC FREQUENCY CONTROL

## **AFCS (CONTROL SYSTEM)**

USE AUTOMATIC FLIGHT CONTROL

## **AFFECTS**

USE EFFECTS

## **AFFERENT NERVOUS SYSTEMS**

GS ANATOMY  
 . NERVOUS SYSTEM  
 . . **AFFERENT NERVOUS SYSTEMS**  
 RT SENSORIMOTOR PERFORMANCE  
 $\infty$  SYSTEMS

## **AFFINITY**

GS **AFFINITY**  
 . ELECTRON AFFINITY  
 . . NEGATIVE ELECTRON AFFINITY  
 RT ATTRACTION  
 . COMPATIBILITY

## **AFGHANISTAN**

GS NATIONS  
 . **AFGHANISTAN**  
 RT ASIA

## **AFRICA**

GS CONTINENTS  
 . **AFRICA**  
 RT AFRICAN RIFT SYSTEM  
 . ALGERIA  
 . ANGOLA  
 . ARCOMSAT  
 . BENIN  
 . BOTSWANA  
 . BURKINA  
 . BURUNDI  
 . CAMEROON  
 . CAPE VERDE  
 . CENTRAL AFRICAN REPUBLIC  
 . CHAD  
 . CONGO (BRAZZAVILLE)  
 . EGYPT  
 . ETHIOPIA  
 . GABON  
 . GAMBIA  
 . GHANA  
 . GUINEA  
 . IVORY COAST  
 . KALAHARI BASIN (AFRICA)  
 . KENYA  
 . LESOTHO  
 . LIBERIA  
 . LIBYA  
 . LIBYAN DESERT  
 . MALAGASY REPUBLIC  
 . MALAWI  
 . MALI  
 . MAURITANIA  
 . MOROCCO  
 . MOZAMBIQUE  
 . NAMIBIA  
 . NATIONS  
 . NIGER  
 . NIGERIA  
 . RED SEA  
 . REPUBLIC OF SOUTH AFRICA  
 . RWANDA  
 . SAHARA DESERT (AFRICA)  
 . SENEGAL  
 . SIERRA LEONE  
 . SOMALIA  
 . SPANISH SAHARA  
 . SUDAN  
 . SWAZILAND  
 . TANZANIA  
 . TOGO  
 . TUNISIA  
 . UGANDA  
 . ZAIRE  
 . ZAMBIA  
 . ZIMBABWE

## **AFRICAN RIFT SYSTEM**

GS GEOLOGICAL FAULTS  
 . **AFRICAN RIFT SYSTEM**  
 RT AFRICA  
 $\infty$  SYSTEMS

## **AFTERBODIES**

UF CYLINDRICAL AFTERBODIES  
 . STERNS  
 RT AIRCRAFT STRUCTURES  
 . BASE HEATING  
 . BOATTAILS  
 $\infty$  BODIES

## **AGENA B ROCKET VEHICLE**

## **AFTERBODIES-(CONT.)**

CENTERBODIES  
 CONICAL BODIES  
 CYLINDRICAL BODIES  
 FLARED BODIES  
 FOREBODIES  
 SKIRTS  
 SWING TAIL ASSEMBLIES  
 TAIL ASSEMBLIES

## **AFTERBURNERS**

USE AFTERBURNING

## **AFTERBURNING**

UF AFTERBURNERS  
 GS COMBUSTION  
 . **AFTERBURNING**  
 RT BURNERS  
 . EXHAUST SYSTEMS  
 . INFRARED SUPPRESSION  
 . INTERNAL COMBUSTION ENGINES  
 . J-57 ENGINE  
 . J-57-P-20 ENGINE  
 . JET ENGINES  
 . THRUST AUGMENTATION

## **AFTERGLOWS**

GS **AFTERGLOWS**  
 . HELIUM AFTERGLOW  
 . OXYGEN AFTERGLOW  
 RT ATMOSPHERIC IONIZATION  
 . GAS DISCHARGES  
 . GAS IONIZATION  
 . LIGHT SCATTERING  
 . LUMINESCENCE  
 . PHOSPHORESCENCE  
 . PLASMA DECAY

## **AFTERIMAGES**

GS IMAGES  
 . **AFTERIMAGES**  
 RT CRITICAL FLICKER FUSION  
 . ILLUSIONS  
 . PSYCHOLOGICAL EFFECTS  
 . SENSORY PERCEPTION  
 . VISUAL PERCEPTION

## **AGB STARS**

USE ASYMPTOTIC GIANT BRANCH STARS

## **AGC (CONTROL)**

USE AUTOMATIC GAIN CONTROL

## **AGE DETERMINATION**

USE CHRONOLOGY

## **AGE FACTOR**

RT AGING (BIOLOGY)  
 . GERONTOLOGY  
 . LIFE SPAN

## **AGE HARDENING**

USE PRECIPITATION HARDENING

## **AGENA A ROCKET VEHICLE**

GS ROCKET VEHICLES  
 . SINGLE STAGE ROCKET VEHICLES  
 . . . AGENA ROCKET VEHICLES  
 . . . **AGENA A ROCKET VEHICLE**  
 RT DISCOVERER SATELLITES  
 . THOR AGENA LAUNCH VEHICLE

## **AGENA B RANGER PROGRAM**

GS PROGRAMS  
 . NASA PROGRAMS  
 . . NASA SPACE PROGRAMS  
 . . . RANGER PROJECT  
 . . . . **AGENA B RANGER PROGRAM**  
 . . . . PROJECTS  
 . . . . RANGER PROJECT  
 . . . . **AGENA B RANGER PROGRAM**  
 . . . . SPACE PROGRAMS  
 . . . . NASA SPACE PROGRAMS  
 . . . . RANGER PROJECT  
 . . . . **AGENA B RANGER PROGRAM**  
 RT THOR AGENA LAUNCH VEHICLE

## **AGENA B ROCKET VEHICLE**

GS ROCKET VEHICLES  
 . SINGLE STAGE ROCKET VEHICLES  
 . . AGENA ROCKET VEHICLES  
 . . . **AGENA B ROCKET VEHICLE**  
 RT DISCOVERER SATELLITES  
 . ECHO SATELLITES

## AGENA C ROCKET VEHICLE

### AGENA B ROCKET VEHICLE-(CONT.)

EGO  
GEMINI PROJECT  
MARINER PROGRAM  
OAO  
POGO  
RANGER PROJECT

### AGENA C ROCKET VEHICLE

GS ROCKET VEHICLES  
. SINGLE STAGE ROCKET VEHICLES  
. . . AGENA ROCKET VEHICLES  
. . . . AGENA C ROCKET VEHICLE

### AGENA D ROCKET VEHICLE

GS ROCKET VEHICLES  
. SINGLE STAGE ROCKET VEHICLES  
. . . AGENA ROCKET VEHICLES  
. . . . AGENA D ROCKET VEHICLE

### AGENA ROCKET VEHICLES

GS ROCKET VEHICLES  
. SINGLE STAGE ROCKET VEHICLES  
. . . AGENA ROCKET VEHICLES  
. . . . AGENA A ROCKET VEHICLE  
. . . . AGENA B ROCKET VEHICLE  
. . . . AGENA C ROCKET VEHICLE  
. . . . AGENA D ROCKET VEHICLE  
RT ATLAS AGENA B LAUNCH VEHICLE  
ATLAS AGENA LAUNCH VEHICLES  
DISCOVERER SATELLITES  
ECHO SATELLITES  
GEMINI PROJECT  
MARINER PROGRAM  
RANGER PROJECT  
THOR AGENA LAUNCH VEHICLE

### AGENTS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT ACCELERATING AGENTS  
ADDITIVES  
ANTICOAGULANTS  
ANTIFOULING  
ANTIOXIDANTS  
DILUENTS  
NEUTRALIZERS  
OPACIFIERS  
OXIDIZERS  
PENETRANTS  
PRESERVATIVES  
STABILIZERS (AGENTS)  
SURFACTANTS

### AGGLOMERATION

RT ACCUMULATIONS  
CEMENTATION  
CLUMPS  
COAGULATION  
COALESCING  
COMPACTING  
CONCENTRATING  
CRYSTALLIZATION  
DENSIFICATION  
FLOCCULATING  
GALACTIC CLUSTERS  
LUMPING  
PLUGGING  
PRECIPITATION (CHEMISTRY)  
SEPARATION  
SETTLING  
SINTERING  
VIRGO GALACTIC CLUSTER

### AGGLUTINATION

GS BONDING  
. AGGLUTINATION  
RT ADHESION  
ADHESIVE BONDING  
ADHESIVES  
CEMENTATION  
CHEMICAL BONDS  
COHESION

### AGGREGATES

RT CONCRETE STRUCTURES  
CONCRETES  
CONSTRUCTION MATERIALS  
DOLOMITE (MINERAL)  
GRAVELS  
LAVA  
LIMESTONE  
ROCKS  
SANDS

### AGGREGATES-(CONT.)

SLAGS

### AGING

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT AGING (BIOLOGY)  
AGING (MATERIALS)  
AGING (METALLURGY)  
RADIOACTIVE AGE DETERMINATION

### AGING (BIOLOGY)

RT AGE FACTOR  
AGING  
BIOLOGY  
GERIATRICS  
GERONTOLOGY  
LIFE SCIENCES  
LIFE SPAN  
MORTALITY

### AGING (MATERIALS)

GS AGING (MATERIALS)  
. AGING (METALLURGY)  
RT AGING  
HARDENING (MATERIALS)  
MATERIALS  
MECHANICAL PROPERTIES  
MICROSTRUCTURE  
STRAIN HARDENING

### AGING (METALLURGY)

GS AGING (MATERIALS)  
. AGING (METALLURGY)  
RT AGING  
HARDENING (MATERIALS)  
HEAT TREATMENT  
MICROSTRUCTURE  
SOLID SOLUTIONS  
STRAIN HARDENING  
SUPERCOOLING  
TIME TEMPERATURE PARAMETER

### AGITATION

GS AGITATION  
. ULTRASONIC AGITATION  
RT AERATION  
BLOWING  
CHEMICAL REACTION CONTROL  
COALESCING  
COLLOIDING  
DISPERSING  
DISPOSAL  
HOMOGENIZING  
MIXERS  
MIXING  
SEPARATION  
SETTLING  
SHAKING  
SIZING SCREENS  
SPLASHING  
SUSPENDING (MIXING)  
SWIRLING  
TURBULENT MIXING  
VORTICES  
WATER TREATMENT

### AGREEMENTS

RT CONTRACTS  
CONVENTIONS  
INSURANCE (CONTRACTS)  
SUBCONTRACTS

### AGRICULTURAL AIRCRAFT

GS GENERAL AVIATION AIRCRAFT  
. AGRICULTURAL AIRCRAFT  
RT AGRICULTURE  
AIRCRAFT  
CROP DUSTING  
LIGHT AIRCRAFT  
SWATH WIDTH

### AGRICULTURE

RT AGRICULTURAL AIRCRAFT  
AGRISTARS PROJECT  
AGROCLIMATOLOGY  
AGROMETEOROLOGY  
AGROPHYSICAL UNITS  
ALFALFA  
BARLEY  
BIOLOGY  
BOTANY  
CITRUS TREES  
CONSERVATION

### AGRICULTURE-(CONT.)

CORN  
CROP DUSTING  
CROP GROWTH  
CROP IDENTIFICATION  
CROP INVENTORIES  
CROP VIGOR  
CROPS  
FARM CROPS  
FARMLANDS  
FRUITS  
GRASSLANDS  
GREAT PLAINS CORRIDOR (NORTH  
AMERICA)  
HALOPHILES  
HAY  
HYDROCARBON FUEL PRODUCTION  
HYDROPONICS  
IRRIGATION  
LARGE AREA CROP INVENTORY  
EXPERIMENT  
LEGUMINOUS PLANTS  
OATS  
ORCHARDS  
PLANT DISEASES  
PLANT STRESS  
PLANTING  
PLANTS (BOTANY)  
PLOWING  
PLOWS  
RURAL AREAS  
RURAL LAND USE  
SILVICULTURE  
SOIL SCIENCE  
SORGHUM  
SUGAR BEETS  
SUGAR CANE  
SUNFLOWERS  
TRACTORS  
VEGETATION GROWTH  
VINEYARDS

### AGRISTARS PROJECT

UF CROP INVENTORIES BY REMOTE  
SENSING  
GS PROGRAMS  
. PROJECTS  
RT AGRISTARS PROJECT  
AGRICULTURE  
AGROPHYSICAL UNITS  
CROP INVENTORIES  
FARM CROPS  
FRESH WATER  
LAND USE  
LANDSAT SATELLITES  
METEOROLOGICAL SATELLITES  
NASA PROGRAMS  
REMOTE SENSORS  
VEGETATIVE INDEX

### AGROCLIMATOLOGY

GS CLIMATOLOGY  
. AGROCLIMATOLOGY  
RT AGRICULTURE  
AGROMETEOROLOGY  
HYDROCLIMATOLOGY  
METEOROLOGICAL PARAMETERS  
METEOROLOGY  
MICROCLIMATOLOGY

### AGROMETEOROLOGY

GS METEOROLOGY  
. AGROMETEOROLOGY  
RT AGRICULTURE  
AGROCLIMATOLOGY  
HYDROMETEOROLOGY  
MICROMETEOROLOGY  
THERMAL RESOURCES  
TROPICAL METEOROLOGY

### AGROPHYSICAL UNITS

RT AGRICULTURE  
AGRISTARS PROJECT  
FARMLANDS  
LARGE AREA CROP INVENTORY  
EXPERIMENT

### AGT

USE AUTOMATED GUIDEWAY TRANSIT  
VEHICLES

### AH-1G HELICOPTER

GS V/STOL AIRCRAFT  
. ROTARY WING AIRCRAFT  
. . . HELICOPTERS

## AIR DATA SYSTEMS

### AH-1G HELICOPTER-(CONT.)

... MILITARY HELICOPTERS  
... **AH-1G HELICOPTER**  
RT ∞ MILITARY AIRCRAFT  
TERRAIN FOLLOWING AIRCRAFT

### AH-63 HELICOPTER

GS ATTACK AIRCRAFT  
... **AH-63 HELICOPTER**  
BELL AIRCRAFT  
... **AH-63 HELICOPTER**  
RT ∞ MILITARY AIRCRAFT  
TERRAIN FOLLOWING AIRCRAFT

### AH-64 HELICOPTER

GS ATTACK AIRCRAFT  
... **AH-64 HELICOPTER**  
HUGHES AIRCRAFT  
... **AH-64 HELICOPTER**  
V/STOL AIRCRAFT  
... ROTARY WING AIRCRAFT  
... HELICOPTERS  
... MILITARY HELICOPTERS  
... **AH-64 HELICOPTER**  
RT ∞ MILITARY AIRCRAFT  
TERRAIN FOLLOWING AIRCRAFT

### ∞ AIDS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT LANDING AIDS  
NAVIGATION AIDS  
VISUAL AIDS

### AILERONS

GS AIRFOILS  
... **AILERONS**  
... FLAPERONS  
... SPOILER SLOT AILERONS  
CONTROL SURFACES  
... **AILERONS**  
... FLAPERONS  
... SPOILER SLOT AILERONS  
RT ELEVATORS (CONTROL SURFACES)  
ELEVONS  
LATERAL CONTROL  
TABS (CONTROL SURFACES)

### AIMP-D

USE EXPLORER 33 SATELLITE

### AIMP-E

USE EXPLORER 35 SATELLITE

### AIMP-1

USE EXPLORER 33 SATELLITE

### AIMP-2

USE EXPLORER 35 SATELLITE

### AIR

GS GASES  
... GAS MIXTURES  
... **AIR**  
... ALVEOLAR AIR  
... COMPRESSED AIR  
... EXPIRED AIR  
... HIGH TEMPERATURE AIR  
... LIQUID AIR  
MIXTURES  
... SOLUTIONS  
... GAS MIXTURES  
... **AIR**  
... ALVEOLAR AIR  
... COMPRESSED AIR  
... EXPIRED AIR  
... HIGH TEMPERATURE AIR  
... LIQUID AIR  
RT AIR DATA SYSTEMS  
∞ ATMOSPHERES  
ATMOSPHERIC COMPOSITION  
EARTH ATMOSPHERE  
ENVIRONMENTS  
MIDDLE ATMOSPHERE

### AIR BAG RESTRAINT DEVICES

GS BAGS  
... **AIR BAG RESTRAINT DEVICES**  
EXPANDABLE STRUCTURES  
INFLATABLE STRUCTURES  
... **AIR BAG RESTRAINT DEVICES**  
SAFETY DEVICES  
... **AIR BAG RESTRAINT DEVICES**

### AIR BAG RESTRAINT DEVICES-(CONT.)

RT ACCIDENT PREVENTION  
ACCIDENTS  
AUTOMOBILES  
COLLISIONS  
CRASHES  
∞ DEVICES  
HIGHWAYS  
PNEUMATIC EQUIPMENT  
SAFETY

### AIR BEARINGS

USE GAS BEARINGS

### AIR BLASTS

USE AERIAL EXPLOSIONS

### AIR BREATHING BOOSTERS

RT AIR BREATHING ENGINES  
BOOSTER ROCKET ENGINES  
∞ BOOSTERS

### AIR BREATHING ENGINES

GS ENGINES  
... **AIR BREATHING ENGINES**  
... GAS TURBINE ENGINES  
... JET ENGINES  
... RAMJET ENGINES  
... INTEGRAL ROCKET RAMJETS  
... LOW VOLUME RAMJET ENGINES  
... PULSEJET ENGINES  
... SUPERSONIC COMBUSTION  
RAMJET ENGINES  
... TURBORAMJET ENGINES  
... TURBOJET ENGINES  
... BRISTOL-SIDDELEY OLYMPUS  
593 ENGINE  
... BRISTOL-SIDDELEY VIPER  
ENGINE  
... DUCTED FAN ENGINES  
... J-33 ENGINE  
... J-34 ENGINE  
... J-47 ENGINE  
... J-57 ENGINE  
... J-57-P-20 ENGINE  
... J-65 ENGINE  
... J-69-T-25 ENGINE  
... J-71 ENGINE  
... J-73 ENGINE  
... J-75 ENGINE  
... J-79 ENGINE  
... J-85 ENGINE  
... J-93 ENGINE  
... RA-28 ENGINE  
... TURBOFAN ENGINES  
... BRISTOL-SIDDELEY BS 53  
ENGINE  
... CF-700 ENGINE  
... J-97 ENGINE  
... TF-41 ENGINE  
... TURBOPROP ENGINES  
... T-53 ENGINE  
... T-56 ENGINE  
... T-64 ENGINE  
... T-74 ENGINE  
... TURBORAMJET ENGINES  
... T-58-GE-8B ENGINE  
RT AIR BREATHING BOOSTERS

### AIR CARGO

UF AIR FREIGHT  
GS CARGO  
... **AIR CARGO**  
... AIR MAIL  
RT AIRDROPS  
AIRFIELD SURFACE MOVEMENTS  
AIRLINE OPERATIONS  
BAGGAGE  
CARGO AIRCRAFT  
GROUND HANDLING  
HEAVY LIFT HELICOPTERS

### AIR CONDITIONING

RT BLOWERS  
COMFORT  
CONDENSERS (LIQUEFIERS)  
CONTROLLED ATMOSPHERES  
COOLANTS  
COOLERS  
COOLING  
COOLING SYSTEMS  
∞ DIFFUSERS  
EXHAUST SYSTEMS  
FREON  
HEAT PUMPS

### AIR CONDITIONING-(CONT.)

HEATING  
HEATING EQUIPMENT  
HUMIDITY  
INFILTRATION  
LIFE SUPPORT SYSTEMS  
MODULAR INTEGRATED UTILITY SYSTEM  
REFRIGERANTS  
REFRIGERATING  
REFRIGERATING MACHINERY  
SPACE HEATING (BUILDINGS)  
TEMPERATURE  
TEMPERATURE CONTROL  
TEMPERATURE DISTRIBUTION  
THERMAL INSULATION  
∞ TREATMENT  
VENTILATION

### AIR CONDITIONING EQUIPMENT

RT ABSORBENTS  
ABSORBERS (EQUIPMENT)  
ADSORBENTS  
BLOWERS  
COMPRESSORS  
CONDENSERS (LIQUEFIERS)  
COOLERS  
COOLING SYSTEMS  
∞ DIFFUSERS  
∞ EQUIPMENT  
EVAPORATORS  
∞ FANS  
HEAT PUMPS  
HEATING EQUIPMENT  
OXYGEN SUPPLY EQUIPMENT  
REFRIGERATING MACHINERY

### AIR CONDUCTIVITY

RT ATMOSPHERIC CONDUCTIVITY  
ELECTRICAL RESISTIVITY  
THERMAL CONDUCTIVITY

### AIR COOLING

SN (COOLING WITH AIR)  
GS COOLING  
... **AIR COOLING**  
RT COOLANTS  
COOLERS  
COOLING SYSTEMS  
LIQUID COOLING  
REFRIGERATING  
VENTILATION

### AIR CURRENTS

GS FLUID FLOW  
... GAS FLOW  
... AIR FLOW  
... **AIR CURRENTS**  
... JET STREAMS (METEOROLOGY)  
... MERIDIONAL FLOW  
... VERTICAL AIR CURRENTS  
RT ATMOSPHERIC CIRCULATION  
BAROTROPIC FLOW  
BOUNDARY LAYER TRANSITION  
BRUNT-VAISALA FREQUENCY  
CONVECTION CLOUDS  
CONVECTION CURRENTS  
∞ CURRENTS  
GROUND WIND  
LEE WAVES  
SEA BREEZE  
UPSTREAM  
WIND (METEOROLOGY)  
WINDPOWER UTILIZATION  
ZONAL FLOW (METEOROLOGY)

### AIR CUSHION LANDING SYSTEMS

RT AIRCRAFT LANDING  
CUSHIONS  
GROUND EFFECT (AERODYNAMICS)  
SKID LANDINGS  
∞ SYSTEMS

### AIR CUSHION VEHICLES

USE GROUND EFFECT MACHINES

### AIR DATA SYSTEMS

SN (LIMITED TO FLIGHT DATA SYSTEMS)  
GS DATA SYSTEMS  
... **AIR DATA SYSTEMS**  
RT AIR  
∞ AIRCRAFT  
∞ SPACECRAFT  
TABLES (DATA)  
WIND TUNNEL TESTS



## AIR DEFENSE

### AIR DEFENSE

GS AIR DEFENSE  
 . ANTIMISSILE DEFENSE  
 . SAGE AIR DEFENSE SYSTEM  
 RT ANTIRADIATION MISSILES  
 BALLISTIC MISSILE EARLY WARNING SYSTEM  
 CAMOUFLAGE  
 CIVIL DEFENSE  
 DECEPTION  
 ∞ DEFENSE  
 DEFENSE PROGRAM  
 DMSP SATELLITES  
 EARLY WARNING SYSTEMS  
 ELECTRONIC WARFARE  
 JAMMERS  
 OPTICAL COUNTERMEASURES  
 SABOTAGE  
 SPACE SURVEILLANCE (GROUND BASED)  
 SPACE SURVEILLANCE (SPACEBORNE)  
 WEAPONS DELIVERY

AIR DENSITY EXPLORER A  
 USE EXPLORER 19 SATELLITE

AIR DENSITY/INJUN EXPLORER B  
 USE EXPLORER 25 SATELLITE

### AIR DROP OPERATIONS

RT BAILOUT  
 BALLUTES  
 CARGO  
 DELIVERY  
 FREE FALL  
 ∞ OPERATIONS  
 PARACHUTES  
 PARAVULCOONS  
 PARAWINGS

### AIR DUCTS

GS DUCTS  
 . AIR DUCTS  
 RT ANNULAR DUCTS  
 BLOWERS  
 EXHAUST NOZZLES  
 ∞ FANS  
 GAS FLOW  
 VENTILATORS

### AIR FILTERS

GS CLEANERS  
 . AIR FILTERS  
 SEPARATORS  
 . FLUID FILTERS  
 . AIR FILTERS  
 RT COOLING SYSTEMS  
 DUST COLLECTORS  
 ∞ FILTERS  
 PRECIPITATORS  
 VENTILATION

### AIR FLOW

GS FLUID FLOW  
 . GAS FLOW  
 . AIR FLOW  
 . . . AIR CURRENTS  
 . . . JET STREAMS (METEOROLOGY)  
 . . . MERIDIONAL FLOW  
 . . . VERTICAL AIR CURRENTS  
 RT AERODYNAMIC INTERFERENCE  
 ATMOSPHERIC BOUNDARY LAYER  
 BAROTROPIC FLOW  
 BRUNT-VAISALA FREQUENCY  
 COMPRESSIBLE FLOW  
 ∞ CURRENTS  
 DUCT GEOMETRY  
 DUCTED FLOW  
 STREAMLINING  
 STREAMS  
 VENTILATION

### AIR FREIGHT

USE AIR CARGO

### AIR INLETS

USE AIR INTAKES

### AIR INTAKES

UF AIR INLETS  
 GS INTAKE SYSTEMS  
 . AIR INTAKES  
 . . ENGINE INLETS  
 . . HYPERSONIC INLETS

### AIR INTAKES-(CONT.)

. . INLET AIRFRAME CONFIGURATIONS  
 . . SUPERSONIC INLETS  
 RT BYPASS RATIO  
 CONICAL INLETS  
 COWLINGS  
 INLET NOZZLES  
 INLET TEMPERATURE  
 INTERNAL COMPRESSION INLETS  
 MANIFOLDS  
 NACELLES  
 NOSE INLETS  
 PLENUM CHAMBERS  
 SCOOPS  
 SIDE INLETS  
 SUPERCHARGERS  
 SUPERSONIC DIFFUSERS  
 VENTILATION  
 VENTILATORS  
 ∞ WATER INTAKES

### AIR JETS

GS FLUID FLOW  
 . JET FLOW  
 . . AIR JETS  
 FLUID JETS  
 . AIR JETS  
 RT GAS FLOW  
 GAS JETS  
 JET STREAMS (METEOROLOGY)  
 ∞ JETS  
 VAPOR JETS

### AIR LAND INTERACTIONS

RT ATMOSPHERIC BOUNDARY LAYER  
 ATMOSPHERIC CIRCULATION  
 GAS-SOLID INTERACTIONS  
 ∞ INTERACTIONS  
 METEOROLOGY

### AIR LAUNCHING

GS LAUNCHING  
 . AIR LAUNCHING  
 RT MULTISTAGE ROCKET VEHICLES  
 PIGGYBACK SYSTEMS

### AIR LAW

GS LAW (JURISPRUDENCE)  
 . INTERNATIONAL LAW  
 . . AIR LAW  
 RT ∞ AERONAUTICS  
 AIRSPACE  
 CIVIL AVIATION  
 CONVENTIONS  
 INSURANCE (CONTRACTS)  
 LEGAL LIABILITY  
 LIABILITIES  
 ∞ MILITARY AVIATION  
 NATIONAL AIRSPACE UTILIZATION  
 SYSTEM  
 PENALTIES  
 POLITICS  
 PUBLIC LAW  
 REGULATIONS  
 SPACE LAW

### AIR LOCKS

GS COMPARTMENTS  
 . AIR LOCKS  
 RT AIRLOCK MODULES  
 DOORS  
 EGRESS  
 ENCLOSURES  
 HATCHES  
 INGRESS (SPACECRAFT PASSAGEWAY)  
 ∞ LOCKS  
 PRESSURE CHAMBERS  
 SEALS (STOPPERS)

### AIR MAIL

GS CARGO  
 . AIR CARGO  
 . . AIR MAIL

### AIR MASSES

RT ANTICYCLONES  
 ATMOSPHERIC CIRCULATION  
 BRUNT-VAISALA FREQUENCY  
 COLD FRONTS  
 FRONTS (METEOROLOGY)  
 METEOROLOGY  
 SYNOPTIC METEOROLOGY  
 WARM FRONTS  
 WEATHER FORECASTING  
 WINDPOWER UTILIZATION

### AIR NAVIGATION

GS NAVIGATION  
 . AIR NAVIGATION  
 . . ALL-WEATHER AIR NAVIGATION  
 . . AREA NAVIGATION  
 . . NAP-OF-THE-EARTH NAVIGATION  
 RT ASTRONAVIGATION  
 BORESIGHT ERROR  
 CELESTIAL NAVIGATION  
 CELESTIAL REFERENCE SYSTEMS  
 COLLISION AVOIDANCE  
 ∞ CONTROL  
 DEAD RECKONING  
 DIGITAL NAVIGATION  
 DOPPLER NAVIGATION  
 FLIGHT INSTRUMENTS  
 FLIGHT MANAGEMENT SYSTEMS  
 FLIGHT PATHS  
 FLIGHT PLANS  
 FLIGHT RULES  
 GUIDANCE (MOTION)  
 HYPERBOLIC NAVIGATION  
 INERTIAL NAVIGATION  
 INSTRUMENT FLIGHT RULES  
 LORAN  
 LORAN C  
 LORAN D  
 NATIONAL AIRSPACE UTILIZATION  
 SYSTEM  
 NAVIGATION AIDS  
 OMEGA NAVIGATION SYSTEM  
 POLAR NAVIGATION  
 RADAR NAVIGATION  
 RADIO NAVIGATION  
 SHORAN  
 SOLAR COMPASSES  
 SPACE NAVIGATION  
 TACAN  
 VHF OMNIRANGE NAVIGATION  
 VISUAL FLIGHT

### AIR PIRACY

UF HIJACKING  
 RT AIRCRAFT SAFETY  
 AIRPORT SECURITY  
 CRIME  
 FLIGHT HAZARDS  
 FLIGHT SAFETY  
 OPERATIONAL HAZARDS

### AIR POLLUTION

UF ATMOSPHERIC IMPURITIES  
 GS POLLUTION  
 . ENVIRONMENT POLLUTION  
 . . AIR POLLUTION  
 . . . GLOBAL AIR POLLUTION  
 . . . INDOOR AIR POLLUTION  
 RT ACID RAIN  
 AEROBIOLOGY  
 AEROSOLS  
 ASHES  
 ATMOSPHERIC CHEMISTRY  
 ATMOSPHERIC COMPOSITION  
 ATMOSPHERIC DENSITY  
 ATMOSPHERIC EFFECTS  
 CHLOROFLUOROMETHANE  
 CLEAN ENERGY  
 CLIMATE CHANGE  
 COMBUSTION PRODUCTS  
 CONTAMINATION  
 DIFFUSION  
 DROPS (LIQUIDS)  
 DUST  
 EARTH ATMOSPHERE  
 EARTH ENVIRONMENT  
 EFFLUENTS  
 ENVIRONMENT EFFECTS  
 ENVIRONMENT PROTECTION  
 ENVIRONMENTAL CHEMISTRY  
 ENVIRONMENTAL QUALITY  
 ENVIRONMENTAL SURVEYS  
 ENVIRONMENTS  
 EXHAUST GASES  
 EXHAUST SYSTEMS  
 FALLOUT  
 FLUE GASES  
 FLY ASH  
 FOREST FIRES  
 GLOBAL AIR SAMPLING PROGRAM  
 HAZE  
 HUMAN WASTES  
 METABOLIC WASTES  
 MIDDLE ATMOSPHERE  
 MIXING HEIGHT  
 MUTAGENS

# AIRBORNE INFECTION

## AIR POLLUTION-(CONT.)

NITROUS ACID  
ODORS  
ORGANIC PEROXIDES  
OXIDIZERS  
OZONE DEPLETION  
PARTICLES  
PARTICULATES  
PHOTOCHEMICAL OXIDANTS  
POLLEN  
POLLUTION MONITORING  
POLLUTION TRANSPORT  
POLYNUCLEAR ORGANIC COMPOUNDS  
SMOG  
SMOKE  
SMOKE ABATEMENT  
SOOT  
TEMPERATURE INVERSIONS  
WASTE DISPOSAL  
WASTES  
WIND (METEOROLOGY)

## AIR PURIFICATION

GS PURIFICATION  
RT . AIR PURIFICATION  
CARBON DIOXIDE CONCENTRATION  
CARBON DIOXIDE REMOVAL  
DECONTAMINATION  
ELECTROSTATIC PRECIPITATORS  
HOPCALITE (TRADEMARK)  
REBREATHING  
STERILIZATION  
VENTILATION

## AIR QUALITY

GS QUALITY  
ENVIRONMENTAL QUALITY  
RT . AIR QUALITY  
EARTH ATMOSPHERE  
ENVIRONMENTS  
INDOOR AIR POLLUTION  
PARTICULATES  
POLLUTION CONTROL  
POLLUTION MONITORING

## AIR SAMPLING

GS SAMPLING  
RT . AIR SAMPLING  
ELECTROSTATIC PRECIPITATORS  
ENVIRONMENT POLLUTION  
GAS ANALYSIS  
GLOBAL AIR SAMPLING PROGRAM  
INDOOR AIR POLLUTION  
PARTICULATES  
SMOG

## AIR SEA ICE INTERACTIONS

GS GAS-LIQUID INTERACTIONS  
AIR WATER INTERACTIONS  
RT . AIR SEA ICE INTERACTIONS  
∞ INTERACTIONS  
SEA ICE

## AIR SEA INTERACTIONS

USE AIR WATER INTERACTIONS

## AIR SICKNESS

USE MOTION SICKNESS

## AIR SLEW MISSILES

GS MISSILES  
RT . AIR SLEW MISSILES  
MANEUVERABILITY  
∞ ROCKETS  
SOLID PROPELLANT ROCKET ENGINES  
THRUST VECTOR CONTROL

## AIR START

GS STARTING  
RT . AIR START  
AIRCRAFT CONTROL  
AIRCRAFT ENGINES  
ENGINE CONTROL  
FLIGHT TESTS

## AIR TO AIR MISSILES

UF AIR TO AIR ROCKETS  
GS MISSILES  
RT . AIR TO AIR MISSILES  
FALCON MISSILE  
MATRA MISSILE  
SIDEWINDER MISSILES  
SPARROW MISSILES  
SPARROW 2 MISSILE

## AIR TO AIR MISSILES-(CONT.)

RT . . SPARROW 3 MISSILE  
ANTI-AIRCRAFT MISSILES  
RAMJET MISSILES  
SIAM MISSILES  
SPACE WEAPONS  
SURFACE TO AIR MISSILES

## AIR TO AIR REFUELING

GS REFUELING  
RT . AIR TO AIR REFUELING  
TANKER AIRCRAFT

## AIR TO AIR ROCKETS

USE AIR TO AIR MISSILES

## AIR TO SURFACE MISSILES

GS MISSILES  
RT . AIR TO SURFACE MISSILES  
BULLPUP MISSILES  
CONDOR MISSILE  
HARPOON MISSILE  
HOUD DOG MISSILE  
MAVERICK MISSILES  
QUAIL MISSILE  
SHRIKE MISSILE  
MISS DISTANCE  
ORDNANCE  
SURFACE TO AIR MISSILES  
SURFACE TO SURFACE MISSILES  
∞ SURFACES  
WEAPON SYSTEMS

## AIR TRAFFIC

GS TRAFFIC  
RT . AIR TRAFFIC  
AIRCRAFT HAZARDS  
AIRLINE OPERATIONS  
AIRSPACE  
COLLISION AVOIDANCE  
FLIGHT HAZARDS  
FLIGHT PATHS  
FLIGHT PLANS  
NATIONAL AIRSPACE UTILIZATION  
SYSTEM  
NATIONAL AVIATION SYSTEM

## AIR TRAFFIC CONTROL

GS GROUND BASED CONTROL  
RT . AIR TRAFFIC CONTROL  
AUTOMATED EN ROUTE ATC  
RADAR APPROACH CONTROL  
TRAFFIC CONTROL  
RT . AIR TRAFFIC CONTROL  
AUTOMATED EN ROUTE ATC  
RADAR APPROACH CONTROL  
AERONAUTICAL SATELLITES  
AIRBORNE RADAR APPROACH  
AIRCRAFT APPROACH SPACING  
AIRCRAFT COMMUNICATION  
AIRCRAFT GUIDANCE  
AIRCRAFT SAFETY  
AIRPORT SURFACE DETECTION  
EQUIPMENT  
AIRPORT TOWERS  
AIRPORTS  
AIRSPACE  
APPROACH  
APPROACH CONTROL  
APPROACH INDICATORS  
ATTITUDE CONTROL  
AUTOMATED PILOT ADVISORY SYSTEM  
AUTOMATED RADAR TERMINAL SYSTEM  
BEACON COLLISION AVOIDANCE  
SYSTEM  
COLLISION AVOIDANCE  
COLLISIONS  
∞ CONTROL  
DISCRETE ADDRESS BEACON SYSTEM  
FLIGHT ALTITUDE  
FLIGHT CONTROL  
FLIGHT MANAGEMENT SYSTEMS  
FLIGHT PATHS  
FLIGHT PLANS  
FLIGHT RULES  
FLIGHT SAFETY  
FLIGHT TIME  
GROUND SUPPORT EQUIPMENT  
GROUND-AIR-GROUND COMMUNICATION  
HELIPORTS  
INSTRUMENT FLIGHT RULES  
INSTRUMENT LANDING SYSTEMS  
LANDING  
LANDING AIDS  
LANDING INSTRUMENTS

## AIR TRAFFIC CONTROL-(CONT.)

LANDING RADAR  
LOCATES SYSTEM  
MICROWAVE LANDING SYSTEMS  
MID-AIR COLLISIONS  
MILITARY AIR FACILITIES  
NATIONAL AIRSPACE SYSTEM  
NATIONAL AIRSPACE UTILIZATION  
SYSTEM  
NATIONAL AVIATION SYSTEM  
NAVIGATION AIDS  
∞ OPERATIONS  
RADAR NAVIGATION  
RADIO NAVIGATION  
ROUTES  
SOLAR COMPASSES  
SURVEILLANCE RADAR  
TAKEOFF  
TAXIING  
TOWERS  
TRACKING (POSITION)  
TRANSPONDERS  
VORTEX ADVISORY SYSTEM  
VORTEX AVOIDANCE

## AIR TRAFFIC CONTROLLERS (PERSONNEL)

GS PERSONNEL  
RT . AIR TRAFFIC CONTROLLERS  
(PERSONNEL)  
AIRPORT TOWERS  
GROUND BASED CONTROL  
LANDING AIDS  
TRAFFIC CONTROL

## AIR TRANSPORTATION

GS TRANSPORTATION  
RT . AIR TRANSPORTATION  
COMPOUND HELICOPTERS  
MARINE TRANSPORTATION  
NATIONAL AVIATION SYSTEM  
RAPID TRANSIT SYSTEMS  
SHORT HAUL AIRCRAFT  
TRANSPORT AIRCRAFT

## AIR WATER INTERACTIONS

UF AIR SEA INTERACTIONS  
GS GAS-LIQUID INTERACTIONS  
RT . AIR WATER INTERACTIONS  
AIR SEA ICE INTERACTIONS  
ATMOSPHERIC & OCEANOGRAPHIC  
INFORM SYS  
EL NINO  
GYRES  
HYDROLOGICAL CYCLE  
∞ INTERACTIONS  
LIQUID-GAS MIXTURES  
LIQUID-VAPOR INTERFACES  
OCEAN DYNAMICS  
OCEAN MODELS  
SEA SURFACE TEMPERATURE  
WATER TUNNEL TESTS

## AIRBORNE EQUIPMENT

GS ONBOARD EQUIPMENT  
RT . AIRBORNE EQUIPMENT  
AIRBORNE/SPACEBORNE  
COMPUTERS  
LIGHT AIRBORNE MULTIPURPOSE  
SYSTEM  
TERCOM  
ADVANCED RANGE INSTRUMENTATION  
AIRCRAFT  
AIRCRAFT COMMUNICATION  
AIRCRAFT EQUIPMENT  
ASTROPLANE  
AUTOMATIC LANDING CONTROL  
AVIONICS  
BALLOON-BORNE INSTRUMENTS  
∞ ELECTRIC EQUIPMENT  
∞ EQUIPMENT  
FLIGHT INSTRUMENTS  
HYDRAULIC EQUIPMENT  
MAP MATCHING GUIDANCE  
MATTS (SYSTEMS)  
RADAR EQUIPMENT  
RADIO EQUIPMENT  
VACUUM ARC SWITCHES

## AIRBORNE INFECTION

GS DISEASES  
INFECTIOUS DISEASES  
RT . AIRBORNE INFECTION  
AEROBIOLOGY  
PARASITIC DISEASES

## AIRCRAFT ANTENNAS

**AIRCRAFT ACCIDENTS-(CONT.)**  
 INSURANCE (CONTRACTS)  
 MALFUNCTIONS  
 MIDAIR COLLISIONS  
 PILOT ERROR  
 WEATHER

**AIRCRAFT ANTENNAS**  
 GS ANTENNAS  
 . **AIRCRAFT ANTENNAS**  
 RT ∞ AIRCRAFT  
 LOOP ANTENNAS  
 MICROWAVE ANTENNAS  
 MISSILE ANTENNAS  
 PROTUBERANCES  
 RADAR ANTENNAS  
 RADIO ANTENNAS

**AIRCRAFT APPROACH SPACING**  
 GS SPACING  
 . **AIRCRAFT APPROACH SPACING**  
 RT AERONAUTICAL SATELLITES  
 AIR TRAFFIC CONTROL  
 AIRBORNE RADAR APPROACH  
 ∞ AIRCRAFT  
 AIRCRAFT SAFETY  
 AIRSPACE  
 APPROACH  
 APPROACH CONTROL  
 COLLISION AVOIDANCE  
 FLIGHT SAFETY  
 GLIDE PATHS  
 GROUND BASED CONTROL  
 INSTRUMENT APPROACH  
 NATIONAL AIRSPACE UTILIZATION  
 SYSTEM  
 NATIONAL AVIATION SYSTEM  
 VORTEX ADVISORY SYSTEM  
 VORTEX AVOIDANCE

**AIRCRAFT BASES**  
 USE MILITARY AIR FACILITIES

**AIRCRAFT BRAKES**  
 GS BRAKES (FOR ARRESTING MOTION)  
 . **AIRCRAFT BRAKES**  
 . . . SPLIT FLAPS  
 . . . WING FLAPS  
 . . . LEADING EDGE SLATS  
 . . . TRAILING EDGE FLAPS  
 RT AERODYNAMIC BRAKES  
 ∞ AIRCRAFT  
 ANTISKID DEVICES  
 BALLUTES  
 DRAG CHUTES  
 DRAG DEVICES  
 THRUST REVERSAL  
 TOWED BODIES  
 WHEEL BRAKES

**AIRCRAFT CABINS**  
 USE AIRCRAFT COMPARTMENTS

**AIRCRAFT CARRIERS**  
 GS SURFACE VEHICLES  
 . **AIRCRAFT CARRIERS**  
 WATER VEHICLES  
 . SHIPS  
 . **AIRCRAFT CARRIERS**  
 RT ∞ AIRCRAFT  
 ARRESTING GEAR  
 ∞ CARRIERS  
 MILITARY AIR FACILITIES  
 ∞ MILITARY AIRCRAFT  
 ∞ MILITARY VEHICLES  
 NAVY  
 NUCLEAR POWERED SHIPS

**AIRCRAFT COMMUNICATION**  
 GS COMMUNICATING  
 . **AIRCRAFT COMMUNICATION**  
 TELECOMMUNICATION  
 . **AIRCRAFT COMMUNICATION**  
 RT AERONAUTICAL SATELLITES  
 AIR TRAFFIC CONTROL  
 AIRBORNE EQUIPMENT  
 ∞ AIRCRAFT  
 APPROACH CONTROL  
 AVIONICS  
 GROUND-AIR-GROUND COMMUNICATION  
 RADAR BEACONS  
 RADIO COMMUNICATION  
 WIRELESS COMMUNICATION

**AIRCRAFT COMPARTMENTS**  
 UF AIRCRAFT CABINS  
 AIRCRAFT INTERIORS  
 COMPARTMENTS  
 . **AIRCRAFT COMPARTMENTS**  
 RT ∞ AIRCRAFT  
 BAYS (STRUCTURAL UNITS)  
 CABIN ATMOSPHERES  
 ∞ CABINS  
 COCKPITS  
 GONDOLAS  
 PRESSURIZED CABINS  
 WINDSHIELDS

**AIRCRAFT CONFIGURATIONS**  
 UF FIXED-WING AIRCRAFT  
 GS **AIRCRAFT CONFIGURATIONS**  
 . DROOPED AIRFOILS  
 RT AERODYNAMIC CONFIGURATIONS  
 AERODYNAMIC INTERFERENCE  
 ∞ AIRCRAFT  
 COMPOUND HELICOPTERS  
 ∞ CONFIGURATIONS  
 CONTROL CONFIGURED VEHICLES  
 FLARED BODIES  
 ∞ FLIGHT VEHICLES  
 JOINED WINGS  
 ∞ LOW WING AIRCRAFT  
 MISSILE CONFIGURATIONS  
 PROPULSION SYSTEM CONFIGURATIONS  
 SPACECRAFT CONFIGURATIONS  
 UNDER SURFACE BLOWING  
 UPPER SURFACE BLOWING  
 WING ROOTS

**AIRCRAFT CONSTRUCTION**  
 USE AIRCRAFT STRUCTURES

**AIRCRAFT CONSTRUCTION MATERIALS**  
 GS **AIRCRAFT CONSTRUCTION MATERIALS**  
 . AIRFRAME MATERIALS  
 RT ∞ AIRCRAFT  
 AIRFRAMES  
 CERAMIC MATRIX COMPOSITES  
 COMPOSITE MATERIALS  
 ∞ CONSTRUCTION MATERIALS  
 FUSELAGES  
 LITHIUM ALLOYS  
 ∞ MATERIALS  
 PLASTIC AIRCRAFT STRUCTURES  
 SKIN (STRUCTURAL MEMBER)  
 STRUCTURAL MEMBERS  
 WINGS

**AIRCRAFT CONTROL**  
 UF FLAP CONTROL  
 GS **AIRCRAFT CONTROL**  
 . HELICOPTER CONTROL  
 RT ACTIVE CONTROL  
 AIR START  
 ∞ AIRCRAFT  
 ATTITUDE CONTROL  
 AUTOMATIC CONTROL  
 AUTOMATIC FLIGHT CONTROL  
 ∞ CONTROL  
 CONTROL EQUIPMENT  
 CONTROL SIMULATION  
 CONTROL STABILITY  
 CONTROL STICKS  
 CONTROLLABILITY  
 DAST PROGRAM  
 DIRECTIONAL CONTROL  
 ENGINE CONTROL  
 FLIGHT CONTROL  
 FLIGHT ENVELOPES  
 FLIGHT INSTRUMENTS  
 FLY BY TUBE CONTROL  
 FLY BY WIRE CONTROL  
 GROUND BASED CONTROL  
 LATERAL CONTROL  
 LONGITUDINAL CONTROL  
 MANEUVERABILITY  
 MANUAL CONTROL  
 MINOR CIRCLE TURNING FLIGHT  
 PILOT INDUCED OSCILLATION  
 RADIO CONTROL  
 REMOTE CONTROL  
 STABILITY AUGMENTATION  
 TURBOJET ENGINE CONTROL  
 VISUAL CONTROL

**AIRCRAFT DESIGN**  
 GS **AIRCRAFT DESIGN**  
 . HELICOPTER DESIGN  
 RT ACOUSTIC RETROFITTING

## AIRCRAFT DESIGN-(CONT.)

AERODYNAMIC CONFIGURATIONS  
 AEROELASTIC RESEARCH WINGS  
 AERONAUTICAL ENGINEERING  
 AEROQUATIC VEHICLES  
 ∞ AIRCRAFT  
 AIRFOILS  
 CHANNEL WINGS  
 COMPOUND HELICOPTERS  
 COMPUTER AIDED DESIGN  
 CONTROL CONFIGURED VEHICLES  
 DAST PROGRAM  
 ∞ DESIGN  
 ENGINE AIRFRAME INTEGRATION  
 ENGINE DESIGN  
 FLIGHT TESTS  
 FREE WING AIRCRAFT  
 LOFTING  
 MISSILE DESIGN  
 PANAVIA MILITARY AIRCRAFT  
 PRODUCT DEVELOPMENT  
 ROTOR SYSTEMS RESEARCH AIRCRAFT  
 SHORT HAUL AIRCRAFT  
 STREAMLINING  
 STRUCTURAL DESIGN  
 SYSTEMS ENGINEERING  
 TERMINAL CONFIGURED VEHICLE  
 PROGRAM  
 TRANSATMOSPHERIC VEHICLES  
 TU-154 AIRCRAFT  
 VORTEX SHEETS  
 WEIGHT REDUCTION  
 YF-12 AIRCRAFT

**AIRCRAFT DETECTION**  
 GS DETECTION  
 . **AIRCRAFT DETECTION**  
 RT ∞ AIRCRAFT  
 ∞ DETECTORS  
 IFF SYSTEMS (IDENTIFICATION)  
 INFRARED SUPPRESSION  
 TRACKING (POSITION)

**AIRCRAFT ENERGY EFFICIENCY PROGRAM**  
 USE ACEE PROGRAM

**AIRCRAFT ENGINES**  
 UF AIRCRAFT POWER SOURCES  
 GS **AIRCRAFT ENGINES**  
 . CONVERTIBLE FAN-SHAFT ENGINES  
 . HELICOPTER ENGINES  
 . J-52 ENGINE  
 . J-58 ENGINE  
 . J-97 ENGINE  
 . T-34 ENGINE  
 . T-38 ENGINE  
 . T-55 ENGINE  
 . T-63 ENGINE  
 . T-76 ENGINE  
 . T-78 ENGINE  
 . TF-30 ENGINE  
 . TF-34 ENGINE  
 . TF-41 ENGINE  
 . VARIABLE CYCLE ENGINES  
 . VARIABLE STREAM CONTROL ENGINES  
 RT ACEE PROGRAM  
 AIR START  
 ∞ AIRCRAFT  
 ENGINE AIRFRAME INTEGRATION  
 GAS TURBINE ENGINES  
 HYDROGEN ENGINES  
 INFRARED SUPPRESSION  
 INTERNAL COMBUSTION ENGINES  
 JET ENGINES  
 JET PROPULSION  
 LASER PROPULSION  
 NUCLEAR PROPULSION  
 PISTON ENGINES  
 ∞ POWER SUPPLIES  
 QUIET ENGINE PROGRAM  
 ROCKET ENGINES  
 ROTARY ENGINES  
 T-58 ENGINE  
 T-58-GE-8B ENGINE  
 TOPPING CYCLE ENGINES  
 TURBINE ENGINES  
 WANKEL ENGINES

**AIRCRAFT EQUIPMENT**  
 GS ONBOARD EQUIPMENT  
 . **AIRCRAFT EQUIPMENT**  
 . . BOMBING EQUIPMENT  
 . . EJECTION SEATS  
 . . FLYING EJECTION SEATS  
 . . TERCOM

## AIRCRAFT PERFORMANCE

### AIRCRAFT EQUIPMENT-(CONT.)

RT AIRBORNE EQUIPMENT  
 ∞ AIRCRAFT  
 . AIRCRAFT HYDRAULIC SYSTEMS  
 . AIRCRAFT LIGHTS  
 . AIRCRAFT POWER SUPPLIES  
 . AIRCRAFT TIRES  
 . AUTOMATIC LANDING CONTROL  
 . AUTOMATIC PILOTS  
 . AVIONICS  
 . COMMONALITY  
 . DISPLAY DEVICES  
 ∞ EQUIPMENT  
 . FLIGHT INSTRUMENTS  
 . LANDING AIDS  
 . LANDING INSTRUMENTS  
 . LIGHT AIRBORNE MULTIPURPOSE SYSTEM  
 . NAVIGATION AIDS  
 . NAVIGATION INSTRUMENTS  
 . RADIO DIRECTION FINDERS

### AIRCRAFT FUEL SYSTEMS

GS FUEL SYSTEMS  
 . AIRCRAFT FUEL SYSTEMS  
 RT ∞ AIRCRAFT  
 . FUEL PUMPS  
 . FUEL TANK PRESSURIZATION  
 . FUEL TANKS  
 . FUEL VALVES  
 ∞ SYSTEMS

### AIRCRAFT FUELS

GS FUELS  
 . CHEMICAL FUELS  
 . LIQUID FUELS  
 . . . AIRCRAFT FUELS  
 RT ∞ AIRCRAFT  
 . ANTIMISTING FUELS  
 . AUTOMOBILE FUELS  
 . HYDROCARBON FUELS  
 . JET ENGINE FUELS  
 . LIQUID ROCKET PROPELLANTS  
 . MONOPROPELLANTS  
 . SLURRY PROPELLANTS  
 . SOLID PROPELLANTS  
 . TANKER AIRCRAFT

### AIRCRAFT GUIDANCE

GS GUIDANCE (MOTION)  
 . AIRCRAFT GUIDANCE  
 RT AIR TRAFFIC CONTROL  
 ∞ AIRCRAFT  
 . APPROACH CONTROL  
 . AUTOMATED EN ROUTE ATC  
 . COLLISION AVOIDANCE  
 ∞ INDICATORS  
 . INSTRUMENT LANDING SYSTEMS  
 . RADAR APPROACH CONTROL  
 . RADAR NAVIGATION  
 . RADARSCOPES  
 . RADIO NAVIGATION

### AIRCRAFT HAZARDS

GS HAZARDS  
 . AIRCRAFT HAZARDS  
 RT AIR TRAFFIC  
 ∞ AIRCRAFT  
 . AVIATION METEOROLOGY  
 . BIRD-AIRCRAFT COLLISIONS  
 . BIRDS  
 . COLLISIONS  
 . CRASH LANDING  
 . CRASHES  
 . FLIGHT HAZARDS  
 . FLIGHT SAFETY  
 . FOREIGN BODIES  
 . HUMAN FACTORS ENGINEERING  
 . MALFUNCTIONS  
 . MIDAIR COLLISIONS  
 . NOISE (SOUND)  
 . OPERATIONAL HAZARDS  
 . REFUELING  
 . THREAT EVALUATION  
 . TOXIC HAZARDS  
 . WEATHER

### AIRCRAFT HYDRAULIC SYSTEMS

GS HYDRAULIC EQUIPMENT  
 . AIRCRAFT HYDRAULIC SYSTEMS  
 RT ACTUATORS  
 ∞ AIRCRAFT  
 . AIRCRAFT EQUIPMENT  
 . SERVOCONTROL  
 . SERVOMECHANISMS

### AIRCRAFT HYDRAULIC SYSTEMS-(CONT.)

∞ SYSTEMS

### AIRCRAFT INDUSTRY

GS INDUSTRIES  
 . AEROSPACE INDUSTRY  
 . . . AIRCRAFT INDUSTRY  
 RT AERONAUTICAL ENGINEERING  
 ∞ AIRCRAFT  
 . AIRCRAFT PRODUCTION COSTS

### AIRCRAFT INSTRUMENTS

GS AIRCRAFT INSTRUMENTS  
 . APPROACH INDICATORS  
 . AUTOMATIC PILOTS  
 . FLIGHT RECORDERS  
 . RATE OF CLIMB INDICATORS  
 RT AIRBORNE SURVEILLANCE RADAR  
 . ALTIMETERS  
 . ANEMOMETERS  
 . ATTITUDE INDICATORS  
 . AUTOMATIC FLIGHT CONTROL  
 . AVIONICS  
 . COMPASSES  
 . DISPLAY DEVICES  
 . FLIGHT CONTROL  
 . FLIGHT INSTRUMENTS  
 . FLIGHT PATHS  
 . FLIGHT TEST INSTRUMENTS  
 . INDICATING INSTRUMENTS  
 . INSTRUMENT APPROACH  
 . INSTRUMENT LANDING SYSTEMS  
 ∞ INSTRUMENTS  
 . I2S CAMERAS  
 . LANDING AIDS  
 . LANDING INSTRUMENTS  
 . LASER ALTIMETERS  
 . LIGHT EMITTING DIODES  
 ∞ MEASUREMENT  
 . MEASURING INSTRUMENTS  
 . MONITORS  
 . NAVIGATION AIDS  
 . NAVIGATION INSTRUMENTS  
 . POSITION INDICATORS  
 . RADAR  
 . RADIO ALTIMETERS  
 . RECORDING INSTRUMENTS  
 . SPEED INDICATORS  
 . TACHOMETERS

### AIRCRAFT INTERIORS

USE AIRCRAFT COMPARTMENTS

### AIRCRAFT LANDING

GS LANDING  
 . AIRCRAFT LANDING  
 . . CRASH LANDING  
 . . . DITCHING (LANDING)  
 . . SKID LANDINGS  
 RT AIR CUSHION LANDING SYSTEMS  
 ∞ AIRCRAFT  
 . ALL-WEATHER LANDING SYSTEMS  
 . BLIND LANDING  
 . CEILINGS (METEOROLOGY)  
 . CONTROLLABILITY  
 . CRASHWORTHINESS  
 . GLIDE LANDINGS  
 . HARD LANDING  
 . INSTRUMENT LANDING SYSTEMS  
 . LANDING AIDS  
 . LANDING MATS  
 . LANDING RADAR  
 . LOW VISIBILITY  
 . MICROWAVE LANDING SYSTEMS  
 . RUNWAY ALIGNMENT  
 . SOFT LANDING  
 . SPACECRAFT LANDING  
 . TAKEOFF  
 . TOUCHDOWN  
 . VERTICAL LANDING  
 . VORTEX AVOIDANCE  
 . WATER LANDING

### AIRCRAFT LAUNCHING DEVICES

UF TAKEOFF SYSTEMS  
 GS LAUNCHERS  
 . AIRCRAFT LAUNCHING DEVICES  
 . . JATO ENGINES  
 RT CATAPULTS

### AIRCRAFT LIGHTS

GS LIGHTING EQUIPMENT  
 . LUMINAIRES  
 . . AIRCRAFT LIGHTS  
 RT ∞ AIRCRAFT

### AIRCRAFT LIGHTS-(CONT.)

AIRCRAFT EQUIPMENT  
 BEACONS

### AIRCRAFT MAINTENANCE

GS MAINTENANCE  
 . AIRCRAFT MAINTENANCE  
 RT ∞ AIRCRAFT  
 . CHECKOUT  
 . FLIGHT OPERATIONS  
 . GROUND SUPPORT EQUIPMENT  
 . LOGISTICS

### AIRCRAFT MANEUVERS

GS MANEUVERS  
 . AIRCRAFT MANEUVERS  
 RT ∞ AIRCRAFT  
 . APPROACH CONTROL  
 . FLIGHT CHARACTERISTICS  
 . FLIGHT ENVELOPES  
 . FLIGHT PATHS  
 . HIGHLY MANEUVERABLE AIRCRAFT  
 . MANEUVERABILITY  
 . OBSTACLE AVOIDANCE  
 . TRAJECTORY OPTIMIZATION  
 . TURNING FLIGHT

### AIRCRAFT MODELS

GS MODELS  
 . AIRCRAFT MODELS  
 RT DYNAMIC MODELS  
 . MATHEMATICAL MODELS  
 . POWERED MODELS  
 . SCALE MODELS  
 . SEMISPAN MODELS  
 . SPACECRAFT MODELS  
 . WIND TUNNEL MODELS

### AIRCRAFT NOISE

GS ELASTIC WAVES  
 . SOUND WAVES  
 . . NOISE (SOUND)  
 . . . AIRCRAFT NOISE  
 . . . . BLADE SLAP NOISE  
 . . . . JET AIRCRAFT NOISE  
 . . . . SONIC BOOMS  
 RT ACOUSTIC RETROFITTING  
 . AEROACOUSTICS  
 . AERODYNAMIC NOISE  
 ∞ AIRCRAFT  
 . COAXIAL NOZZLES  
 . ENGINE NOISE  
 . FOOTPRINTS  
 . JET AIRCRAFT  
 . MUFFLERS  
 . NOISE INTENSITY  
 . NOISE MEASUREMENT  
 . NOISE PREDICTION (AIRCRAFT)  
 . NOISE REDUCTION  
 . SYNCHROPHASING

### AIRCRAFT NOISE PREDICTION

USE NOISE PREDICTION (AIRCRAFT)

### AIRCRAFT PARTS

RT ∞ AIRCRAFT  
 . AIRFOILS  
 . AIRFRAMES  
 . CHANNEL WINGS  
 . CONTROL SURFACES  
 . FUSELAGES  
 . LANDING GEAR  
 . OBLIQUE WINGS  
 . PROTUBERANCES  
 . SWING TAIL ASSEMBLIES  
 . SWING WINGS  
 . TAIL ASSEMBLIES  
 . WINGS

### AIRCRAFT PERFORMANCE

GS AIRCRAFT PERFORMANCE  
 . HELICOPTER PERFORMANCE  
 . AERODYNAMIC STALLING  
 RT ∞ AIRCRAFT  
 . AIRCRAFT SPIN  
 . AIRSPEED  
 . CONTROLLABILITY  
 . DISTANCE  
 . FLIGHT CHARACTERISTICS  
 . FLIGHT ENVELOPES  
 . MANEUVERABILITY  
 . MINIMUM DRAG  
 . PAYLOADS  
 ∞ PERFORMANCE  
 . PILOT PERFORMANCE

## AIRCRAFT PILOTS

### AIRCRAFT PERFORMANCE-(CONT.)

SPECIFICATIONS  
TAKEOFF RUNS

#### AIRCRAFT PILOTS

- UF AVIATORS  
COPILOTS  
JET PILOTS
- GS PERSONNEL
  - . FLYING PERSONNEL
  - . PILOTS (PERSONNEL)
  - . . . AIRCRAFT PILOTS
  - . . . . TEST PILOTS
  - . OPERATORS (PERSONNEL)
  - . PILOTS (PERSONNEL)
  - . . . AIRCRAFT PILOTS
  - . . . . TEST PILOTS
- RT ∞ AIRCRAFT  
AVIATION PSYCHOLOGY  
FLIGHT CREWS  
∞ PILOTS

#### AIRCRAFT POWER SOURCES

USE AIRCRAFT ENGINES

- AIRCRAFT POWER SUPPLIES
- GS ELECTRIC POWER SUPPLIES
  - . AIRCRAFT POWER SUPPLIES
- RT AIRCRAFT EQUIPMENT  
AUXILIARY POWER SOURCES  
ELECTRIC GENERATORS  
∞ POWER SUPPLIES

#### AIRCRAFT PRODUCTION

- UF FUSELAGE MOUNTING
- RT ∞ AIRCRAFT  
COSTS  
EQUIPMENT SPECIFICATIONS  
PRODUCT DEVELOPMENT  
∞ PRODUCTION  
PRODUCTION ENGINEERING

#### AIRCRAFT PRODUCTION COSTS

- GS COSTS
  - . AIRCRAFT PRODUCTION COSTS
  - PRODUCTION COSTS
  - . AIRCRAFT PRODUCTION COSTS
- RT ∞ AIRCRAFT  
AIRCRAFT INDUSTRY  
COST ESTIMATES  
EFFICIENCY  
∞ ENGINEERING  
FINANCIAL MANAGEMENT  
INDUSTRIES  
MANUFACTURING  
PRODUCTION ENGINEERING  
PRODUCTION MANAGEMENT  
PRODUCTIVITY

#### AIRCRAFT RELIABILITY

- UF AIRWORTHINESS  
AIRWORTHINESS REQUIREMENTS
- GS RELIABILITY
  - . AIRCRAFT RELIABILITY
- RT ∞ AIRCRAFT  
CERTIFICATION  
CIRCUIT RELIABILITY  
COMPONENT RELIABILITY  
HELICOPTER PERFORMANCE  
QUALITY CONTROL  
STRUCTURAL RELIABILITY  
VULNERABILITY

#### AIRCRAFT RUNUP

- GS PREFLIGHT OPERATIONS
  - . AIRCRAFT RUNUP
- RT ∞ AIRCRAFT  
ENGINE NOISE  
ENGINE TESTS  
GROUND TESTS  
JET AIRCRAFT NOISE

#### AIRCRAFT SAFETY

- GS SAFETY
  - . AIRCRAFT SAFETY
- RT ABORT APPARATUS  
AEROSPACE SAFETY  
AIR PIRACY  
AIR TRAFFIC CONTROL  
∞ AIRCRAFT  
AIRCRAFT ACCIDENTS  
AIRCRAFT APPROACH SPACING  
AIRCRAFT SPIN  
ALL-WEATHER LANDING SYSTEMS  
ARRESTING GEAR

### AIRCRAFT SAFETY-(CONT.)

- BEACON COLLISION AVOIDANCE  
SYSTEM
- COLLISION AVOIDANCE
- COLLISIONS
- CRASH LANDING
- CRASHES
- CRASHWORTHINESS
- EJECTION SEATS
- FLIGHT HAZARDS
- FLIGHT SAFETY
- FLYING EJECTION SEATS
- LANDING AIDS
- LANDING RADAR
- MICROWAVE LANDING SYSTEMS
- MIDAIR COLLISIONS
- NATIONAL AIRSPACE SYSTEM
- NAVIGATION AIDS
- SAFETY DEVICES
- SOLAR COMPASSES
- THREAT EVALUATION
- WEATHER
- WHEEL BRAKES

#### AIRCRAFT SPECIFICATIONS

- GS SPECIFICATIONS
  - . AIRCRAFT SPECIFICATIONS
- RT ∞ AIRCRAFT  
AIRSPEED  
CEILING (AIRCRAFT CAPABILITY)  
CONTROLLABILITY  
DISTANCE  
FLIGHT CHARACTERISTICS  
PAYLOADS

#### AIRCRAFT SPIN

- RT AERODYNAMIC STALLING
  - ∞ AIRCRAFT  
AIRCRAFT PERFORMANCE  
AIRCRAFT SAFETY  
CONTROL STABILITY  
CONTROLLABILITY  
CRASH LANDING  
FLIGHT HAZARDS  
FLIGHT SAFETY  
HAZARDS  
MANEUVERS  
SPIN DYNAMICS

#### AIRCRAFT STABILITY

- GS DYNAMIC CHARACTERISTICS
  - . DYNAMIC STABILITY
  - . . MOTION STABILITY
  - . . . AIRCRAFT STABILITY
  - . . . . HOVERING STABILITY
  - STABILITY
    - . DYNAMIC STABILITY
    - . . MOTION STABILITY
    - . . . AIRCRAFT STABILITY
    - . . . . HOVERING STABILITY
- RT AERODYNAMIC BALANCE  
AERODYNAMIC STABILITY
  - ∞ AIRCRAFT  
ATTITUDE STABILITY  
BUFFETING  
CONTROL STABILITY  
CONTROLLABILITY  
COUNTERBALANCES  
DIRECTIONAL STABILITY  
FLIGHT ENVELOPES  
HORIZONTAL FLIGHT  
LATERAL STABILITY  
LIQUID SLOSHING  
LONGITUDINAL STABILITY  
LOW SPEED STABILITY  
PILOT INDUCED OSCILLATION  
STATIC STABILITY  
STRUCTURAL STABILITY  
TURNING FLIGHT  
UPPER SURFACE BLOWN FLAPS  
WIND TUNNEL STABILITY TESTS

#### AIRCRAFT STRUCTURES

- UF AIRCRAFT CONSTRUCTION
- GS AIRCRAFT STRUCTURES
  - . AIRFRAMES
  - . FUSELAGES
  - . PLASTIC AIRCRAFT STRUCTURES
- RT AERODYNAMIC INTERFERENCE  
AEROELASTICITY  
AFTERBODIES
  - ∞ AIRCRAFT  
AIRFOILS  
BORON-EPOXY COMPOSITES  
CANARD CONFIGURATIONS

### AIRCRAFT STRUCTURES-(CONT.)

- CANOPIES
- CENTERBODIES
- CHANNEL WINGS
- CONTROL SURFACES
- FAIRINGS
- FOREBODIES
- HULLS (STRUCTURES)
- INTERFERENCE FIT
- LEADING EDGE FLAPS
- NOSES (FOREBODIES)
- OBLIQUE WINGS
- PYLON MOUNTING
- SHELLS (STRUCTURAL FORMS)
- SPACECRAFT STRUCTURES
- STREAMLINING
  - ∞ STRUCTURES
- SWING TAIL ASSEMBLIES
- SWING WINGS
- TAIL ASSEMBLIES
- WINGS

#### AIRCRAFT SURVIVABILITY

- RT ∞ AIRCRAFT  
COMBAT
  - ∞ CONSTRUCTION MATERIALS
- DURABILITY
- FLIGHT CONTROL
- HELICOPTERS
- LIFE (DURABILITY)
  - ∞ MILITARY AIRCRAFT
- PLASTIC AIRCRAFT STRUCTURES
- REINFORCED PLASTICS
- RELIABILITY
- SPACECRAFT SURVIVABILITY
- SURVIVAL
- SURVIVAL EQUIPMENT
- VULNERABILITY

#### AIRCRAFT TIRES

- GS TIRES
  - . AIRCRAFT TIRES
- RT ∞ AIRCRAFT  
AIRCRAFT EQUIPMENT  
LANDING GEAR  
VEHICLE WHEELS

#### AIRCRAFT WAKES

- GS WAKES
  - . AIRCRAFT WAKES
  - . . HELICOPTER WAKES
  - . . . SLIPSTREAMS
  - . . . PROPELLER SLIPSTREAMS
- RT ∞ AIRCRAFT  
HYPERSONIC WAKES  
LAMINAR WAKES  
SUPERSONIC WAKES  
TURBULENT WAKES  
VORTEX ADVISORY SYSTEM  
VORTEX ALLEVATION

#### AIRCROWS

- USE FLIGHT CREWS

#### AIRDROPS

- RT AIR CARGO  
CARGO  
DELIVERY  
DRAG CHUTES  
PARACHUTES

#### AIRFIELD SURFACE MOVEMENTS

- RT AIR CARGO  
AIRPORTS  
HANGARS  
MATERIALS HANDLING  
MOBILE LOUNGES  
RUNWAYS
  - ∞ SURFACES
- TAXIING

#### AIRFIELDS

- USE AIRPORTS

#### AIRFOIL CHARACTERISTICS

- USE AIRFOILS

#### AIRFOIL FENCES

- GS AIRFOILS
  - . AIRFOIL FENCES
- RT BOUNDARY LAYER CONTROL
  - ∞ FENCES
- VORTEX GENERATORS
- WINGS

## AIRPORT LIGHTS

### AIRFOIL OSCILLATIONS

- GS OSCILLATIONS
  - . AIRFOIL OSCILLATIONS
  - . . WING OSCILLATIONS
- RT AERODYNAMIC STABILITY
  - AEROELASTICITY
  - FLAPPING
  - FLUTTER
  - FLUTTER ANALYSIS
  - ROTARY STABILITY
  - STRUCTURAL VIBRATION
  - UNDAMPED OSCILLATIONS
  - VIBRATION
  - VIBRATION MODE

### AIRFOIL PROFILES

- UF AERODYNAMIC CHORDS
  - AIRFOIL SECTIONS
  - AIRFOIL THICKNESS
  - CLARK Y AIRFOIL
- GS AIRFOIL PROFILES
  - . WING PROFILES
  - . . WING SPAN
- RT AERODYNAMIC INTERFERENCE
  - AIRFOILS
  - BLADE TIPS
  - ∞ CROSS SECTIONS
  - JOUKOWSKI TRANSFORMATION
  - KUTTA-JOUKOWSKI CONDITION
  - LIGHTHILL METHOD
  - NOSE TIPS
  - ∞ PROFILES
  - STREAMLINING
  - SUPERCritical AIRFOILS
  - THEODORSEN TRANSFORMATION
  - THICKNESS
  - THICKNESS RATIO
  - THIN AIRFOILS
  - THIN WINGS
  - TIPS
  - WEDGES
  - WING TIPS

### AIRFOIL SECTIONS

- USE AIRFOIL PROFILES

### AIRFOIL THICKNESS

- USE AIRFOIL PROFILES

### AIRFOILS

- UF AIRFOIL CHARACTERISTICS
- GS AIRFOILS
  - . AERIAL RUDDERS
  - . AILERONS
  - . . FLAPERONS
  - . . SPOILER SLOT AILERONS
  - . AIRFOIL FENCES
  - . CIRCULATION CONTROL AIRFOILS
  - . CIRCULATION CONTROL ROTORS
  - . DROOPED AIRFOILS
  - . ELEVATORS (CONTROL SURFACES)
  - . ELEVONS
  - . FLAPS (CONTROL SURFACES)
  - . . EXTERNALLY BLOWN FLAPS
  - . . . UPPER SURFACE BLOWN FLAPS
  - . . FLAPERONS
  - . . JET FLAPS
  - . . SPLIT FLAPS
  - . . WING FLAPS
  - . . . LEADING EDGE FLAPS
  - . . . LEADING EDGE SLATS
  - . . . TRAILING EDGE FLAPS
  - . . . VORTEX FLAPS
  - . HORIZONTAL TAIL SURFACES
  - . LAMINAR FLOW AIRFOILS
  - . PROPELLER BLADES
  - . SPOILERS
  - . SUPERCritical AIRFOILS
  - . . SUPERCritical WINGS
  - . SUPERSONIC AIRFOILS
  - . TABS (CONTROL SURFACES)
  - . THIN AIRFOILS
  - . THIN WINGS
  - . . INFINITE SPAN WINGS
  - . WINGS
  - . . AEROELASTIC RESEARCH WINGS
  - . . CAMBERED WINGS
  - . . CARET WINGS
  - . . CHANNEL WINGS
  - . . CRUCIFORM WINGS
  - . . FIXED WINGS
  - . . FLEXIBLE WINGS
  - . . PARAWINGS
  - . . GAW-1 AIRFOIL
  - . . GAW-2 AIRFOIL

### AIRFOILS-(CONT.)

- . . JOINED WINGS
- . . LOW ASPECT RATIO WINGS
- . . DELTA WINGS
- . . TRAPEZOIDAL WINGS
- . . MISSION ADAPTIVE WINGS
- . . OBLIQUE WINGS
- . . RIGID WINGS
- . . ROTARY WINGS
- . . CIRCULATION CONTROL ROTORS
- . . LIFTING ROTORS
- . . . BEARINGLESS ROTORS
- . . RIGID ROTORS
- . . TILTING ROTORS
- . . TIP DRIVEN ROTORS
- . . X WING ROTORS
- . . SLENDER WINGS
- . . INFINITE SPAN WINGS
- . . SUPERCritical WINGS
- . . SWEEP WINGS
- . . SWEEP FORWARD WINGS
- . . . TRAPEZOIDAL WINGS
- . . SWEEPBACK WINGS
- . . . ARROW WINGS
- . . DELTA WINGS
- . . . TRAPEZOIDAL WINGS
- . . SWING WINGS
- . . THIN WINGS
- . . INFINITE SPAN WINGS
- . . TWISTED WINGS
- . . UNCAMBERED WINGS
- . . RING WINGS
- . . UNSWEEP WINGS
- . . INFINITE SPAN WINGS
- . . RECTANGULAR WINGS
- . . RING WINGS
- . . VARIABLE SWEEP WINGS
- RT AERODYNAMIC CONFIGURATIONS
- AERODYNAMICS
- AIRCRAFT DESIGN
- AIRCRAFT PARTS
- AIRCRAFT STRUCTURES
- AIRFOIL PROFILES
- ASPECT RATIO
- BLADE-VORTEX INTERACTION
- ∞ BLADES
- BLUNT LEADING EDGES
- BLUNT TRAILING EDGES
- BODY-WING CONFIGURATIONS
- CAMBER
- CONTROL SURFACES
- DEICERS
- DEICING
- FINS
- ∞ FOILS
- FOILS (MATERIALS)
- GUIDE VANES
- HYDROFOILS
- INTERACTIONAL AERODYNAMICS
- JET VANES
- LEADING EDGE THRUST
- LEADING EDGES
- LIFT
- LIFTING BODIES
- LIGHTHILL METHOD
- MONOPLANES
- ROTOR BLADES (TURBOMACHINERY)
- ROTORS
- RUDDERS
- SHARP LEADING EDGES
- STABILIZERS (FLUID DYNAMICS)
- STREAMLINED BODIES
- STREAMLINING
- TAIL ASSEMBLIES
- THICKNESS RATIO
- TRAILING EDGES
- TURBOMACHINE BLADES
- VANES
- WAVERIDERS
- WEDGES

### AIRFRAME MATERIALS

- GS AIRCRAFT CONSTRUCTION MATERIALS
- . AIRFRAME MATERIALS
- RT AIRFRAMES
  - COMPOSITE MATERIALS
  - ∞ CONSTRUCTION MATERIALS
  - GLASS FIBER REINFORCED PLASTICS
  - ∞ MATERIALS
  - STRUCTURAL DESIGN
  - STRUCTURAL MEMBERS

### AIRFRAMES

- GS AIRCRAFT STRUCTURES
- . AIRFRAMES

### AIRFRAMES-(CONT.)

- FRAMES
- . AIRFRAMES
- RT AIRCRAFT CONSTRUCTION MATERIALS
- AIRCRAFT PARTS
- AIRFRAME MATERIALS
- BAYS (STRUCTURAL UNITS)
- CANOPIES
- CONTROL SURFACES
- ENGINE AIRFRAME INTEGRATION
- FINS
- FUSELAGES
- LANDING GEAR
- MISSILE BODIES
- MISSILE STRUCTURES
- NACELLES
- PROTUBERANCES
- TAIL ASSEMBLIES
- WING NACELLE CONFIGURATIONS
- WINGS

### AIRGEEP AIRCRAFT

- USE VZ-8 AIRCRAFT

### AIRGLOW

- UF ATMOSPHERIC EMISSION
- GS ATMOSPHERIC RADIATION
  - . SKY RADIATION
  - . . AIRGLOW
  - . . . GEOCORONAL EMISSIONS
  - . . . NIGHTGLOW
  - . . . TWILIGHT GLOW
  - . ELECTROMAGNETIC RADIATION
  - . . LIGHT (VISIBLE RADIATION)
  - . . SKY RADIATION
  - . . . AIRGLOW
  - . . . . GEOCORONAL EMISSIONS
  - . . . . NIGHTGLOW
  - . . . . TWILIGHT GLOW
- RT AERONOMY
- ATMOSPHERIC IONIZATION
- AURORAS
- CHEMILUMINESCENCE
- EARTH ATMOSPHERE
- EMISSION
- FABRY-PEROT SPECTROMETERS
- LIGHT EMISSION
- NIGHT SKY
- OXYGEN SPECTRA
- RADIATIVE RECOMBINATION
- RAYLEIGH SCATTERING
- SKY BRIGHTNESS

### AIRLINE OPERATIONS

- RT AIR CARGO
- AIR TRAFFIC
- CIVIL AVIATION
- COMMERCIAL AIRCRAFT
- OPERATING COSTS
- OPERATIONAL PROBLEMS
- ∞ OPERATIONS
- PASSENGERS
- SHORT HAUL AIRCRAFT

### AIRLOCK MODULES

- GS MODULES
- . AIRLOCK MODULES
- RT AIR LOCKS
- APOLLO APPLICATIONS PROGRAM
- MULTIPLE DOCKING ADAPTERS
- SATURN WORKSHOPS
- SATURN 1 WORKSHOP
- SATURN 5 WORKSHOP
- SKYLAB PROGRAM
- SKYLAB 1
- SKYLAB 2
- SKYLAB 3
- SKYLAB 4
- SPACECRAFT DOCKING MODULES

### AIRPORT BEACONS

- GS LANDING AIDS
  - . AIRPORT BEACONS
  - . . DISCRETE ADDRESS BEACON
  - . . . SYSTEM
  - . NAVIGATION AIDS
  - . . BEACONS
  - . . . AIRPORT BEACONS
  - . . . . DISCRETE ADDRESS BEACON
  - . . . . . SYSTEM
- RT RADIO BEACONS
- SOLAR COMPASSES

### AIRPORT LIGHTS

- GS LANDING AIDS

## AIRPORT PLANNING

### AIRPORT LIGHTS-(CONT.)

GS AIRPORT LIGHTS  
... RUNWAY LIGHTS  
LIGHTING EQUIPMENT  
... LUMINAIRES  
... AIRPORT LIGHTS  
... RUNWAY LIGHTS  
RT SEARCHLIGHTS

### AIRPORT PLANNING

GS PLANNING  
... AIRPORT PLANNING  
RT GROUND SUPPORT EQUIPMENT  
HELIPORTS  
LAND USE  
SITES

### AIRPORT SECURITY

GS SECURITY  
... AIRPORT SECURITY  
RT AIR PIRACY  
AIRPORTS  
PROTECTION  
VULNERABILITY

### AIRPORT SURFACE DETECTION EQUIPMENT

UF ASDE  
RT AIR TRAFFIC CONTROL  
... EQUIPMENT  
GROUND BASED CONTROL  
RADAR EQUIPMENT  
SEARCH RADAR  
... SURFACES  
... SURVEILLANCE RADAR

### AIRPORT TOWERS

GS TOWERS  
... AIRPORT TOWERS  
RT AIR TRAFFIC CONTROL  
AIR TRAFFIC CONTROLLERS  
(PERSONNEL)  
AIRPORTS  
GROUND BASED CONTROL  
HELIPORTS  
LANDING AIDS  
TRAFFIC CONTROL

### AIRPORTS

UF AIRFIELDS  
GS AIRPORTS  
... HELIPORTS  
RT ... AERONAUTICS  
AIR TRAFFIC CONTROL  
AIRFIELD SURFACE MOVEMENTS  
AIRPORT SECURITY  
AIRPORT TOWERS  
... FACILITIES  
HANGARS  
INSTRUMENT LANDING SYSTEMS  
LANDING AIDS  
LANDING MATS  
MILITARY AIR FACILITIES  
MOBILE LOUNGES  
MOORING  
NATIONAL AIRSPACE SYSTEM  
NAVIGATION AIDS  
... PORTS  
RUNWAYS  
SITE SELECTION  
... STRIP

### AIRS (RECONNAISSANCE SYS)

USE AIRBORNE INTEGRATED  
RECONNAISSANCE SYSTEM

### AIRSHIPS

UF AEROSTATS  
DIRIGIBLES  
GS AIRSHIPS  
... HEAVY LIFT AIRSHIPS  
RT ... AIRCRAFT  
BALLOONS  
GONDOLAS  
INFLATABLE STRUCTURES  
... MILITARY AIRCRAFT

### AIRSPACE

RT AIR LAW  
AIR TRAFFIC  
AIR TRAFFIC CONTROL  
AIRCRAFT APPROACH SPACING  
BOUNDARIES  
COLLISION AVOIDANCE  
FLIGHT PATHS  
NATIONAL AIRSPACE SYSTEM

### AIRSPACE-(CONT.)

NATIONAL AIRSPACE UTILIZATION  
SYSTEM

### AIRSPEED

GS RATES (PER TIME)  
... AIRSPEED  
VELOCITY  
... AIRSPEED  
RT AERODYNAMIC STALLING  
AIRCRAFT PERFORMANCE  
AIRCRAFT SPECIFICATIONS  
BOUNDARY LAYER SEPARATION  
FLIGHT CHARACTERISTICS  
GROUND SPEED  
HIGH SPEED  
LOW SPEED  
MACH NUMBER  
WIND VELOCITY

### AIRWORTHINESS

USE AIRCRAFT RELIABILITY

### AIRWORTHINESS REQUIREMENTS

USE AIRCRAFT RELIABILITY

### AIRY FUNCTION

GS ANALYSIS (MATHEMATICS)  
... COMPLEX VARIABLES  
... AIRY FUNCTION  
FUNCTIONS (MATHEMATICS)  
... AIRY FUNCTION  
RT CYLINDRICAL BODIES  
DIFFERENTIAL EQUATIONS  
ELASTIC PROPERTIES  
HARMONIC FUNCTIONS  
POISSON RATIO  
STRESS ANALYSIS

### AITKEN NUCLEI

GS CONDENSATION NUCLEI  
... AITKEN NUCLEI  
RT AEROSOLS  
ATMOSPHERIC CHEMISTRY  
ATMOSPHERIC COMPOSITION  
CLOUD PHYSICS  
COAGULATION  
CONDENSATES  
CRYSTAL GROWTH  
DUST  
ICE NUCLEI  
NUCLEATION  
... NUCLEI  
... SUPERCOOLING

### AJ-10 ENGINE

GS ENGINES  
... ROCKET ENGINES  
... BOOSTER ROCKET ENGINES  
... AJ-10 ENGINE  
... LIQUID PROPELLANT ROCKET  
ENGINES  
... AJ-10 ENGINE  
RT TARTAR MISSILE

### AJ-1000 ENGINE

USE M-1 ENGINE

### AKERMANITE

GS CALCIUM COMPOUNDS  
... CALCIUM CARBONATES  
... AKERMANITE  
... CALCIUM OXIDES  
... AKERMANITE  
CARBON COMPOUNDS  
... CARBONATES  
... CALCIUM CARBONATES  
... AKERMANITE  
CHALCOGENIDES  
... OXIDES  
... METAL OXIDES  
... ALKALINE EARTH OXIDES  
... CALCIUM OXIDES  
... AKERMANITE  
... MAGNESIUM OXIDES  
... AKERMANITE  
MAGNESIUM COMPOUNDS  
... MAGNESIUM OXIDES  
... AKERMANITE  
MINERALS  
... AKERMANITE  
RT SILICATES  
SILICON COMPOUNDS  
SILICON OXIDES

### ALABAMA

GS NATIONS  
... UNITED STATES  
... ALABAMA  
RT GULF OF MEXICO  
TENNESSEE VALLEY (AL-KY-TN)

### ALADIN 2 AIRCRAFT

GS TRANSPORT AIRCRAFT  
... ALADIN 2 AIRCRAFT  
V/STOL AIRCRAFT  
... SHORT TAKEOFF AIRCRAFT  
... ALADIN 2 AIRCRAFT  
RT ... AIRCRAFT

### ALAIS METEORITE

GS CELESTIAL BODIES  
... METEORITES  
... STONY METEORITES  
... CHONDRITES  
... CARBONACEOUS METEORITES  
... ALAIS METEORITE

### ALANINE

GS ACIDS  
... AMINO ACIDS  
... ALANINE  
... PHENYLALANINE  
... CARBOXYLIC ACIDS  
... ALANINE  
ORGANIC COMPOUNDS  
... AMINO ACIDS  
... ALANINE  
... PHENYLALANINE  
... CARBOXYLIC ACIDS  
... ALANINE  
RT PROTEINS

### ALARM PROJECT

UF AUTOMATIC LIGHT AIRCRAFT  
... READINESS MONITOR  
GS PROGRAMS  
... PROJECTS  
... ALARM PROJECT  
RT MONITORS

### ALARMS

USE WARNING SYSTEMS

### ALASKA

GS NATIONS  
... UNITED STATES  
... ALASKA  
RT ALEUTIAN ISLANDS (US)  
BEAUFORT SEA (NORTH AMERICA)  
CHENA RIVER BASIN (AK)  
COOK INLET (AK)  
GULF OF ALASKA  
PRINCE WILLIAM SOUND (AK)  
WRANGELL MOUNTAINS (AK)

### ALBANIA

GS NATIONS  
... ALBANIA  
RT EUROPE

### ALBEDO

GS ALBEDO  
... COSMIC RAY ALBEDO  
... EARTH ALBEDO  
... LUNAR ALBEDO  
RT ABSORPTANCE  
COSMIC RAYS  
EARTH RADIATION BUDGET  
EXPERIMENT  
OPTICAL PROPERTIES  
PLANETARY RADIATION  
REFLECTANCE  
SOLAR RADIATION  
SURFACE PROPERTIES

### ALBERTA

GS NATIONS  
... CANADA  
... ALBERTA

### ALBINISM

GS DISEASES  
... ALBINISM  
RT PIGMENTS  
SKIN (ANATOMY)

### ALBUMINS

GS BIOPOLYMERS

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**ALBUMINS-(CONT.)**

. PROTEINS  
 . . **ALBUMINS**  
 ORGANIC COMPOUNDS  
 . PROTEINS  
 . . **ALBUMINS**  
 RT ELASTIN

**ALCOHOLS**

GS HYDROXYL COMPOUNDS  
 . **ALCOHOLS**  
 . . ETHYL ALCOHOL  
 . . GLYCOLS  
 . . ISOPROPYL ALCOHOL  
 . . METHYL ALCOHOL  
 . . PHENOLS  
 . . . BISPHENOLS  
 . . . CRESOLS  
 . . . PHLOROGLUCINOL  
 . . . THYMOL  
 . . POLYVINYL ALCOHOL  
 . . TRIOLS  
 . . . CYANURIC ACID  
 RT CARBOHYDRATES  
 GASOL (FUEL)  
 GLYCEROLS  
 HYDROXYL RADICALS  
 METHOXY SYSTEMS  
 ORGANIC COMPOUNDS  
 THIOLS

**ALDEHYDES**

GS **ALDEHYDES**  
 . ACETALDEHYDE  
 . ACROLEINS  
 . CHLORAL  
 . FORMALDEHYDE  
 RT ACETYL COMPOUNDS  
 FURFURYL ALCOHOL  
 ORGANIC COMPOUNDS  
 RETINENE

**ALDOLASE**

GS BIOPOLYMERS  
 . PROTEINS  
 . . ENZYMES  
 . . . **ALDOLASE**  
 ORGANIC COMPOUNDS  
 . PROTEINS  
 . . ENZYMES  
 . . . **ALDOLASE**  
 RT MUSCLES

**ALDOSTERONE**

GS ORGANIC COMPOUNDS  
 . LIPIDS  
 . . STEROIDS  
 . . . CORTICOSTEROIDS  
 . . . . **ALDOSTERONE**  
 SECRETIONS  
 . ENDOCRINE SECRETIONS  
 . . HORMONES  
 . . . CORTICOSTEROIDS  
 . . . . **ALDOSTERONE**  
 RT ADRENAL METABOLISM  
 ELECTROLYTE METABOLISM

**ALERTNESS**

RT AROUSAL  
 ATTENTION  
 WAKEFULNESS

**ALEUTIAN ISLANDS (US)**

GS LANDFORMS  
 . ISLANDS  
 . . **ALEUTIAN ISLANDS (US)**  
 RT ALASKA  
 ARCHIPELAGOES  
 ISLAND ARCS  
 UNITED STATES

**ALFALFA**

GS FARM CROPS  
 . **ALFALFA**  
 PLANTS (BOTANY)  
 . **ALFALFA**  
 RT AGRICULTURE  
 BLIGHT  
 BOTANY  
 CROP GROWTH  
 CROP VIGOR  
 ∞ CROPS  
 CURING  
 EARTH RESOURCES  
 ∞ FOOD

**ALFALFA-(CONT.)**

GRASSES  
 IRRIGATION  
 SEEDS

**ALFVEN WAVES**

USE MAGNETOHYDRODYNAMIC WAVES

**ALGAAS**

USE ALUMINUM GALLIUM ARSENIDES

**ALGAE**

UF ALGAL BLOOM  
 GS PLANTS (BOTANY)  
 . **ALGAE**  
 . . BLUE GREEN ALGAE  
 . . . ANABAENA  
 . . . MICROCYSTIS  
 . . . NOSTOC  
 . . . CHLORELLA  
 . . . DUNALIELLA  
 . . . PORPHYRA  
 . . . SCENEDESMUS  
 RT BIOCHEMICAL OXYGEN DEMAND  
 BIOCONVERSION  
 CHLOROPHYLLS  
 EUGLENA  
 LICHENS  
 MARINE BIOLOGY  
 MICROORGANISMS  
 PHOTOSYNTHESIS  
 PHYTOPLANKTON  
 PLANKTON  
 THERMOPHILES  
 THERMOPHILIC PLANTS  
 WATER POLLUTION

**ALGAL BLOOM**

USE ALGAE

**ALGEBRA**

GS **ALGEBRA**  
 . BINOMIAL THEOREM  
 . CURRENT ALGEBRA  
 . DETERMINANTS  
 . GROUP THEORY  
 . . HOMOMORPHISMS  
 . . . AUTOMORPHISMS  
 . . . MONOIDS  
 . . . SUBGROUPS  
 . . LIE GROUPS  
 . . . SPINOR GROUPS  
 . . LINEAR EQUATIONS  
 . . . LINEAR EVOLUTION EQUATIONS  
 . . . RICCATI EQUATION  
 . . LINEAR TRANSFORMATIONS  
 . . NONLINEAR EQUATIONS  
 . . . CUBIC EQUATIONS  
 . . . DUFFING DIFFERENTIAL EQUATION  
 . . . MONGE-AMPERE EQUATION  
 . . . NONLINEAR EVOLUTION EQUATIONS  
 . . QUADRATIC EQUATIONS  
 . . . QUARTIC EQUATIONS  
 . . POLYNOMIALS  
 . . . BINOMIALS  
 . . . DYADICS  
 . . HERMITIAN POLYNOMIAL  
 . . TENSORS  
 . . . STRESS TENSORS  
 . . VECTOR SPACES  
 . . . BANACH SPACE  
 . . . HILBERT SPACE  
 . . . . SOBOLEV SPACE  
 . . . MATRICES (MATHEMATICS)  
 . . . . ADJOINTS  
 . . . . CANONICAL FORMS  
 . . . . EIGENVALUES  
 . . . . EIGENVECTORS  
 . . . . HESSIAN MATRICES  
 . . . . JORDAN FORM  
 . . . . STIFFNESS MATRIX  
 . . . STOKES THEOREM (VECTOR CALCULUS)  
 . . . U SPIN SPACE  
 . . . VECTORS (MATHEMATICS)  
 . . . . EIGENVECTORS  
 . . . . STATE VECTORS  
 . . . VORTICITY  
 RT ANALYSIS (MATHEMATICS)  
 ∞ ANALYZING  
 BOOLEAN ALGEBRA  
 COORDINATES  
 FUNCTIONS (MATHEMATICS)  
 HOMOTROPY  
 ∞ MATHEMATICS

**ALIPHATIC HYDROCARBONS****ALGEBRA-(CONT.)**

SCHWARTZ INEQUALITY  
 ∞ SCIENCE  
 SEMIEMPIRICAL EQUATIONS  
 ∞ SPACE  
 SUMS  
 UNIQUENESS THEOREM

**ALGERIA**

GS NATIONS  
 . **ALGERIA**  
 RT AFRICA

**ALGOL**

UF ALGORITHMIC ORIENTED LANGUAGE  
 GS LANGUAGES  
 . PROGRAMMING LANGUAGES  
 . . **ALGOL**  
 RT COMPUTER PROGRAMMING  
 MACHINE ORIENTED LANGUAGES

**ALGOL ENGINE**

GS ENGINES  
 . ROCKET ENGINES  
 . . BOOSTER ROCKET ENGINES  
 . . . **ALGOL ENGINE**  
 . . . SOLID PROPELLANT ROCKET ENGINES  
 . . . **ALGOL ENGINE**  
 RT BLUE SCOUT ROCKET VEHICLE  
 LITTLE JOE 2 LAUNCH VEHICLE  
 SCOUT LAUNCH VEHICLE

**ALGORITHMIC ORIENTED LANGUAGE**

USE ALGOL

**ALGORITHMS**

GS MATHEMATICAL LOGIC  
 . **ALGORITHMS**  
 . . PARSING ALGORITHMS  
 . . . SIMPLEX METHOD  
 RT COMPUTER PROGRAMMING  
 COMPUTER PROGRAMS  
 COMPUTER SYSTEMS PROGRAMS  
 COMPUTERIZED SIMULATION  
 CONJUGATE GRADIENT METHOD  
 DATA CONVERSION ROUTINES  
 DIFFERENTIAL ANALYZERS  
 FACTORIZATION  
 FUZZY SETS  
 FUZZY SYSTEMS  
 HESSIAN MATRICES  
 MEAN SQUARE ANALYSIS  
 NUMERICAL VALUES  
 NUMERICAL DIFFERENTIATION  
 PARAMETERIZATION  
 ROBUSTNESS (MATHEMATICS)  
 STATE ESTIMATION  
 SYSTOLIC ARRAYS

**ALIGNMENT**

GS **ALIGNMENT**  
 . SELF ALIGNMENT  
 RT ADJUSTING  
 BEARING (DIRECTION)  
 CLEARANCES  
 COLLIMATION  
 CORRECTION  
 DIRECTIVITY  
 FITTING  
 HORIZONTAL ORIENTATION  
 INSTRUMENT ORIENTATION  
 LOOK ANGLES (ELECTRONICS)  
 ∞ ORIENTATION  
 PLY ORIENTATION  
 POLARIZATION (SPIN ALIGNMENT)  
 POSITIONING  
 VERTICAL ORIENTATION

**ALIPHATIC COMPOUNDS**

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)  
 RT ALIPHATIC HYDROCARBONS  
 AMINES  
 FATTY ACIDS  
 MOLECULAR CHAINS  
 ORGANIC COMPOUNDS

**ALIPHATIC HYDROCARBONS**

GS ORGANIC COMPOUNDS  
 . HYDROCARBONS  
 . . **ALIPHATIC HYDROCARBONS**  
 . . . ALKANES  
 . . . BUTANES



## ALKALI HALIDES

### ALIPHATIC HYDROCARBONS-(CONT.)

... CETANE  
... ETHANE  
... HEPTANES  
... METHANE  
... NITROPROPANE  
... NONANES  
... OCTANES  
... PARAFFINS  
... CERESIN  
... PENTANES  
... NEOPENTANE  
... PROPANE  
... ALKENES  
... BUTENES  
... ETHYLENE  
... VINYLIDENE  
... HEXENES  
... PROPYLENE  
... TRIENES  
... ALKYNES  
... ACETYLENE  
... OXYACETYLENE  
... DIENES  
... BUTADIENE  
... HEPTADIENE  
... HEXADIENE  
... POLYBUTADIENE  
RT ∞ ALIPHATIC COMPOUNDS  
TERPENES

### ALKALI HALIDES

GS HALOGEN COMPOUNDS  
... HALIDES  
... METAL HALIDES  
... ALKALI HALIDES  
... CESIUM HALIDES  
... CESIUM BROMIDES  
... CESIUM FLUORIDES  
... CESIUM IODIDES  
... POTASSIUM IODIDES  
... SODIUM BROMIDES  
... SODIUM CHLORIDES  
... SODIUM FLUORIDES  
... SODIUM IODIDES

### ∞ ALKALI METAL COMPOUNDS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
UF GROUP 1A COMPOUNDS  
RT CESIUM COMPOUNDS  
∞ CHEMICAL COMPOUNDS  
LITHIUM COMPOUNDS  
∞ METAL COMPOUNDS  
POTASSIUM COMPOUNDS  
RUBIDIUM COMPOUNDS  
SODIUM COMPOUNDS

### ALKALI METALS

GS CHEMICAL ELEMENTS  
... ALKALI METALS  
... CESIUM  
... CESIUM ISOTOPES  
... CESIUM 133  
... CESIUM 134  
... CESIUM 137  
... CESIUM 144  
... CESIUM VAPOR  
... FRANCIUM  
... LITHIUM  
... LIQUID LITHIUM  
... LITHIUM ISOTOPES  
... POTASSIUM  
... LIQUID POTASSIUM  
... POTASSIUM ISOTOPES  
... POTASSIUM 38  
... POTASSIUM 39  
... POTASSIUM 40  
... RUBIDIUM  
... RUBIDIUM ISOTOPES  
... RUBIDIUM 86  
... SODIUM  
... LIQUID SODIUM  
... SODIUM ISOTOPES  
... SODIUM 22  
... SODIUM 24  
... SODIUM VAPOR  
METALS  
... ALKALI METALS  
... CESIUM  
... CESIUM ISOTOPES  
... CESIUM 133  
... CESIUM 134  
... CESIUM 137

### ALKALI METALS-(CONT.)

... CESIUM 144  
... CESIUM VAPOR  
... FRANCIUM  
... LITHIUM  
... LIQUID LITHIUM  
... LITHIUM ISOTOPES  
... POTASSIUM  
... LIQUID POTASSIUM  
... POTASSIUM ISOTOPES  
... POTASSIUM 38  
... POTASSIUM 39  
... POTASSIUM 40  
... RUBIDIUM  
... RUBIDIUM ISOTOPES  
... RUBIDIUM 86  
... SODIUM  
... LIQUID SODIUM  
... SODIUM ISOTOPES  
... SODIUM 22  
... SODIUM 24  
... SODIUM VAPOR  
RT CESIUM ALLOYS  
METAL VAPORS

### ALKALI VAPOR LAMPS

GS LIGHTING EQUIPMENT  
... LUMINAIRES  
... FLASH LAMPS  
RT LASERS  
LUMINESCENCE  
METAL VAPORS  
RARE EARTH ELEMENTS

### ALKALIES

UF CAUSTICS  
GS BASES (CHEMICAL)  
... ALKALIES  
... LITHIUM HYDROXIDES  
... POTASSIUM HYDROXIDES  
... SODIUM HYDROXIDES  
RT ALKALINITY  
CARBONATES  
HYDROXIDES

### ALKALINE BATTERIES

GS ELECTRIC GENERATORS  
... DIRECT POWER GENERATORS  
... PRIMARY BATTERIES  
... ALKALINE BATTERIES  
ELECTROCHEMICAL CELLS  
... ELECTRIC BATTERIES  
... PRIMARY BATTERIES  
... ALKALINE BATTERIES  
RT STORAGE BATTERIES  
THERMAL BATTERIES

### ∞ ALKALINE EARTH COMPOUNDS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
UF GROUP 2A COMPOUNDS  
RT ALKALINE EARTH METALS  
ALKALINE EARTH OXIDES  
BARIUM COMPOUNDS  
BERYLLIUM COMPOUNDS  
CALCIUM COMPOUNDS  
∞ CHEMICAL COMPOUNDS  
MAGNESIUM COMPOUNDS  
STRONTIUM COMPOUNDS

### ALKALINE EARTH METALS

GS CHEMICAL ELEMENTS  
... ALKALINE EARTH METALS  
... BARIUM ISOTOPES  
... METALS  
... ALKALINE EARTH METALS  
... BARIUM ISOTOPES  
RT ∞ ALKALINE EARTH COMPOUNDS

### ALKALINE EARTH OXIDES

GS CHALCOGENIDES  
... OXIDES  
... METAL OXIDES  
... ALKALINE EARTH OXIDES  
... BARIUM OXIDES  
... BERYLLIUM OXIDES  
... CALCIUM OXIDES  
... AKERMANITE  
... MAGNESIUM OXIDES  
... AKERMANITE  
... PERICLASE  
RT ∞ ALKALINE EARTH COMPOUNDS

### ALKALINITY

RT ALKALIES  
BASES (CHEMICAL)  
CHEMICAL ANALYSIS  
CHEMICAL COMPOSITION  
PH  
SALINITY  
WATER POLLUTION  
WATER QUALITY

### ALKALOIDS

GS BASES (CHEMICAL)  
... ALKALOIDS  
... ATROPINE  
... BETAINES  
... CAFFEINE  
... COLCHICINE  
... ERGOTAMINE  
... HYOSCINE  
... LYSERGINE  
... MORPHINE  
... NICOTINAMIDE  
... NICOTINE  
... PILOCARPINE  
... RESERPINE  
... STRYCHNINE  
... TROPYL COMPOUNDS  
NITROGEN COMPOUNDS  
... ALKALOIDS  
... ATROPINE  
... BETAINES  
... CAFFEINE  
... COLCHICINE  
... ERGOTAMINE  
... HYOSCINE  
... LYSERGINE  
... MORPHINE  
... NICOTINAMIDE  
... NICOTINE  
... PILOCARPINE  
... RESERPINE  
... STRYCHNINE  
... TROPYL COMPOUNDS  
ORGANIC COMPOUNDS  
... CYCLIC COMPOUNDS  
... HETEROCYCLIC COMPOUNDS  
... ALKALOIDS  
... ATROPINE  
... BETAINES  
... CAFFEINE  
... COLCHICINE  
... ERGOTAMINE  
... HYOSCINE  
... LYSERGINE  
... MORPHINE  
... NICOTINAMIDE  
... NICOTINE  
... PILOCARPINE  
... RESERPINE  
... STRYCHNINE  
... TROPYL COMPOUNDS  
RT CURARE  
DRUGS  
MARIJUANA  
QUINOLINE

### ALKALOSIS

RT ACIDOSIS  
HYPERVENTILATION  
PH  
PH FACTOR  
TOXICITY

### ALKANES

UF SATURATED HYDROCARBONS  
GS ORGANIC COMPOUNDS  
... HYDROCARBONS  
... ALIPHATIC HYDROCARBONS  
... ALKANES  
... BUTANES  
... CETANE  
... ETHANE  
... HEPTANES  
... METHANE  
... NITROPROPANE  
... NONANES  
... OCTANES  
... PARAFFINS  
... CERESIN  
... PENTANES  
... NEOPENTANE  
... PROPANE  
RT HYDROCARBON FUELS  
WAXES

**ALKENES**

- UF OLEFINS
- GS ORGANIC COMPOUNDS
  - . HYDROCARBONS
  - . . . ALIPHATIC HYDROCARBONS
  - . . . **ALKENES**
    - . . . . BUTENES
    - . . . . ETHYLENE
    - . . . . VINYLIDENE
    - . . . . HEXENES
    - . . . . PROPYLENE
    - . . . . TRIENES
- RT ALKYNES
- TERPENES

**ALKYD RESINS**

- GS RESINS
  - . **ALKYD RESINS**
- RT ADHESIVES
- PROTECTIVE COATINGS

**ALKYL COMPOUNDS**

- GS **ALKYL COMPOUNDS**
  - . ALKYLIDENE
  - . CETYL COMPOUNDS
  - . DIBUTYL COMPOUNDS
  - . HEXYL COMPOUNDS
  - . ISOPROPYL NITRATE
  - . METHYL NITRATE
  - . PROPYL NITRATE
  - . TRIETHYL COMPOUNDS
  - . TRIMETHYL COMPOUNDS
- RT .CHEMICAL COMPOUNDS
- ORGANIC COMPOUNDS

**ALKYLATES**

- GS ESTERS
  - . **ALKYLATES**
- RT ALKYLATION

**ALKYLATION**

- UF OXYALKYLATION
- GS CHEMICAL REACTIONS
  - . **ALKYLATION**
- RT ALKYLATES
- FRIEDEL-CRAFT REACTION
- METHYLATION
- REFINING

**ALKYLFERROCENE**

- GS IRON COMPOUNDS
  - . FERROCENES
  - . **ALKYLFERROCENE**
  - . ORGANOMETALLIC COMPOUNDS
  - . FERROCENES
  - . **ALKYLFERROCENE**

**ALKYLIDENE**

- GS ALKYL COMPOUNDS
  - . **ALKYLIDENE**

**ALKYNES**

- GS ORGANIC COMPOUNDS
  - . HYDROCARBONS
  - . . . ALIPHATIC HYDROCARBONS
  - . . . **ALKYNES**
    - . . . . ACETYLENE
    - . . . . OXYACETYLENE
- RT ALKENES
- CYCLIC AMP
- CYCLIC HYDROCARBONS

**ALL SKY PHOTOGRAPHY**

- GS IMAGERY
  - . **ALL SKY PHOTOGRAPHY**
  - . PHOTOGRAPHY
    - . **ALL SKY PHOTOGRAPHY**
- RT BLACK AND WHITE PHOTOGRAPHY
- CLOUD PHOTOGRAPHS
- CLOUD PHOTOGRAPHY
- WIDE ANGLE LENSES

**ALL-WEATHER AIR NAVIGATION**

- GS NAVIGATION
  - . AIR NAVIGATION
  - . . **ALL-WEATHER AIR NAVIGATION**
- RT DOPPLER NAVIGATION
- INERTIAL NAVIGATION
- NAVIGATION AIDS
- RADAR NAVIGATION
- RADIO NAVIGATION
- SOLAR COMPASSES
- TACAN

**ALL-WEATHER LANDING SYSTEMS**

- GS LANDING AIDS
  - . INSTRUMENT LANDING SYSTEMS
  - . . **ALL-WEATHER LANDING SYSTEMS**
- RT AIRCRAFT LANDING
- AIRCRAFT SAFETY
- FLIGHT SAFETY
- LOW VISIBILITY
- .SYSTEMS

**ALLEGHENY PLATEAU (US)**

- GS LAND
  - . **ALLEGHENY PLATEAU (US)**
  - . LANDFORMS
  - . TERRACES (LANDFORMS)
  - . . PLATEAUS
  - . . . **ALLEGHENY PLATEAU (US)**
- RT MARYLAND
- PENNSYLVANIA
- VIRGINIA
- WEST VIRGINIA

**ALLENDE METEORITE**

- GS CELESTIAL BODIES
  - . METEORITES
  - . . STONY METEORITES
  - . . . CHONDRITES
  - . . . . CARBONACEOUS CHONDRITES
  - . . . . **ALLENDE METEORITE**

**ALLERGIC DISEASES**

- RT ANAPHYLAXIS
- CONTACT DERMATITIS
- IMMUNOLOGY

**ALLOCATIONS**

- UF ASSIGNMENT
- GS **ALLOCATIONS**
  - . RESOURCE ALLOCATION
- RT ALLOWANCES
- BUDGETING
- COMMERCIAL ENERGY
- COST EFFECTIVENESS
- DISTRIBUTING
- . DISTRIBUTION
- DOMESTIC ENERGY
- ECONOMIC ANALYSIS
- ECONOMIC FACTORS
- ENGINEERING MANAGEMENT
- ESTIMATES
- FEDERAL BUDGETS
- FINANCIAL MANAGEMENT
- INDUSTRIAL ENERGY
- MATRIX MANAGEMENT
- PROCUREMENT MANAGEMENT
- PROJECT PLANNING
- RESEARCH MANAGEMENT
- REVENUE
- TRANSPORTATION ENERGY

**ALLOTROPY**

- RT AUSTENITE
- CRYSTAL STRUCTURE
- POLYMORPHISM

**ALLOWANCES**

- RT ALLOCATIONS
- CLEARANCES
- . COMPENSATION
- PRECISION
- PRODUCTIVITY
- REGULATIONS
- RELIABILITY
- SAMPLING
- TOLERANCES (MECHANICS)

**ALLOXAN**

- GS ORGANIC COMPOUNDS
  - . CYCLIC COMPOUNDS
  - . . HETEROCYCLIC COMPOUNDS
  - . . . PYRIMIDINES
  - . . . . **ALLOXAN**
- RT THYMIDINE
- THYMINE
- URACIL
- URIC ACID

**ALLOYING**

- RT ADDITIVES
- ALLOYS
- BIMETALS
- BINARY ALLOYS
- EUTECTIC ALLOYS
- EUTECTICS
- INTERMETALLICS

**ALLOYING-(CONT.)**

- . METALLURGY
- . POWDER METALLURGY
- . PYROMETALLURGY
- . QUATERNARY ALLOYS
- . SOLID SOLUTIONS
- . TERNARY ALLOYS

**ALLOYS**

- GS **ALLOYS**
  - . ANTIMONY ALLOYS
  - . BABBITT METAL
  - . ARSENIC ALLOYS
  - . BARIUM ALLOYS
  - . BEARING ALLOYS
  - . BINARY ALLOYS
  - . BISMUTH ALLOYS
  - . BORON ALLOYS
  - . CADMIUM ALLOYS
  - . CAST ALLOYS
  - . CESIUM ALLOYS
  - . CHROMIUM ALLOYS
  - . ASTROLOY (TRADEMARK)
  - . CHROMIUM STEELS
  - . RENE 41
  - . RENE 63
  - . RENE 77
  - . RENE 95
  - . COBALT ALLOYS
  - . ASTROLOY (TRADEMARK)
  - . RENE 41
  - . RENE 63
  - . RENE 77
  - . RENE 95
  - . CONSTANTAN
  - . COPPER ALLOYS
  - . BABBITT METAL
  - . BRASSES
  - . BRONZES
  - . MANGANIN (TRADEMARK)
  - . EUTECTIC ALLOYS
  - . GALLIUM ALLOYS
  - . GERMANIUM ALLOYS
  - . GOLD ALLOYS
  - . HAFNIUM ALLOYS
  - . HEAT RESISTANT ALLOYS
  - . NIMONIC ALLOYS
  - . REFRACTORY METAL ALLOYS
  - . . MOLYBDENUM ALLOYS
  - . . RENE 41
  - . . RENE 63
  - . . RENE 77
  - . . NIOBIUM ALLOYS
  - . . OSMIUM ALLOYS
  - . . RHENIUM ALLOYS
  - . . TANTALUM ALLOYS
  - . . TUNGSTEN ALLOYS
  - . UDIMET ALLOYS
  - . WASPALOY
  - . HIGH STRENGTH ALLOYS
  - . ASTROLOY (TRADEMARK)
  - . HIGH STRENGTH STEELS
  - . . MARAGING STEELS
  - . . INDIUM ALLOYS
  - . . IRON ALLOYS
  - . . STEELS
  - . . . BAINITIC STEEL
  - . . . CARBON STEELS
  - . . . LOW CARBON STEELS
  - . . . CHROMIUM STEELS
  - . . . CROLOY
  - . . . HIGH STRENGTH STEELS
  - . . . MARAGING STEELS
  - . . . NICKEL STEELS
  - . . . STAINLESS STEELS
  - . . . AUSTENITIC STAINLESS STEELS
  - . . . FERRITIC STAINLESS STEELS
  - . . . MARTENSITIC STAINLESS STEELS
  - . KOVAR (TRADEMARK)
  - . LEAD ALLOYS
  - . LIGHT ALLOYS
  - . ALUMINUM ALLOYS
  - . BERYLLIUM ALLOYS
  - . MAGNESIUM ALLOYS
  - . LIQUID ALLOYS
  - . LITHIUM ALLOYS
  - . MANGANESE ALLOYS
  - . . MANGANIN (TRADEMARK)
  - . MERCURY ALLOYS
  - . . MERCURY AMALGAMS
  - . MONOTECTIC ALLOYS
  - . MULBERRY (ALLOY)
  - . NICKEL ALLOYS
  - . . ASTROLOY (TRADEMARK)
  - . . HASTELLOY (TRADEMARK)
  - . . INCONEL (TRADEMARK)

## ALLUVIUM

### ALLOYS-(CONT.)

. . . KAMACITE  
 . . . MONEL (TRADEMARK)  
 . . . NICHROME (TRADEMARK)  
 . . . NITINOL ALLOYS  
 . . . RENE 41  
 . . . RENE 63  
 . . . RENE 77  
 . . . RENE 95  
 . . . UDIMET ALLOYS  
 . . . WASPALOY  
 . . . PALLADIUM ALLOYS  
 . . . PERMALLOYS (TRADEMARK)  
 . . . PLATINUM ALLOYS  
 . . . PLUTONIUM ALLOYS  
 . . . POTASSIUM ALLOYS  
 . . . QUATERNARY ALLOYS  
 . . . RARE EARTH ALLOYS  
 . . . ERBIUM ALLOYS  
 . . . GADOLINIUM ALLOYS  
 . . . LANTHANUM ALLOYS  
 . . . NEODYMIUM ALLOYS  
 . . . RHODIUM ALLOYS  
 . . . RUTHENIUM ALLOYS  
 . . . SELENIUM ALLOYS  
 . . . SHAPE MEMORY ALLOYS  
 . . . NITINOL ALLOYS  
 . . . SILICON ALLOYS  
 . . . SILVER ALLOYS  
 . . . SODIUM ALLOYS  
 . . . SOLDERS  
 . . . SYNTACTIC ALLOYS  
 . . . TELLURIUM ALLOYS  
 . . . TERNARY ALLOYS  
 . . . ASTROLOY (TRADEMARK)  
 . . . THALLIUM ALLOYS  
 . . . THORIUM ALLOYS  
 . . . TIN ALLOYS  
 . . . BABBITT METAL  
 . . . TITANIUM ALLOYS  
 . . . NITINOL ALLOYS  
 . . . URANIUM ALLOYS  
 . . . VANADIUM ALLOYS  
 . . . WROUGHT ALLOYS  
 . . . YTTRIUM ALLOYS  
 . . . ZINC ALLOYS  
 . . . ZIRCONIUM ALLOYS  
 . . . ZIRCALOYS (TRADEMARK)  
 . . . ZIRCALOY 2 (TRADEMARK)  
 RT ALLOYING  
 BIMETALS  
 BINARY SYSTEMS (MATERIALS)  
 EUTECTIC COMPOSITES  
 EUTECTICS  
 FERROUS METALS  
 HARDENERS  
 HEAT TREATMENT  
 INTERMETALLICS  
 KONDO EFFECT  
 LIQUID PHASES  
 METALLOGRAPHY  
 METALLOIDS  
 ∞ METALLURGY  
 METALS  
 MIXTURES  
 PHASE DIAGRAMS  
 POWDER METALLURGY  
 PRECIPITATES  
 RHEOCASTING  
 SOLID SOLUTIONS  
 STRESS RELIEVING  
 TERNARY SYSTEMS

### ALLUVIUM

GS SOILS  
 . . . ALLUVIUM  
 RT CLAYS  
 DELTAS  
 FANS (LANDFORMS)  
 FLOODS  
 GRAVELS  
 HYDROLOGY  
 MUD  
 RIVERS  
 SANDS  
 SEDIMENTARY ROCKS  
 SEDIMENTS  
 STREAMS  
 WATER FLOW

### ALLYL COMPOUNDS

RT ∞ CHEMICAL COMPOUNDS  
 DIALLYL COMPOUNDS

### ALMUCANTAR

USE ELEVATION ANGLE

### ALOHA SYSTEM

GS COMMUNICATION NETWORKS  
 . . . ALOHA SYSTEM  
 . . . TELECOMMUNICATION  
 . . . MULTIPLE ACCESS  
 . . . ALOHA SYSTEM  
 . . . PACKET TRANSMISSION  
 . . . ALOHA SYSTEM  
 . . . TRANSMISSION  
 . . . SIGNAL TRANSMISSION  
 . . . DATA TRANSMISSION  
 . . . MULTIPLE ACCESS  
 . . . ALOHA SYSTEM  
 . . . PACKET TRANSMISSION  
 . . . ALOHA SYSTEM  
 RT CHANNEL CAPACITY  
 CHANNEL NOISE  
 CODE DIVISION MULTIPLE ACCESS  
 COMPUTER NETWORKS  
 FREQUENCY DIVISION MULTIPLE ACCESS  
 PACKETS (COMMUNICATION)  
 RANDOM ACCESS  
 SATELLITE TRANSMISSION  
 ∞ SYSTEMS  
 TIME DIVISION MULTIPLE ACCESS  
 TRANSMISSION EFFICIENCY

### ALOUETTE B SATELLITE

GS ARTIFICIAL SATELLITES  
 . . . ALOUETTE SATELLITES  
 . . . ALOUETTE B SATELLITE  
 . . . CANADIAN SPACECRAFT  
 . . . ALOUETTE SATELLITES  
 . . . ALOUETTE B SATELLITE  
 RT ISIS-X

### ALOUETTE HELICOPTERS

GS SUD AVIATION AIRCRAFT  
 . . . ALOUETTE HELICOPTERS  
 . . . SA-330 HELICOPTER  
 . . . SE-3160 HELICOPTER  
 V/STOL AIRCRAFT  
 . . . ROTARY WING AIRCRAFT  
 . . . HELICOPTERS  
 . . . ALOUETTE HELICOPTERS  
 . . . SA-330 HELICOPTER  
 . . . SE-3160 HELICOPTER  
 RT ∞ AIRCRAFT

### ALOUETTE PROJECT

GS PROGRAMS  
 . . . PROJECTS  
 . . . ALOUETTE PROJECT  
 . . . SPACE PROGRAMS  
 . . . CANADIAN SPACE PROGRAM  
 . . . ALOUETTE PROJECT  
 RT COSMIC NOISE  
 DATA ACQUISITION  
 IONOSPHERIC SOUNDING  
 ISIS-A

### ALOUETTE SATELLITES

GS ARTIFICIAL SATELLITES  
 . . . ALOUETTE SATELLITES  
 . . . ALOUETTE B SATELLITE  
 . . . ALOUETTE 1 SATELLITE  
 . . . ALOUETTE 2 SATELLITE  
 . . . CANADIAN SPACECRAFT  
 . . . ALOUETTE SATELLITES  
 . . . ALOUETTE B SATELLITE  
 . . . ALOUETTE 1 SATELLITE  
 . . . ALOUETTE 2 SATELLITE  
 RT ISIS SATELLITES

### ALOUETTE 1 SATELLITE

UF S-27 SATELLITE  
 GS ARTIFICIAL SATELLITES  
 . . . ALOUETTE SATELLITES  
 . . . ALOUETTE 1 SATELLITE  
 . . . CANADIAN SPACECRAFT  
 . . . ALOUETTE SATELLITES  
 . . . ALOUETTE 1 SATELLITE  
 RT IONOSPHERIC SOUNDING

### ALOUETTE 2 SATELLITE

GS ARTIFICIAL SATELLITES  
 . . . ALOUETTE SATELLITES  
 . . . ALOUETTE 2 SATELLITE  
 . . . ISIS SATELLITES  
 . . . ALOUETTE 2 SATELLITE  
 . . . CANADIAN SPACECRAFT

### ALOUETTE 2 SATELLITE-(CONT.)

. . . ALOUETTE SATELLITES  
 . . . ALOUETTE 2 SATELLITE  
 RT IONOSPHERIC SOUNDING

### ALOUETTE 3 HELICOPTER

USE SE-3160 HELICOPTER

### ALPHA DECAY

GS DECAY  
 . . . RADIOACTIVE DECAY  
 . . . ALPHA DECAY  
 . . . NUCLEAR REACTIONS  
 . . . RADIOACTIVE DECAY  
 . . . ALPHA DECAY  
 RT FINE STRUCTURE  
 SELECTION RULES (NUCLEAR PHYSICS)

### ALPHA JET AIRCRAFT

GS ATTACK AIRCRAFT  
 . . . FIGHTER AIRCRAFT  
 . . . ALPHA JET AIRCRAFT  
 . . . JET AIRCRAFT  
 . . . ALPHA JET AIRCRAFT  
 . . . TRAINING AIRCRAFT  
 . . . ALPHA JET AIRCRAFT  
 RT ∞ AIRCRAFT  
 ∞ MILITARY AIRCRAFT

### ALPHA PARTICLES

SN (EMITTED BY NUCLEI)  
 UF ALPHA RADIATION  
 GS IONIZING RADIATION  
 . . . ALPHA PARTICLES  
 . . . PARTICLES  
 . . . ELEMENTARY PARTICLES  
 . . . BOSONS  
 . . . ALPHA PARTICLES  
 . . . NUCLEAR PARTICLES  
 . . . BOSONS  
 . . . ALPHA PARTICLES  
 RT ALPHATRONS  
 CORPUSCULAR RADIATION  
 COSMIC RAYS  
 DEUTERON IRRADIATION  
 DEUTERONS  
 FLUX DENSITY  
 HELIUM  
 HELIUM IONS  
 IONS  
 NUCLEAR RADIATION  
 NUCLEONS  
 PROTONS  
 ∞ RADIATION  
 RADIOACTIVITY  
 SOLAR WIND VELOCITY  
 TRITONS

### ALPHA PLASMA DEVICES

GS PLASMA ACCELERATORS  
 . . . ALPHA PLASMA DEVICES  
 RT ∞ DEVICES  
 HALL ACCELERATORS  
 MAGNETOHYDRODYNAMICS  
 PLASMA PHYSICS  
 PLASMAS (PHYSICS)

### ALPHA RADIATION

USE ALPHA PARTICLES

### ALPHABETS

RT ALPHANUMERIC CHARACTERS  
 CODING  
 LANGUAGES  
 SYMBOLS

### ALPHANUMERIC CHARACTERS

GS ALPHANUMERIC CHARACTERS  
 . . . DIGITS  
 . . . BINARY DIGITS  
 RT ALPHABETS  
 INSTRUCTION SETS (COMPUTERS)  
 LIGHT EMITTING DIODES  
 ∞ NUMBERS  
 SYMBOLS

### ALPHATRONS

GS MEASURING INSTRUMENTS  
 . . . PRESSURE GAGES  
 . . . VACUUM GAGES  
 . . . IONIZATION GAGES  
 . . . ALPHATRONS  
 VACUUM APPARATUS  
 VACUUM GAGES

**ALPHATRONS-(CONT.)**

.. IONIZATION GAGES  
 .. **ALPHATRONS**  
 RT ALPHA PARTICLES

**ALPINE METEOROLOGY**

GS METEOROLOGY  
 .. **ALPINE METEOROLOGY**  
 RT AERONOMY  
 CLOUDS (METEOROLOGY)  
 NEPHANALYSIS  
 PRECIPITATION (METEOROLOGY)  
 STORMS (METEOROLOGY)  
 WEATHER  
 WIND (METEOROLOGY)

**ALPS MOUNTAINS (EUROPE)**

GS LANDFORMS  
 .. MOUNTAINS  
 .. **ALPS MOUNTAINS (EUROPE)**  
 RT AUSTRIA  
 EUROPE  
 ITALY  
 SWITZERLAND  
 WEST GERMANY

**ALSEP**

USE APOLLO LUNAR SURFACE EXPERIMENTS  
 PACKAGE

**ALTAR ENGINE**

USE X-248 ENGINE

**ALTERATION**

USE REVISIONS

**ALTERNATING CURRENT**

UF AC (CURRENT)  
 GS ELECTRIC CURRENT  
 .. **ALTERNATING CURRENT**  
 ELECTRICITY  
 .. **ALTERNATING CURRENT**  
 RT CURRENT CONVERTERS (AC TO DC)  
 DIRECT CURRENT  
 INDUCTION MOTORS  
 INVERTED CONVERTERS (DC TO AC)  
 VOLTAGE CONVERTERS (AC TO AC)

**ALTERNATING CURRENT GENERATORS**

USE AC GENERATORS

**ALTERNATING DIRECTION IMPLICIT METHODS**

UF ADI METHODS  
 GS PROBLEM SOLVING  
 .. **ALTERNATING DIRECTION IMPLICIT METHODS**  
 RT DIFFERENTIAL EQUATIONS  
 NUMERICAL ANALYSIS  
 PARTIAL DIFFERENTIAL EQUATIONS

**ALTERNATIONS**

GS VARIATIONS  
 .. PERIODIC VARIATIONS  
 .. **ALTERNATIONS**  
 RT CYCLES  
 INTERVALS  
 RHYTHM (BIOLOGY)

**ALTERNATIVES**

RT OPTIONS  
 SUBSTITUTES  
 VARIATIONS

**ALTERNATORS (GENERATORS)**

USE AC GENERATORS

**ALTIMETERS**

GS MEASURING INSTRUMENTS  
 .. DISTANCE MEASURING EQUIPMENT  
 .. **ALTIMETERS**  
 ... LASER ALTIMETERS  
 ... RADIO ALTIMETERS  
 RT AIRCRAFT INSTRUMENTS  
 ALTIMETRY  
 ALTITUDE  
 APPROACH INDICATORS  
 ASTROLABES  
 BAROMETERS  
 FLIGHT INSTRUMENTS  
 HYPSONOMETERS  
 LANDING INSTRUMENTS  
 NAVIGATION AIDS  
 NAVIGATION INSTRUMENTS  
 POSITION INDICATORS

**ALTIMETERS-(CONT.)**

RANGE FINDERS  
 RATE OF CLIMB INDICATORS  
 SATELLITE ALTIMETRY

**ALTIMETRY**

GS **ALTIMETRY**  
 .. SATELLITE ALTIMETRY  
 RT ALTIMETERS  
 ALTITUDE  
 ELEVATION  
 GEODESY  
 GEODES  
 RADAR MEASUREMENT  
 TOPOGRAPHY

**ALTITUDE**

GS **ALTITUDE**  
 .. FLIGHT ALTITUDE  
 .. HIGH ALTITUDE  
 .. LOW ALTITUDE  
 .. MIDALTITUDE  
 .. SEA LEVEL  
 RT ALTIMETERS  
 ALTIMETRY  
 APEXES  
 AZIMUTH  
 DISTANCE  
 ELEVATION  
 ELEVATION ANGLE  
 HEIGHT  
 POSITION (LOCATION)

**ALTITUDE ACCLIMATIZATION**

GS ADAPTATION  
 .. ACCLIMATIZATION  
 .. **ALTITUDE ACCLIMATIZATION**  
 RT MOUNTAIN INHABITANTS

**ALTITUDE CONTROL**

RT  $\infty$  CONTROL  
 LASER ALTIMETERS  
 LATERAL CONTROL  
 LONGITUDINAL CONTROL  
 SPACING

**ALTITUDE SICKNESS**

GS SICKNESSES  
 .. **ALTITUDE SICKNESS**  
 RT AEROEMBOLISM  
 AEROSINUSITIS  
 AEROSPACE MEDICINE  
 DECOMPRESSION SICKNESS

**ALTITUDE SIMULATION**

UF SIMULATED ALTITUDE  
 GS SIMULATION  
 .. ENVIRONMENT SIMULATION  
 .. **ALTITUDE SIMULATION**  
 RT COMPUTERIZED SIMULATION  
 FLIGHT SIMULATION  
 HIGH ALTITUDE ENVIRONMENTS  
 HYPOBARIC ATMOSPHERES  
 LANDING SIMULATION  
 SPACE ENVIRONMENT SIMULATION  
 THERMAL SIMULATION  
 TRAINING DEVICES  
 VACUUM CHAMBERS

**ALTITUDE TESTS**

GS **ALTITUDE TESTS**  
 .. HIGH ALTITUDE TESTS  
 RT ENGINE TESTS  
 FLIGHT TESTS  
 FULL SCALE TESTS  
 HIGH ALTITUDE ENVIRONMENTS  
 TEST VEHICLES  
 $\infty$  TESTS

**ALTITUDE TOLERANCE**

GS TOLERANCES (PHYSIOLOGY)  
 .. **ALTITUDE TOLERANCE**  
 RT HIGH ALTITUDE BREATHING  
 HIGH ALTITUDE ENVIRONMENTS  
 HIGH ALTITUDE PRESSURE  
 HYPOBARIC ATMOSPHERES  
 LOW PRESSURE

**ALU (COMPUTER COMPONENTS)**

USE ARITHMETIC AND LOGIC UNITS

**ALUM**

GS ALUMINUM COMPOUNDS  
 .. **ALUM**

**ALUMINUM BOROHYDRIDES****ALUM-(CONT.)**

POTASSIUM COMPOUNDS  
 .. **ALUM**  
 SULFUR COMPOUNDS  
 .. SULFATES  
 .. **ALUM**

**ALUMINA**

USE ALUMINUM OXIDES

**ALUMINATES**

GS ALUMINUM COMPOUNDS  
 .. **ALUMINATES**  
 RT ALUMINUM OXIDES  
 $\infty$  OXYGEN COMPOUNDS  
 SPINEL

**ALUMINIDES**

GS ALUMINUM COMPOUNDS  
 .. **ALUMINIDES**  
 RT ALUMINUM ALLOYS  
 ALUMINUM COATINGS  
 HEAT RESISTANT ALLOYS  
 INTERMETALLICS  
 NICKEL ALLOYS  
 PROTECTIVE COATINGS  
 TITANIUM ALLOYS

**ALUMINIZING**

USE ALUMINUM COATINGS

**ALUMINUM**

GS CHEMICAL ELEMENTS  
 .. **ALUMINUM**  
 .. ALUMINUM ISOTOPES  
 ... ALUMINUM 26  
 ... ALUMINUM 27  
 METALS  
 .. **ALUMINUM**  
 .. ALUMINUM ISOTOPES  
 ... ALUMINUM 26  
 ... ALUMINUM 27  
 RT ALUMINUM ALLOYS  
 BORAL  
 BORSIC (TRADENAME)  
 CRYOLITE  
 DAWSONITE  
 POWDERED ALUMINUM  
 REACTION BONDING  
 SIALON  
 SINTERED ALUMINUM POWDER

**ALUMINUM ALLOYS**

GS ALLOYS  
 .. LIGHT ALLOYS  
 .. **ALUMINUM ALLOYS**  
 RT ALUMINIDES  
 ALUMINUM  
 BEARING ALLOYS  
 GALLIUM ALLOYS  
 INDIUM ALLOYS  
 LAMELLA (METALLURGY)  
 LITHIUM ALLOYS  
 SILICON ALLOYS  
 VANADIUM ALLOYS

**ALUMINUM ANTIMONIDES**

GS ALUMINUM COMPOUNDS  
 .. **ALUMINUM ANTIMONIDES**  
 ANTIMONY COMPOUNDS  
 .. ANTIMONIDES  
 .. **ALUMINUM ANTIMONIDES**

**ALUMINUM ARSENIDES**

GS ALUMINUM COMPOUNDS  
 .. **ALUMINUM ARSENIDES**  
 ARSENIC COMPOUNDS  
 .. ARSENIDES  
 .. **ALUMINUM ARSENIDES**  
 RT SEMICONDUCTORS (MATERIALS)

**ALUMINUM BOROHYDRIDES**

GS ALUMINUM COMPOUNDS  
 .. ALUMINUM HYDRIDES  
 .. **ALUMINUM BOROHYDRIDES**  
 BORON COMPOUNDS  
 .. BOROHYDRIDES  
 .. **ALUMINUM BOROHYDRIDES**  
 BORON HYDRIDES  
 .. **ALUMINUM BOROHYDRIDES**  
 HYDROGEN COMPOUNDS  
 .. HYDRIDES  
 .. BOROHYDRIDES  
 ... **ALUMINUM BOROHYDRIDES**

## ALUMINUM BORON COMPOSITES

### ALUMINUM BOROHYDRIDES-(CONT.)

- .. BORON HYDRIDES
- .. **ALUMINUM BOROHYDRIDES**
- .. METAL HYDRIDES
- .. ALUMINUM HYDRIDES
- .. **ALUMINUM BOROHYDRIDES**

### ALUMINUM BORON COMPOSITES

- GS COMPOSITE MATERIALS
- .. BORON REINFORCED MATERIALS
- .. **ALUMINUM BORON COMPOSITES**
- .. METAL MATRIX COMPOSITES
- .. **ALUMINUM BORON COMPOSITES**
- RT BORON FIBERS
- .. FIBER COMPOSITES

### ALUMINUM CARBIDES

- GS ALUMINUM COMPOUNDS
- .. **ALUMINUM CARBIDES**
- .. CARBON COMPOUNDS
- .. CARBIDES
- .. **ALUMINUM CARBIDES**

### ALUMINUM CHLORIDES

- GS ALUMINUM COMPOUNDS
- .. **ALUMINUM CHLORIDES**
- .. HALOGEN COMPOUNDS
- .. CHLORINE COMPOUNDS
- .. CHLORIDES
- .. **ALUMINUM CHLORIDES**
- .. HALIDES
- .. CHLORIDES
- .. **ALUMINUM CHLORIDES**
- .. METAL HALIDES
- .. **ALUMINUM CHLORIDES**

### ALUMINUM COATINGS

- UF ALUMINIZING
- GS COATINGS
- .. METAL COATINGS
- .. **ALUMINUM COATINGS**
- RT ALUMINIDES

### ALUMINUM COMPOUNDS

- GS **ALUMINUM COMPOUNDS**
- .. ALUM
- .. ALUMINATES
- .. ALUMINIDES
- .. ALUMINUM ANTIMONIDES
- .. ALUMINUM ARSENIDES
- .. ALUMINUM CARBIDES
- .. ALUMINUM CHLORIDES
- .. ALUMINUM FLUORIDES
- .. ALUMINUM HYDRIDES
- .. ALUMINUM BOROHYDRIDES
- .. ALUMINUM NITRIDES
- .. ALUMINUM OXIDES
- .. SAPPHIRE
- .. ALUMINUM PERCHLORATES
- .. ALUMINUM SILICATES
- .. ANDESITE
- .. GEHLENITE
- .. KAOLINITE
- .. MONTMORILLONITE
- .. PYROPHYLLITE
- .. BERYL
- .. CORDIERITE
- .. CRYOLITE
- .. FELDSPARS
- .. LITHIUM ALUMINUM HYDRIDES
- .. MUSCOVITE
- .. NEPHELINE
- .. NEPHELINE
- .. ORGANIC ALUMINUM COMPOUNDS
- .. SPODUMENE
- .. TOURMALINE
- RT  $\infty$  CHEMICAL COMPOUNDS
- ..  $\infty$  GROUP 3A COMPOUNDS
- .. METAL COMPOUNDS
- .. METAL FUELS
- .. METAL PROPELLANTS

### ALUMINUM FLUORIDES

- GS ALUMINUM COMPOUNDS
- .. **ALUMINUM FLUORIDES**
- .. HALOGEN COMPOUNDS
- .. FLUORINE COMPOUNDS
- .. FLUORIDES
- .. METAL FLUORIDES
- .. **ALUMINUM FLUORIDES**

### ALUMINUM GALLIUM ARSENIDES

- UF ALGAS
- GS ARSENIC COMPOUNDS
- .. ARSENIDES

### ALUMINUM GALLIUM ARSENIDES-(CONT.)

- .. GALLIUM ARSENIDES
- .. **ALUMINUM GALLIUM ARSENIDES**
- .. GALLIUM COMPOUNDS
- .. GALLIUM ARSENIDES
- .. **ALUMINUM GALLIUM ARSENIDES**
- RT MODFETS
- .. NEGATIVE RESISTANCE DEVICES

### ALUMINUM GRAPHITE COMPOSITES

- GS COMPOSITE MATERIALS
- .. METAL MATRIX COMPOSITES
- .. **ALUMINUM GRAPHITE COMPOSITES**
- RT FIBER COMPOSITES
- .. GRAPHITE

### ALUMINUM HYDRIDES

- GS ALUMINUM COMPOUNDS
- .. **ALUMINUM HYDRIDES**
- .. ALUMINUM BOROHYDRIDES
- .. HYDROGEN COMPOUNDS
- .. HYDRIDES
- .. METAL HYDRIDES
- .. **ALUMINUM HYDRIDES**
- .. ALUMINUM BOROHYDRIDES

### ALUMINUM ISOTOPES

- GS CHEMICAL ELEMENTS
- .. ALUMINUM
- .. **ALUMINUM ISOTOPES**
- .. ALUMINUM 26
- .. ALUMINUM 27
- .. NUCLIDES
- .. ISOTOPES
- .. **ALUMINUM ISOTOPES**
- .. ALUMINUM 26
- .. ALUMINUM 27
- METALS
- .. ALUMINUM
- .. **ALUMINUM ISOTOPES**
- .. ALUMINUM 26
- .. ALUMINUM 27

### ALUMINUM NITRIDES

- GS ALUMINUM COMPOUNDS
- .. **ALUMINUM NITRIDES**
- .. NITROGEN COMPOUNDS
- .. NITRIDES
- .. METAL NITRIDES
- .. **ALUMINUM NITRIDES**

### ALUMINUM OXIDES

- UF ALUMINA
- .. CORUNDUM
- GS ALUMINUM COMPOUNDS
- .. **ALUMINUM OXIDES**
- .. SAPPHIRE
- .. CHALCOGENIDES
- .. OXIDES
- .. METAL OXIDES
- .. **ALUMINUM OXIDES**
- .. SAPPHIRE
- RT ABRASIVES
- .. ALUMINATES
- .. BAUXITE
- .. ENERGY ABSORPTION FILMS
- .. GEHLENITE
- .. KAOLINITE
- .. PYROPHYLLITE
- .. RUBY
- .. THERMITES

### ALUMINUM PERCHLORATES

- GS ALUMINUM COMPOUNDS
- .. **ALUMINUM PERCHLORATES**
- .. HALOGEN COMPOUNDS
- .. CHLORINE COMPOUNDS
- .. PERCHLORATES
- .. **ALUMINUM PERCHLORATES**

### ALUMINUM SILICATES

- GS ALUMINUM COMPOUNDS
- .. **ALUMINUM SILICATES**
- .. ANDESITE
- .. GEHLENITE
- .. KAOLINITE
- .. MONTMORILLONITE
- .. PYROPHYLLITE
- .. SILICON COMPOUNDS
- .. SILICATES
- .. **ALUMINUM SILICATES**
- .. ANDESITE
- .. GEHLENITE
- .. KAOLINITE
- .. MONTMORILLONITE

### ALUMINUM SILICATES-(CONT.)

- .. PYROPHYLLITE
- RT MINERALS
- .. MULLITES

### ALUMINUM 26

- GS CHEMICAL ELEMENTS
- .. ALUMINUM
- .. ALUMINUM ISOTOPES
- .. **ALUMINUM 26**
- .. NUCLIDES
- .. ISOTOPES
- .. ALUMINUM ISOTOPES
- .. **ALUMINUM 26**
- METALS
- .. ALUMINUM
- .. ALUMINUM ISOTOPES
- .. **ALUMINUM 26**

### ALUMINUM 27

- GS CHEMICAL ELEMENTS
- .. ALUMINUM
- .. ALUMINUM ISOTOPES
- .. **ALUMINUM 27**
- .. NUCLIDES
- .. ISOTOPES
- .. ALUMINUM ISOTOPES
- .. **ALUMINUM 27**
- METALS
- .. ALUMINUM
- .. ALUMINUM ISOTOPES
- .. **ALUMINUM 27**

### ALVEOLAR AIR

- GS GASES
- .. GAS MIXTURES
- .. AIR
- .. **ALVEOLAR AIR**
- MIXTURES
- .. SOLUTIONS
- .. GAS MIXTURES
- .. AIR
- .. **ALVEOLAR AIR**
- RT EXHALATION
- .. EXPIRED AIR
- .. LUNGS

### ALVEOLI

- GS ANATOMY
- .. RESPIRATORY SYSTEM
- .. LUNGS
- .. **ALVEOLI**
- RT LUNG MORPHOLOGY
- .. PULMONARY CIRCULATION
- .. PULMONARY FUNCTIONS
- .. RESPIRATION

### AMALGAMS

- USE MERCURY AMALGAMS

### AMALTHEA

- GS CELESTIAL BODIES
- .. NATURAL SATELLITES
- .. JUPITER SATELLITES
- .. **AMALTHEA**
- RT JUPITER (PLANET)
- .. SOLAR SYSTEM

### AMAZON REGION (SOUTH AMERICA)

- GS REGIONS
- .. TROPICAL REGIONS
- .. **AMAZON REGION (SOUTH AMERICA)**
- RT BRAZIL
- .. FORESTS
- .. RIVER BASINS
- .. RIVERS

### AMBERLITE (TRADEMARK)

- RT ASBESTOS
- .. THERMAL INSULATION

### AMBIENCE

- RT ACOUSTIC MEASUREMENT
- .. ENVIRONMENTAL MONITORING
- .. ENVIRONMENTS
- .. NOISE (SOUND)
- .. POLLUTION MONITORING

### AMBIENT TEMPERATURE

- UF ENVIRONMENTAL TEMPERATURE
- GS TEMPERATURE
- .. **AMBIENT TEMPERATURE**
- RT ATMOSPHERIC TEMPERATURE
- .. OPERATING TEMPERATURE

**AMBIENT TEMPERATURE-(CONT.)**

ROOM TEMPERATURE  
SATELLITE TEMPERATURE

**AMBIGUITY**

RT INTELLIGIBILITY  
POSITIONING

**AMBIPOLAR DIFFUSION**

GS DIFFUSION  
RT **AMBIPOLAR DIFFUSION**  
ELECTRON DIFFUSION  
ELECTRON MOBILITY  
IONIC DIFFUSION  
IONIC MOBILITY  
PLASMA DIFFUSION

**AMBIT**

USE FIELD THEORY (PHYSICS)

**AMBULANCES**

RT MEDICAL SERVICES  
∞ MILITARY VEHICLES  
SAFETY DEVICES

**AMERICAN INDIANS**

RT ANTHROPOLOGY  
CULTURE (SOCIAL SCIENCES)  
ETHNIC FACTORS  
MINORITIES  
RACES (ANTHROPOLOGY)

**AMERICIUM**

GS CHEMICAL ELEMENTS  
ACTINIDE SERIES  
TRANSURANIUM ELEMENTS  
AMERICIUM  
AMERICIUM ISOTOPES  
AMERICIUM 241  
NUCLIDES  
ISOTOPES  
RADIOACTIVE ISOTOPES  
TRANSURANIUM ELEMENTS  
AMERICIUM  
AMERICIUM ISOTOPES  
METALS  
ACTINIDE SERIES  
TRANSURANIUM ELEMENTS  
AMERICIUM  
AMERICIUM ISOTOPES  
AMERICIUM 241

**AMERICIUM ISOTOPES**

GS CHEMICAL ELEMENTS  
ACTINIDE SERIES  
TRANSURANIUM ELEMENTS  
AMERICIUM  
AMERICIUM ISOTOPES  
AMERICIUM 241  
NUCLIDES  
ISOTOPES  
RADIOACTIVE ISOTOPES  
TRANSURANIUM ELEMENTS  
AMERICIUM  
AMERICIUM ISOTOPES  
METALS  
ACTINIDE SERIES  
TRANSURANIUM ELEMENTS  
AMERICIUM  
AMERICIUM ISOTOPES  
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**AMERICIUM 241**

GS CHEMICAL ELEMENTS  
ACTINIDE SERIES  
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AMERICIUM  
AMERICIUM ISOTOPES  
AMERICIUM 241  
NUCLIDES  
ISOTOPES  
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AMERICIUM ISOTOPES  
METALS  
ACTINIDE SERIES  
TRANSURANIUM ELEMENTS  
AMERICIUM  
AMERICIUM ISOTOPES  
AMERICIUM 241

**AMIDASE**

GS BIOPOLYMERS

**AMIDASE-(CONT.)**

PROTEINS  
ENZYMES  
AMIDASE  
ORGANIC COMPOUNDS  
PROTEINS  
ENZYMES  
AMIDASE

RT AMINO ACIDS

**AMIDES**

GS NITROGEN COMPOUNDS  
AMIDES  
ACETANILIDE  
ACETAZOLAMIDE  
CARBAMIDES  
CYANAMIDES  
FORMHYDROXAMIC ACID  
LYSERGAMIDE  
NICOTINAMIDE  
OXAMIC ACIDS  
POLYIMIDES  
BISMALEIMIDE  
SUCCINIMIDES  
UREAS  
DIFLUOROUREA  
THIOUREAS  
THIURONIUM

RT IMIDES

**AMINES**

GS AMINES  
AMINOPHYLLINE  
AMPHETAMINES  
METHAMPHETAMINE  
ANILINE  
CATECHOLAMINE  
EPINEPHRINE  
NOREPINEPHRINE  
CYSTEAMINE  
DIAMINES  
ETHYLENEDIAMINE  
GUANIDINES  
GUANETHIDINE  
TRIAMINO GUANIDINIUM AZIDE  
DIFLUOROUREA  
DIMENHYDRINATE  
DIMETHYLHYDRAZINES  
DIPHENYL HYDANTOIN  
ERGOTAMINE  
FLUOROAMINES  
NITROFLUORAMINES  
TRIFLUOROAMINE OXIDE  
GALLAMINE TRIETHIODIDE  
HEXAMETHYLENETETRAMINE  
HISTIDINE  
HYDROXYLAMINE SULFATE  
HYOSCINE  
MECAMYLAMINE  
MELAMINE  
METHYLENE DIAMINE  
MONOETHANOLAMINE (MEA)  
NITROAMINES  
NITROSAMINE  
PROMETHAZINE  
TETRAFLUORO HYDRAZINE  
TETRYL  
THIURONIUM  
TRINITRAMINE  
TRYPTAMINES  
SEROTONIN

RT ∞ ALIPHATIC COMPOUNDS  
HISTAMINES  
HYDRAZINES  
HYDROCARBON FUELS  
IMINES  
LEWIS BASE  
NITROSYLS  
PHENOLIC EPOXY RESINS

**AMINO ACIDS**

GS ACIDS  
AMINO ACIDS  
ALANINE  
PHENYLALANINE  
ASPARTIC ACID  
CYSTEINE  
DOPA  
FOLIC ACID  
GLUTAMIC ACID  
GLUTAMINE  
GLYCINE  
HIPPURIC ACID  
HISTIDINE  
LEUCINE

**AMINO ACIDS-(CONT.)**

NORLEUCINE  
LYSINE  
MELANOIDIN  
METHIONINE  
THYROXINE  
TRYPTOPHAN  
TYROSINE

**ORGANIC COMPOUNDS**

AMINO ACIDS  
ALANINE  
PHENYLALANINE  
ASPARTIC ACID  
CYSTEINE  
DOPA  
FOLIC ACID  
GLUTAMIC ACID  
GLUTAMINE  
GLYCINE  
HIPPURIC ACID  
HISTIDINE  
LEUCINE  
NORLEUCINE  
LYSINE  
MELANOIDIN  
METHIONINE  
THYROXINE  
TRYPTOPHAN  
TYROSINE

RT ADENOSINE TRIPHOSPHATE  
ADRENOCORTICOTROPIN (ACTH)  
AMIDASE  
ASPARTATES  
CYCLIC AMP  
CYSTEAMINE  
LIPIDS  
PEPTIDES  
POLYPEPTIDES  
PROTOPROTEINS  
SYNTHETIC FOOD  
URIDYLIC ACID

**AMINO RADICAL**

GS HYDROGEN COMPOUNDS  
HYDRIDES  
NITROGEN HYDRIDES  
AMINO RADICAL  
NITROGEN COMPOUNDS  
NITROGEN HYDRIDES  
AMINO RADICAL  
RADICALS  
AMINO RADICAL  
AMMONIA  
ANIONS  
FREE RADICALS  
MOLECULAR IONS  
REACTION KINETICS

RT

**AMINOPHYLLINE**

GS AMINES  
AMINOPHYLLINE  
DIURETICS  
AMINOPHYLLINE  
DRUGS  
AMINOPHYLLINE

RT STIMULANTS

**AMMETERS**

GS MEASURING INSTRUMENTS  
AMMETERS  
MICROMILLIAMMETERS  
THERMOELEMENT AMMETERS

RT

COULOMETERS  
ELECTRIC CURRENT  
ELECTRICAL MEASUREMENT  
GALVANOMETERS  
VOLTMETERS

**AMMINES**

RT AMMONIA  
CHEMICAL COMPOUNDS  
COPPER  
INTERMETALLICS  
METAL COMPOUNDS

**AMMONIA**

GS GASES  
AMMONIA  
LIQUID AMMONIA  
INORGANIC COMPOUNDS  
AMMONIA  
LIQUID AMMONIA  
NITROGEN COMPOUNDS  
AMMONIA  
LIQUID AMMONIA

## AMMONIUM BROMIDES

### AMMONIA-(CONT.)

RT ABSORPTION COOLING  
AMINO RADICAL  
AMMINES  
AMMONIUM COMPOUNDS  
AMMONOLYSIS  
ATMOSPHERIC ENERGY SOURCES  
CULTIVATION  
FERTILIZERS  
KJELDAHL METHOD  
NITROGEN HYDRIDES  
REFRIGERANTS

### AMMONIUM BROMIDES

GS AMMONIUM COMPOUNDS  
. AMMONIUM BROMIDES  
HALOGEN COMPOUNDS  
. BROMINE COMPOUNDS  
. BROMIDES  
. . . AMMONIUM BROMIDES  
. HALIDES  
. BROMIDES  
. . . AMMONIUM BROMIDES

### AMMONIUM CHLORIDES

GS AMMONIUM COMPOUNDS  
. AMMONIUM CHLORIDES  
HALOGEN COMPOUNDS  
. CHLORINE COMPOUNDS  
. CHLORIDES  
. . . AMMONIUM CHLORIDES  
. HALIDES  
. CHLORIDES  
. . . AMMONIUM CHLORIDES

### AMMONIUM COMPOUNDS

GS AMMONIUM COMPOUNDS  
. AMMONIUM BROMIDES  
. AMMONIUM CHLORIDES  
. AMMONIUM NITRATES  
. AMMONIUM PERCHLORATES  
. AMMONIUM PHOSPHATES  
. AMMONIUM PICRATES  
. AMMONIUM SULFATES  
. HYDROXYLAMMONIUM PERCHLORATES  
RT AMMONIA  
∞ CHEMICAL COMPOUNDS  
HEXAMETHONIUM

### AMMONIUM NITRATES

GS AMMONIUM COMPOUNDS  
. AMMONIUM NITRATES  
NITROGEN COMPOUNDS  
. NITRATES  
. . . INORGANIC NITRATES  
. . . AMMONIUM NITRATES  
RT CULTIVATION  
FERTILIZERS

### AMMONIUM PERCHLORATES

GS AMMONIUM COMPOUNDS  
. AMMONIUM PERCHLORATES  
HALOGEN COMPOUNDS  
. CHLORINE COMPOUNDS  
. PERCHLORATES  
. . . AMMONIUM PERCHLORATES  
RT SOLID ROCKET PROPELLANTS

### AMMONIUM PHOSPHATES

GS AMMONIUM COMPOUNDS  
. AMMONIUM PHOSPHATES  
PHOSPHORUS COMPOUNDS  
. PHOSPHATES  
. . . AMMONIUM PHOSPHATES

### AMMONIUM PICRATES

GS AMMONIUM COMPOUNDS  
. AMMONIUM PICRATES  
NITROGEN COMPOUNDS  
. NITRO COMPOUNDS  
. . . PICRATES  
. . . AMMONIUM PICRATES  
RT EXPLOSIVES

### AMMONIUM SULFATES

GS AMMONIUM COMPOUNDS  
. AMMONIUM SULFATES  
SULFUR COMPOUNDS  
. SULFATES  
. . . AMMONIUM SULFATES

### AMMONOLYSIS

GS CHEMICAL REACTIONS  
. AMMONOLYSIS

### AMMONOLYSIS-(CONT.)

DECOMPOSITION  
. AMMONOLYSIS  
RT AMMONIA  
CRACKING (CHEMICAL ENGINEERING)  
HYDROLYSIS

### AMMUNITION

GS AMMUNITION  
. INCENDIARY AMMUNITION  
RT BLANKS  
BOMBS (ORDNANCE)  
CASE BONDED PROPELLANTS  
EXPLOSIVE DEVICES  
EXPLOSIVES  
FUSES (ORDNANCE)  
GRENADES  
GUNS (ORDNANCE)  
IGNITERS  
MAGAZINES (SUPPLY CHAMBERS)  
MINES (ORDNANCE)  
MISSILES  
ORDNANCE  
PROJECTILES  
PROPELLANTS  
PYROTECHNICS  
∞ ROCKETS  
SHAPED CHARGES  
∞ SHOT  
TORPEDOES  
∞ TRACERS  
WARHEADS  
WEAPONS

### AMOBARBITAL

GS ACIDS  
. AMOBARBITAL  
RT CENTRAL NERVOUS SYSTEM  
DEPRESSANTS

### AMOEBIA

GS ANIMALS  
. PROTOZOA  
. . . AMOEBIA  
. . . PELOMYXA  
MICROORGANISMS  
. PROTOZOA  
. . . AMOEBIA  
. . . PELOMYXA  
RT PARASITIC DISEASES

### AMOOS

USE AEROMANEUVERING ORBIT TO ORBIT  
SHUTTLE

### AMOR ASTEROID

UF MINOR PLANET 1221  
GS CELESTIAL BODIES  
. ASTEROID BELTS  
. . . ASTEROIDS  
. . . AMOR ASTEROID  
RT ASTRONOMY  
JUPITER (PLANET)  
MARS (PLANET)  
PLANETARY ORBITS  
SOLAR SYSTEM

### AMORPHOUS MATERIALS

GS AMORPHOUS MATERIALS  
. AMORPHOUS SILICON  
RT ASPHALT  
CRYSTALLINITY  
GLASS  
GRAPHOEPIITAXY  
GROUT  
∞ MATERIALS  
SPIN GLASS

### AMORPHOUS SEMICONDUCTORS

GS SEMICONDUCTORS (MATERIALS)  
. AMORPHOUS SEMICONDUCTORS  
. . . AMORPHOUS SILICON  
RT SEMICONDUCTING FILMS

### AMORPHOUS SILICON

GS AMORPHOUS MATERIALS  
. AMORPHOUS SILICON  
CHEMICAL ELEMENTS  
. METALLOIDS  
. . . SILICON  
. . . AMORPHOUS SILICON  
SEMICONDUCTORS (MATERIALS)  
. AMORPHOUS SEMICONDUCTORS  
. . . AMORPHOUS SILICON  
RT PHOTOVOLTAIC CELLS

### AMORPHOUS SILICON-(CONT.)

SEMICONDUCTING FILMS  
SILICON FILMS  
SILICON JUNCTIONS  
SOLAR CELLS  
THIN FILMS

### AMOUNT

UF QUANTITY  
RT ADDITION  
SUMS  
VALUE

### AMPERAGE

USE ELECTRIC CURRENT

### AMPHETAMINES

GS AMINES  
. AMPHETAMINES  
. . . METHAMPHETAMINE  
RT CENTRAL NERVOUS SYSTEM  
STIMULANTS

### AMPHIBIA

GS ANIMALS  
. VERTEBRATES  
. . . AMPHIBIA  
. . . FROGS  
RT POIKILOthermia

### AMPHIBIOUS AIRCRAFT

GS AMPHIBIOUS VEHICLES  
. AMPHIBIOUS AIRCRAFT  
RT ∞ AIRCRAFT  
SEAPLANES  
WATER TAKEOFF AND LANDING  
AIRCRAFT

### AMPHIBIOUS VEHICLES

GS AMPHIBIOUS VEHICLES  
. AMPHIBIOUS AIRCRAFT  
RT BOATS  
∞ MILITARY VEHICLES  
SEAPLANES  
SHIPS  
SURFACE VEHICLES  
∞ VEHICLES  
WATER VEHICLES

### AMPHIBOLES

GS MINERALS  
. AMPHIBOLES  
RT CALCIUM SILICATES  
SILICATES

### AMPHITRITE ASTEROID

GS CELESTIAL BODIES  
. ASTEROID BELTS  
. . . ASTEROIDS  
. . . AMPHITRITE ASTEROID  
RT GALILEO PROJECT

### AMPLIDYNES

GS ELECTRIC GENERATORS  
. ROTATING GENERATORS  
. . . AMPLIDYNES  
RT AMPLIFIERS  
ELECTRIC MOTORS  
POWER AMPLIFIERS  
SERVOMOTORS

### AMPLIFICATION

UF AMPLIFICATION FACTOR  
GAIN (AMPLIFICATION)  
INTENSIFICATION  
GS AMPLIFICATION  
. POWER GAIN  
. . . SOUND AMPLIFICATION  
. . . WAVE AMPLIFICATION  
RT AMPLIFIERS  
AMPLITUDES  
DYNAMIC CHARACTERISTICS  
DYNAMIC RESPONSE  
FLUID AMPLIFIERS  
FLUIDICS  
HIGH GAIN  
MAGNIFICATION  
POSITIVE FEEDBACK  
SENSITIVITY  
STABILITY  
TRANSFER FUNCTIONS  
TRANSIENT RESPONSE

**AMPLIFICATION FACTOR**

USE AMPLIFICATION

**AMPLIFIER DESIGN**

RT AMPLIFIERS  
 COMPUTER AIDED DESIGN  
 ∞ DESIGN  
 LOGIC DESIGN  
 OPERATIONAL AMPLIFIERS  
 PRODUCT DEVELOPMENT  
 TRAVELING WAVE AMPLIFIERS

**AMPLIFIERS**

UF ELECTRONIC AMPLIFIERS  
 GS **AMPLIFIERS**  
 . BEAM PLASMA AMPLIFIERS  
 . BROADBAND AMPLIFIERS  
 . CARCINOTRONS  
 . CURRENT AMPLIFIERS  
 . . PHOTOMULTIPLIER TUBES  
 . . . FREQUENCY MODULATION  
 . . . . PHOTOMULTIPLIERS  
 . DIFFERENTIAL AMPLIFIERS  
 . DISTRIBUTED AMPLIFIERS  
 . FEEDBACK AMPLIFIERS  
 . FLUID AMPLIFIERS  
 . . JET AMPLIFIERS  
 . INTERMEDIATE FREQUENCY  
 . AMPLIFIERS  
 . LIGHT AMPLIFIERS  
 . LIMITER AMPLIFIERS  
 . LINEAR AMPLIFIERS  
 . MAGNETIC AMPLIFIERS  
 . MAGNETOSTATIC AMPLIFIERS  
 . MICROWAVE AMPLIFIERS  
 . . CROSSED FIELD AMPLIFIERS  
 . . CYCLOTRON RESONANCE DEVICES  
 . . PLANOTRONS  
 . OPERATIONAL AMPLIFIERS  
 . PARAMETRIC AMPLIFIERS  
 . POSTAMPLIFIERS  
 . POWER AMPLIFIERS  
 . PREAMPLIFIERS  
 . PUSH-PULL AMPLIFIERS  
 . SERVOAMPLIFIERS  
 . TRANSISTOR AMPLIFIERS  
 . TRAVELING WAVE AMPLIFIERS  
 . VOLTAGE AMPLIFIERS  
 RT AMPLIDYNES  
 AMPLIFICATION  
 AMPLIFIER DESIGN  
 ∞ BOOSTERS  
 CAPACITORS  
 CIRCUITS  
 ∞ ELECTRIC CELLS  
 ELECTRIC CHOPPERS  
 IMAGE INTENSIFIERS  
 INTENSIFIERS  
 KLYSTRONS  
 LASER CAVITIES  
 LASERS  
 LINEAR CIRCUITS  
 MASERS  
 MODULATORS  
 MULTIVIBRATORS  
 OSCILLATORS  
 RECEIVERS  
 REPEATERS  
 SOLID STATE DEVICES  
 STIMULATED EMISSION DEVICES  
 TRANSFORMERS  
 TRAVELING WAVE MASERS

**AMPLITRONS (TRADEMARK)**

USE PLANOTRONS

**AMPLITUDE DISTRIBUTION ANALYSIS**

UF AMPLITUDE PROBABILITY ANALYSIS  
 GS STATISTICAL ANALYSIS  
 . **AMPLITUDE DISTRIBUTION ANALYSIS**  
 RT PHOTOPEAK  
 PULSE AMPLITUDE  
 SIGNAL TO NOISE RATIOS  
 SIGNATURES

**AMPLITUDE MODULATION**

GS CODING  
 . SIGNAL ENCODING  
 . . **AMPLITUDE MODULATION**  
 MODULATION  
 . **AMPLITUDE MODULATION**  
 RT DEMODULATION  
 DEMODULATORS  
 FREQUENCY MODULATION  
 LIGHT MODULATION

**AMPLITUDE MODULATION-(CONT.)**

MODULATORS  
 P.A.C.M. TELEMETRY  
 PHASE MODULATION  
 PULSE MODULATION  
 SINGLE SIDEBAND TRANSMISSION

**AMPLITUDE PROBABILITY ANALYSIS**

USE AMPLITUDE DISTRIBUTION ANALYSIS

**AMPLITUDES**

GS **AMPLITUDES**  
 . PULSE AMPLITUDE  
 . SCATTERING AMPLITUDE  
 RT AMPLIFICATION  
 CYCLES  
 DIMENSIONS  
 DISPLACEMENT  
 FREQUENCIES  
 ∞ INTENSITY  
 LEVEL (QUANTITY)  
 MAGNITUDE  
 OSCILLATIONS  
 PHASE DEVIATION  
 PICOSECOND PULSES  
 PULSES  
 STANDING WAVE RATIOS  
 VIBRATION

**AMPOULES**

RT ∞ CONTAINERS  
 LABORATORY EQUIPMENT  
 VACUUM SYSTEMS

**AMPS (SATELLITE PAYLOAD)**

UF ATMOSPHERIC AND MAGNETOSPHERIC  
 PAYLOAD  
 PLASMAS-IN-SPACE PAYLOAD  
 GS MEASURING INSTRUMENTS  
 . SATELLITE-BORNE INSTRUMENTS  
 . . **AMPS (SATELLITE PAYLOAD)**  
 PAYLOADS  
 . SPACELAB PAYLOADS  
 . . **AMPS (SATELLITE PAYLOAD)**  
 RT INSTRUMENT PACKAGES

**AMPTE (SATELLITES)**

SN (ACTIVE MAGNETOSPHERIC PARTICLE  
 TRACER EXPLORERS)  
 UF ACTIVE MAGNETO PARTICLE TRACER  
 EXPLORERS  
 GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . **AMPTE (SATELLITES)**  
 RT EARTH MAGNETOSPHERE  
 EUROPEAN SPACE PROGRAMS  
 SATELLITE-BORNE INSTRUMENTS  
 SOLAR WIND  
 SPACE PLASMAS  
 SPACEBORNE EXPERIMENTS

**AMTV**

USE AUTOMATED MIXED TRAFFIC VEHICLES

**AN-2 AIRCRAFT**

GS ANTONOV AIRCRAFT  
 . **AN-2 AIRCRAFT**  
 JET AIRCRAFT  
 . **AN-2 AIRCRAFT**  
 MONOPLANES  
 . **AN-2 AIRCRAFT**  
 TRANSPORT AIRCRAFT  
 . **AN-2 AIRCRAFT**  
 RT ∞ AIRCRAFT

**AN-22 AIRCRAFT**

UF ANTHEUS AIRCRAFT  
 ANTONOV AN-22 AIRCRAFT  
 COCK AIRCRAFT  
 GS ANTONOV AIRCRAFT  
 . **AN-22 AIRCRAFT**  
 JET AIRCRAFT  
 . TURBOPROP AIRCRAFT  
 . . **AN-22 AIRCRAFT**  
 MONOPLANES  
 . **AN-22 AIRCRAFT**  
 TRANSPORT AIRCRAFT  
 . **AN-22 AIRCRAFT**  
 RT ∞ AIRCRAFT  
 PASSENGER AIRCRAFT

**AN-24 AIRCRAFT**

UF ANTONOV AN-24 AIRCRAFT  
 COKE AIRCRAFT

**ANALOG TO DIGITAL CONVERTERS****AN-24 AIRCRAFT-(CONT.)**

GS ANTONOV AIRCRAFT  
 . **AN-24 AIRCRAFT**  
 JET AIRCRAFT  
 . TURBOPROP AIRCRAFT  
 . . **AN-24 AIRCRAFT**  
 MONOPLANES  
 . **AN-24 AIRCRAFT**  
 TRANSPORT AIRCRAFT  
 . **AN-24 AIRCRAFT**  
 RT ∞ AIRCRAFT  
 PASSENGER AIRCRAFT

**ANABAENA**

GS PLANTS (BOTANY)  
 . ALGAE  
 . . BLUE GREEN ALGAE  
 . . . **ANABAENA**

**ANAEROBES**

RT AEROBES  
 BACTERIA  
 MICROORGANISMS  
 SEWAGE TREATMENT

**ANALGESIA**

RT ANESTHESIA  
 DRUGS  
 PAIN

**ANALOG CIRCUITS**

GS CIRCUITS  
 . **ANALOG CIRCUITS**  
 RT DATA CONVERTERS  
 OPERATIONAL AMPLIFIERS  
 RHEOELECTRICAL SIMULATION

**ANALOG COMPUTERS**

GS DATA PROCESSING EQUIPMENT  
 . COMPUTERS  
 . . **ANALOG COMPUTERS**  
 . . . EAI 680 COMPUTER  
 . . . HONEYWELL 600/6000 COMPUTER  
 . . . SIGMA 5 COMPUTER  
 . . . UNIVAC 1100 SERIES COMPUTERS  
 RT DIFFERENTIAL AMPLIFIERS  
 DIFFERENTIAL ANALYZERS  
 DIGITAL COMPUTERS  
 DISCRIMINATORS  
 FUNCTIONAL INTEGRATION  
 HYBRID COMPUTERS  
 MISSILE CONTROL  
 OPERATIONAL AMPLIFIERS  
 RESOLVERS  
 SIGNAL ANALYZERS  
 SPECTRAL RESOLUTION

**ANALOG DATA**

RT BINARY DATA  
 ∞ DATA  
 DATA CONVERTERS  
 DATA PROCESSING  
 DIGITAL DATA  
 ∞ MEASUREMENT  
 VIDEO DATA

**ANALOG SIMULATION**

GS MODELS  
 . MATHEMATICAL MODELS  
 . . **ANALOG SIMULATION**  
 SIMULATION  
 . COMPUTERIZED SIMULATION  
 . . **ANALOG SIMULATION**  
 RT COMPUTER SYSTEMS SIMULATION  
 DIGITAL SIMULATION  
 FLIGHT SIMULATION  
 RHEOELECTRICAL SIMULATION  
 SYSTEMS SIMULATION

**ANALOG TO DIGITAL CONVERTERS**

UF DIGITIZERS  
 GS DATA CONVERTERS  
 . **ANALOG TO DIGITAL CONVERTERS**  
 RT CODERS  
 CODING  
 ∞ CONVERTERS  
 DATA ACQUISITION  
 DIGITAL COMPUTERS  
 DIGITAL ELECTRONICS  
 DIGITAL SYSTEMS  
 DIGITAL TO ANALOG CONVERTERS  
 ILLIAC 3 COMPUTER  
 ILLIAC 4 COMPUTER  
 PERIPHERAL EQUIPMENT (COMPUTERS)  
 PLOTTING



## ANALOGIES

### ANALOGIES

UF SIMILARITIES  
GS **ANALOGIES**  
HYDRAULIC ANALOGIES  
RT COMPARISON  
HOMOLOGY  
SIMULATION

### ANALOGS

RT MODELS  
SIMULATORS

### ANALYSIS

USE ANALYZING

### ANALYSIS (MATHEMATICS)

GS **ANALYSIS (MATHEMATICS)**  
APERIODIC FUNCTIONS  
CALCULUS  
CONTINUITY (MATHEMATICS)  
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COSINE SERIES  
FOURIER SERIES  
PADE APPROXIMATION  
POWER SERIES  
TAYLOR SERIES  
MACLAURIN SERIES  
PROGRESSIONS  
PRONY SERIES  
SINE SERIES  
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COMBINATORIAL ANALYSIS  
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SOBOLEV SPACE  
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### ANALYSIS (MATHEMATICS)-(CONT.)

J INTEGRAL  
SINGULAR INTEGRAL EQUATIONS  
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FINITE ELEMENT METHOD  
HARTREE APPROXIMATION  
LEAST SQUARES METHOD  
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MILNE METHOD  
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NEWTON-RAPHSON METHOD  
NUMERICAL DIFFERENTIATION  
OSEN APPROXIMATION  
PADE APPROXIMATION  
PARTICLE IN CELL TECHNIQUE  
POHLHAUSEN METHOD  
PREDICTOR-CORRECTOR METHODS  
RAYLEIGH-RITZ METHOD  
RELAXATION METHOD (MATHEMATICS)  
RITZ AVERAGING METHOD  
SCHWARTZ METHOD  
SOMMERFELD APPROXIMATION  
BOUNDARY INTEGRAL METHOD  
COMPUTATIONAL CHEMISTRY  
COMPUTATIONAL FLUID DYNAMICS  
DIFFERENCE EQUATIONS  
ERROR ANALYSIS  
FINITE VOLUME METHOD  
FLUX VECTOR SPLITTING  
GLIMM METHOD  
GRAEFF CALCULUS  
INTERPOLATION  
ITERATION  
CONJUGATE GRADIENT METHOD  
ITERATIVE SOLUTION  
NEWTON METHODS  
PREDICTOR-CORRECTOR METHODS  
MONTE CARLO METHOD  
NOMOGRAPHS  
NUMERICAL INTEGRATION  
RUNGE-KUTTA METHOD  
TRUNCATION ERRORS  
PFAFF EQUATION  
PHASE-SPACE INTEGRAL  
REAL VARIABLES  
ABEL FUNCTION  
ASYMPTOTES  
BESSEL FUNCTIONS  
HANKEL FUNCTIONS  
BETHE-SALPETER EQUATION  
CALCULUS OF VARIATIONS  
COMPOSITE FUNCTIONS  
DELTA FUNCTION  
DIFFERENTIAL EQUATIONS  
BLASIUS EQUATION  
CHANDRASEKHAR EQUATION  
COSINE SERIES  
DUFFING DIFFERENTIAL EQUATION  
FALKNER-SKAN EQUATION  
HYPERBOLIC DIFFERENTIAL EQUATIONS  
LAME WAVE EQUATIONS  
PARTIAL DIFFERENTIAL EQUATIONS  
BIHARMONIC EQUATIONS  
BURGER EQUATION  
CAUCHY-RIEMANN EQUATIONS  
ELLIPTIC DIFFERENTIAL EQUATIONS  
MONGE-AMPERE EQUATION  
EULER-CAUCHY EQUATIONS  
FOKKER-PLANCK EQUATION  
GAUSS EQUATION  
HELMHOLTZ VORTICITY EQUATION  
LIOUVILLE EQUATIONS  
PARABOLIC DIFFERENTIAL EQUATIONS  
POISSON EQUATION  
VLASOV EQUATIONS  
RICCATI EQUATION

### ANALYSIS (MATHEMATICS)-(CONT.)

VORTICITY EQUATIONS  
HELMHOLTZ VORTICITY EQUATION  
EINSTEIN EQUATIONS  
EXISTENCE THEOREMS  
EXTREMUM VALUES  
LIMITS (MATHEMATICS)  
MAXIMA  
MINIMA  
FOURIER-BESSEL TRANSFORMATIONS  
GREEN'S FUNCTIONS  
HYPERBOLIC FUNCTIONS  
HYPERPLANES  
JACOBI INTEGRAL  
JACOBI MATRIX METHOD  
KERNEL FUNCTIONS  
LIAPUNOV FUNCTIONS  
LINEAR EQUATIONS  
LINEAR EVOLUTION EQUATIONS  
RICCATI EQUATION  
LIPSCHITZ CONDITION  
MEASURE AND INTEGRATION  
BINARY INTEGRATION  
BOREL SETS  
FUNCTIONAL INTEGRATION  
INTEGRAL CALCULUS  
J INTEGRAL  
LEBESGUE THEOREM  
NUMERICAL INTEGRATION  
RUNGE-KUTTA METHOD  
STIELTJES INTEGRAL  
WEIGHTING FUNCTIONS  
NEUMANN PROBLEM  
NONLINEAR EQUATIONS  
CUBIC EQUATIONS  
DUFFING DIFFERENTIAL EQUATION  
MONGE-AMPERE EQUATION  
NONLINEAR EVOLUTION EQUATIONS  
QUADRATIC EQUATIONS  
QUARTIC EQUATIONS  
NUMERICAL DIFFERENTIATION  
PERIODIC FUNCTIONS  
TRIGONOMETRIC FUNCTIONS  
COSINE SERIES  
SINE SERIES  
TANGENTS  
SERIES (MATHEMATICS)  
ASYMPTOTIC SERIES  
CAMPBELL-HAUSDORFF SERIES  
COSINE SERIES  
FOURIER SERIES  
PADE APPROXIMATION  
POWER SERIES  
TAYLOR SERIES  
MACLAURIN SERIES  
PROGRESSIONS  
PRONY SERIES  
SINE SERIES  
STURM-LIOUVILLE THEORY  
VECTOR ANALYSIS  
COLLINEARITY  
COPLANARITY  
CURL (VECTORS)  
VORTICITY  
WEIERSTRASS FUNCTIONS  
WHITTAKER FUNCTIONS

### RT

ALGEBRA  
ANALYZING  
APPLICATIONS OF MATHEMATICS  
DISCONTINUITY  
EQUILIBRIUM EQUATIONS  
GEOMETRY  
MATHEMATICS  
MONOTONE FUNCTIONS  
SPACE  
TREES (MATHEMATICS)  
VECTOR SPACES  
VENN DIAGRAMS

### ANALYSIS OF VARIANCE

GS STATISTICAL ANALYSIS  
VARIANCE (STATISTICS)  
ANALYSIS OF VARIANCE  
RT VARIANCE

### ANALYTIC FUNCTIONS

UF HOLOMORPHISM  
GS ANALYSIS (MATHEMATICS)  
COMPLEX VARIABLES  
ANALYTIC FUNCTIONS  
ENTIRE FUNCTIONS  
FUNCTIONS (MATHEMATICS)  
ANALYTIC FUNCTIONS  
ENTIRE FUNCTIONS

**ANALYTIC FUNCTIONS-(CONT.)**

RT CAUCHY-RIEMANN EQUATIONS  
ISOPERIMETRIC PROBLEM  
NONHOLONOMIC EQUATIONS  
POWER SERIES

**ANALYTIC GEOMETRY**

GS GEOMETRY  
... EUCLIDEAN GEOMETRY  
... **ANALYTIC GEOMETRY**  
... CATENARIES  
... CIRCUMFERENCES  
... CONICS  
... ELLIPSES  
... HYPERBOLAS  
... PARABOLAS  
... CYCLOIDS  
... EPICYCLOIDS  
... LOCI  
... MERCATOR PROJECTION  
... QUADRANTS  
... S CURVES  
... GOMPERTZ CURVES  
... SPHEROIDS  
... OBLATE SPHEROIDS  
... PROLATE SPHEROIDS  
... TANGENTS  
... TORUSES  
... TRIGONOMETRY  
RT ANNULI  
ASYMPTOTES  
CALCULUS  
COORDINATES  
CURVES (GEOMETRY)  
∞ CYLINDERS  
DESCRIPTIVE GEOMETRY  
DIFFERENTIAL GEOMETRY  
POLYTOPES  
PROJECTIVE GEOMETRY

**ANALYTICAL CHEMISTRY**

RT CHEMICAL ANALYSIS  
∞ CHEMISTRY  
INORGANIC CHEMISTRY  
QUALITATIVE ANALYSIS  
QUANTITATIVE ANALYSIS  
VOLUMETRIC ANALYSIS

**ANALYZERS**

SN (EXCLUDES DEVICES FOR PERFORMING  
MATHEMATICAL ANALYSIS)  
GS MEASURING INSTRUMENTS  
... **ANALYZERS**  
... ENGINE ANALYZERS  
... SIGNAL ANALYZERS  
RT CONTROLLERS  
∞ DETECTORS  
MONITORS  
SELECTORS  
∞ TEST EQUIPMENT

**ANALYZING**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
UF ANALYSIS  
RT ACTIVATION ANALYSIS  
ALGEBRA  
ANALYSIS (MATHEMATICS)  
CHEMICAL ANALYSIS  
COMBINATORIAL ANALYSIS  
COST ANALYSIS  
CREEP ANALYSIS  
DESIGN ANALYSIS  
DIAGNOSIS  
DIFFERENTIAL GEOMETRY  
DUALITY PRINCIPLE  
ERROR ANALYSIS  
EVALUATION  
EXAMINATION  
FAILURE ANALYSIS  
FIGURE OF MERIT  
FORECASTING  
MANAGEMENT ANALYSIS  
MULTIVARIATE STATISTICAL ANALYSIS  
NETWORK ANALYSIS  
NUMERICAL ANALYSIS  
PHOTOINTERPRETATION  
POSTFLIGHT ANALYSIS  
PREDICTION ANALYSIS TECHNIQUES  
PREFLIGHT ANALYSIS  
RELIABILITY ANALYSIS  
SIGNAL ANALYSIS  
SIGNATURE ANALYSIS

**ANALYZING-(CONT.)**

SPECTRUM ANALYSIS  
STATISTICAL ANALYSIS  
STRESS ANALYSIS  
STRUCTURAL ANALYSIS  
SYSTEMS ANALYSIS  
TERRAIN ANALYSIS  
THERMAL ANALYSIS  
TRAINING ANALYSIS  
TRAJECTORY ANALYSIS  
WEIGHT ANALYSIS  
X RAY ANALYSIS

**ANAPHYLAXIS**

GS SENSITIVITY  
... **ANAPHYLAXIS**  
RT ALLERGIC DISEASES  
ANTIGENS  
IMMUNOLOGY  
SENSITIZING

**ANASTIGMATISM**

RT OPTOMETRY  
VISION

**ANATASE**

UF OCTAHEDRITE  
GS CHALCOGENIDES  
... OXIDES  
... METAL OXIDES  
... TITANIUM OXIDES  
... **ANATASE**  
MINERALS  
... **ANATASE**  
TITANIUM COMPOUNDS  
... TITANIUM OXIDES  
... **ANATASE**  
RT PIGMENTS  
RUTILE

**ANATOMY**

SN (LIMITED TO ANIMAL ANATOMY)  
GS **ANATOMY**  
... ABDOMEN  
... CHEST  
... CIRCULATORY SYSTEM  
... CARDIOVASCULAR SYSTEM  
... BLOOD VESSELS  
... ARTERIES  
... AORTA  
... CAPILLARIES (ANATOMY)  
... GLOMERULUS  
... VEINS  
... HEART  
... CARDIAC AURICLES  
... CARDIAC VENTRICLES  
... EPICARDIUM  
... MYOCARDIUM  
... DIGESTIVE SYSTEM  
... ESOPHAGUS  
... GASTROINTESTINAL SYSTEM  
... APPENDIX (ANATOMY)  
... INTESTINES  
... RECTUM  
... STOMACH  
... MOUTH  
... PANCREAS  
... SALIVARY GLANDS  
... TEETH  
... TONGUE  
... FACE (ANATOMY)  
... CHIN  
... FOREHEAD  
... MOUTH  
... LIPS (ANATOMY)  
... NOSE (ANATOMY)  
... GENITOURINARY SYSTEM  
... BLADDER  
... KIDNEYS  
... GLOMERULUS  
... REPRODUCTIVE SYSTEMS  
... SEX GLANDS  
... GONADS  
... OVARIES  
... TESTES  
... PROSTATE GLAND  
... UTERUS  
... GLANDS (ANATOMY)  
... ENDOCRINE GLANDS  
... ADRENAL GLAND  
... GONADS  
... OVARIES  
... TESTES  
... HYPOTHALAMUS  
... PANCREAS

**ANATOMY-(CONT.)**

... PARATHYROID GLAND  
... PINEAL GLAND  
... PITUITARY GLAND  
... THYMUS GLAND  
... THYROID GLAND  
... MAMMARY GLANDS  
... SALIVARY GLANDS  
... SEBACEOUS GLANDS  
... SEX GLANDS  
... GONADS  
... OVARIES  
... TESTES  
... PROSTATE GLAND  
HEAD (ANATOMY)  
... SKULL  
... CRANIUM  
... INTRACRANIAL CAVITY  
... MASTOIDS  
... HUMAN BODY  
... LIMBS (ANATOMY)  
... ARM (ANATOMY)  
... ELBOW (ANATOMY)  
... FOREARM  
... HAND (ANATOMY)  
... FINGERS  
... LEG (ANATOMY)  
... FEET (ANATOMY)  
... KNEE (ANATOMY)  
... LIVER  
... LUMBAR REGION  
... MUSCULOSKELETAL SYSTEM  
... BONES  
... FEMUR  
... PELVIS  
... SCAPULA  
... SKULL  
... CRANIUM  
... INTRACRANIAL CAVITY  
... MASTOIDS  
... SPINE  
... VERTEBRAE  
... STERNUM  
... TIBIA  
... ULNA  
... CONNECTIVE TISSUE  
... BONE MARROW  
... CARTILAGE  
... COLLAGENS  
... JOINTS (ANATOMY)  
... ELBOW (ANATOMY)  
... KNEE (ANATOMY)  
... WRIST  
... MUSCLES  
... CONSTRICTORS  
... FLEXORS  
... TENDONS  
... NECK (ANATOMY)  
... NERVOUS SYSTEM  
... AFFERENT NERVOUS SYSTEMS  
... AUTONOMIC NERVOUS SYSTEM  
... SYMPATHETIC NERVOUS SYSTEM  
... CENTRAL NERVOUS SYSTEM  
... BRAIN  
... BRAIN STEM  
... CEREBELLUM  
... CEREBRAL VENTRICLES  
... CEREBRUM  
... CEREBRAL CORTEX  
... OCCIPITAL LOBES  
... DIENTENCEPHALON  
... HYPOTHALAMUS  
... PINEAL GLAND  
... THALAMUS  
... HIPPOCAMPUS  
... SPINAL CORD  
... EFFERENT NERVOUS SYSTEMS  
... NERVES  
... GANGLIA  
... OCULOMOTOR NERVES  
... PERIPHERAL NERVOUS SYSTEM  
... PERITONEUM  
... PLEURAE  
... RESPIRATORY SYSTEM  
... BRONCHI  
... DIAPHRAGM (ANATOMY)  
... LARYNX  
... GLOTTIS  
... VOCAL CORDS  
... LUNGS  
... ALVEOLI  
... NOSE (ANATOMY)  
... PARANASAL SINUSES  
... PHARYNX  
... TRACHEA  
... SCIATIC REGION

## ANCHORS (FASTENERS)

### ANATOMY-(CONT.)

. SENSE ORGANS  
 . . BARORECEPTORS  
 . . CHEMORECEPTORS  
 . . EAR  
 . . . EARDRUMS  
 . . . EUSTACHIAN TUBES  
 . . . LABYRINTH  
 . . . COCHLEA  
 . . . . CORTI ORGAN  
 . . . . OTOLITH ORGANS  
 . . . SEMICIRCULAR CANALS  
 . . . VESTIBULES  
 . . . MIDDLE EAR  
 . . EYE (ANATOMY)  
 . . . CHOROID MEMBRANES  
 . . . CONJUNCTIVA  
 . . . CORNEA  
 . . . OCULOMOTOR NERVES  
 . . . PUPILS  
 . . . RETINA  
 . . . FOVEA  
 . . GRAVIRECEPTORS  
 . . . OTOLITH ORGANS  
 . . . MECHANORECEPTORS  
 . . . PHOTORECEPTORS  
 . . . PROPRIOCEPTORS  
 . . . THERMORECEPTORS  
 . . SKIN (ANATOMY)  
 . . EPIDERMIS  
 . . SPLEEN  
 . . THIGH  
 . . THORAX  
 . . TORSO  
 RT APPENDAGES  
 BIFURCATION (BIOLOGY)  
 BIODYNAMICS  
 ∞ BIOLOGY  
 CELLS (BIOLOGY)  
 ∞ DIFFERENTIATION  
 DIFFERENTIATION (BIOLOGY)  
 DORSAL SECTIONS  
 EPITHELIUM  
 EXOSKELETONS  
 HEPATITIS  
 MORPHOLOGY  
 ORGANS  
 POSTERIOR SECTIONS  
 TISSUES (BIOLOGY)  
 VESTIBULAR NYSTAGMUS  
 VISCERA

### ANCHORS (FASTENERS)

GS FASTENERS  
 RT ∞ BANDS  
 BOLTS  
 BRACKETS  
 CLIPS  
 COUPLINGS  
 GUY WIRES  
 HOLDERS  
 MOORING  
 NUTS (FASTENERS)  
 SCREWS  
 STRAPS  
 STUDS (STRUCTURAL MEMBERS)  
 TETHERLINES

### ANDES MOUNTAINS (SOUTH AMERICA)

GS LANDFORMS  
 . MOUNTAINS  
 . . ANDES MOUNTAINS (SOUTH AMERICA)  
 RT SOUTH AMERICA

### ANDESITE

GS ALUMINUM COMPOUNDS  
 . ALUMINUM SILICATES  
 . . ANDESITE  
 ROCKS  
 . ANDESITE  
 SILICON COMPOUNDS  
 . SILICATES  
 . . ALUMINUM SILICATES  
 . . . ANDESITE  
 RT FELDSPARS  
 IGNEOUS ROCKS  
 MINERALS  
 SOILS

### ANDORRA

GS NATIONS  
 . ANDORRA  
 RT EUROPE

### ANDORRA-(CONT.)

FRANCE  
 PYRENEES MOUNTAINS (EUROPE)  
 SPAIN

### ∞ ANDROMEDA

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT ANDROMEDA CONSTELLATION  
 ANDROMEDA GALAXY

### ANDROMEDA CONSTELLATION

GS CONSTELLATIONS  
 ANDROMEDA CONSTELLATION  
 RT ∞ ANDROMEDA  
 ANDROMEDA GALAXY

### ANDROMEDA GALAXY

GS CELESTIAL BODIES  
 . GALAXIES  
 . . GALACTIC CLUSTERS  
 . . . LOCAL GROUP (ASTRONOMY)  
 . . . . ANDROMEDA GALAXY  
 RT ∞ ANDROMEDA  
 ANDROMEDA CONSTELLATION  
 DISK GALAXIES  
 SPIRAL GALAXIES

### ANECHOIC CHAMBERS

GS COMPARTMENTS  
 . TEST CHAMBERS  
 . . ANECHOIC CHAMBERS  
 TEST FACILITIES  
 . ANECHOIC CHAMBERS  
 RT ACOUSTIC ATTENUATION  
 ACOUSTIC MEASUREMENT  
 ACOUSTICS  
 ∞ CHAMBERS  
 ZERO SOUND

### ANELASTICITY

GS MECHANICAL PROPERTIES  
 . ELASTIC PROPERTIES  
 . . ANELASTICITY  
 RT CREEP PROPERTIES  
 INTERNAL FRICTION  
 MODULUS OF ELASTICITY  
 STRESS RELAXATION

### ANEMIAS

GS DISEASES  
 . ANEMIAS  
 RT BLOOD  
 BLOOD CELLS  
 HEMATOCRIT RATIO  
 HEMOGLOBIN  
 ISCHEMIA  
 OCCUPATIONAL DISEASES

### ANEMOMETERS

GS MEASURING INSTRUMENTS  
 . ANEMOMETERS  
 . . DRAG FORCE ANEMOMETERS  
 . . . HOT-FILM ANEMOMETERS  
 . . . HOT-WIRE ANEMOMETERS  
 . . . LASER ANEMOMETERS  
 . . . SONIC ANEMOMETERS  
 RT AIRCRAFT INSTRUMENTS  
 FLOW MEASUREMENT  
 METEOROLOGICAL INSTRUMENTS  
 SPEED INDICATORS  
 VELOCITY MEASUREMENT  
 WIND (METEOROLOGY)  
 WIND MEASUREMENT  
 WIND VANES  
 WIND VELOCITY  
 WIND VELOCITY MEASUREMENT

### ANEMOMETRY

USE VELOCITY MEASUREMENT

### ANESTHESIA

GS ANESTHESIA  
 . ELECTROANESTHESIA  
 RT ANALGESIA  
 HYPNOSIS  
 SENSORY PERCEPTION  
 UNCONSCIOUSNESS

### ANESTHESIOLOGY

GS MEDICAL SCIENCE  
 . ANESTHESIOLOGY  
 RT CHLOROFORM

### ANESTHESIOLOGY-(CONT.)

CLINICAL MEDICINE  
 DEPRESSANTS  
 DIAGNOSIS  
 DRUGS  
 PHARMACOLOGY

### ANESTHETICS

GS DRUGS  
 . ANESTHETICS  
 . . CHLOROFORM  
 . . CYCLOPROPANE  
 . . METHYL CHLORIDE  
 . . NOVOCAIN  
 RT ETHERS

### ANGELS (RADAR)

GS ECHOES  
 . RADAR ECHOES  
 . . ANGELS (RADAR)  
 RT GLINT  
 RADAR CROSS SECTIONS  
 RADIO ECHOES

### ANGINA PECTORIS

GS DISEASES  
 . HEART DISEASES  
 . . ANGINA PECTORIS  
 RT ANOXIA  
 ARTERIOSCLEROSIS  
 CORONARY ARTERY DISEASE  
 EMOTIONAL FACTORS  
 HEART FUNCTION  
 HEART RATE  
 MYOCARDIUM  
 PHYSICAL EXERCISE  
 STRESS (PHYSIOLOGY)

### ANGIOGRAPHY

GS IMAGERY  
 . RADIOGRAPHY  
 . . ANGIOGRAPHY  
 RT BRAIN  
 CARDIOLOGY  
 CARDIOVASCULAR SYSTEM

### ANGIOSPERMS

RT GRAINS (FOOD)  
 NUTS (FRUITS)  
 PLANTS (BOTANY)  
 VEGETABLES

### ANGLE OF ATTACK

GS GEOMETRY  
 . EUCLIDEAN GEOMETRY  
 . . ANGLES (GEOMETRY)  
 . . . ANGLE OF ATTACK  
 . . . . ZERO ANGLE OF ATTACK  
 RT AERODYNAMIC CHARACTERISTICS  
 AERODYNAMIC STALLING  
 BOUNDARY LAYER SEPARATION  
 LIFT  
 SWEEP ANGLE

### ANGLES (GEOMETRY)

GS GEOMETRY  
 . EUCLIDEAN GEOMETRY  
 . . ANGLES (GEOMETRY)  
 . . . ANGLE OF ATTACK  
 . . . . ZERO ANGLE OF ATTACK  
 . . . BRAGG ANGLE  
 . . . BREWSTER ANGLE  
 . . . DIHEDRAL ANGLE  
 . . . ELEVATION ANGLE  
 . . . LOOK ANGLES (ELECTRONICS)  
 . . . LOOK ANGLES (TRACKING)  
 . . . SWEEP ANGLE  
 . . . . SWEEPBACK  
 . . . . . LEADING EDGE SWEEP  
 RT ANGULAR RESOLUTION  
 APSIDES  
 AZIMUTH  
 COMPLEMENTS (MATHEMATICS)  
 CORNERS  
 ELONGATION  
 GONIOMETERS  
 ∞ GRADE  
 GRADIENTS  
 GRAZING INCIDENCE  
 INCIDENCE  
 OBLIQUENESS  
 PHASE SHIFT  
 PHOTO GONIOMETERS  
 PITCH (INCLINATION)  
 ∞ PROFILES

**ANGLES (GEOMETRY)-(CONT.)**

PROTRACTORS  
 RECIPROCAL THEOREMS  
 SLOPES  
 TRIANGULATION  
 TRIGONOMETRY

**ANGOLA**

GS NATIONS  
 . **ANGOLA**  
 RT AFRICA

**ANGULAR ACCELERATION**

GS RATES (PER TIME)  
 . ACCELERATION (PHYSICS)  
 . **ANGULAR ACCELERATION**  
 RT  $\infty$  ACCELERATION  
 CENTRIFUGAL FORCE  
 CENTRIPETAL FORCE  
 DECELERATION  
 ROTATION  
 SPIN REDUCTION  
 TRANSVERSE ACCELERATION  
 YO-YO DEVICES

**ANGULAR CORRELATION**

GS CORRELATION  
 . **ANGULAR CORRELATION**  
 RT DATA CORRELATION  
 MATTS (SYSTEMS)  
 VIEW EFFECTS

**ANGULAR DISTRIBUTION**

GS DISTRIBUTION (PROPERTY)  
 . **ANGULAR DISTRIBUTION**  
 RT ELECTRON DENSITY PROFILES  
 ELEMENTARY PARTICLE INTERACTIONS  
 FLUX DENSITY  
 FORCE DISTRIBUTION  
 MASS DISTRIBUTION  
 MOMENT DISTRIBUTION  
 NUCLEAR SCATTERING  
 STAR DISTRIBUTION

**ANGULAR MOMENTUM**

GS MOMENTUM  
 . **ANGULAR MOMENTUM**  
 RT CLASSICAL MECHANICS  
 CLEBSCH-GORDAN COEFFICIENTS  
 ELECTRON SPIN  
 KINETICS  
 MOMENTS OF INERTIA  
 PARTICLE SPIN  
 QUANTUM NUMBERS  
 QUANTUM THEORY  
 QUENCHING (ATOMIC PHYSICS)  
 RACAH COEFFICIENT  
 REGGE POLES  
 SPIN  
 SPIN TESTS  
 STELLAR ROTATION  
 WIGNER COEFFICIENT

**ANGULAR MOTION**

USE ANGULAR VELOCITY

**ANGULAR RESOLUTION**

GS RESOLUTION  
 . **ANGULAR RESOLUTION**  
 RT ACCURACY  
 ANGLES (GEOMETRY)  
 HIGH RESOLUTION  
 $\infty$  OPTICS  
 RADAR RESOLUTION

**ANGULAR VELOCITY**

UF ANGULAR MOTION  
 GS RATES (PER TIME)  
 . **ANGULAR VELOCITY**  
 VELOCITY  
 . **ANGULAR VELOCITY**  
 RT GYRATION  
 ORBITAL VELOCITY  
 REVOLVING  
 ROTATION  
 ROTOR SPEED  
 SAGNAC EFFECT  
 TACHOMETERS  
 TIP SPEED

**ANHYDRIDES**

GS CHALCOGENIDES  
 . OXIDES  
 . **ANHYDRIDES**

**ANHYDRIDES-(CONT.)**

. . . PEROXIDES  
 . . . INORGANIC PEROXIDES  
 . . . ORGANIC PEROXIDES  
 . . . SODIUM PEROXIDES  
 RT ACIDS  
 BASES (CHEMICAL)

**ANIK A**

USE ANIK 1

**ANIK B**

USE ANIK 2

**ANIK C**

USE ANIK 3

**ANIK SATELLITES**

GS ARTIFICIAL SATELLITES  
 . SYNCHRONOUS SATELLITES  
 . **ANIK SATELLITES**  
 . . . ANIK 1  
 . . . ANIK 2  
 . . . ANIK 3  
 CANADIAN SPACECRAFT  
 . **ANIK SATELLITES**  
 . . . ANIK 1  
 . . . ANIK 2  
 . . . ANIK 3  
 RT CANADIAN SPACE PROGRAM  
 DELTA LAUNCH VEHICLE  
 INTERNATIONAL COOPERATION

**ANIK 1**

UF ANIK A  
 TELESAT CANADA A  
 GS ARTIFICIAL SATELLITES  
 . SYNCHRONOUS SATELLITES  
 . . ANIK SATELLITES  
 . . . **ANIK 1**  
 CANADIAN SPACECRAFT  
 . ANIK SATELLITES  
 . . **ANIK 1**  
 RT CANADA  
 CANADIAN SPACE PROGRAM  
 DELTA LAUNCH VEHICLE  
 INTERNATIONAL COOPERATION

**ANIK 2**

UF ANIK B  
 TELESAT CANADA B  
 GS ARTIFICIAL SATELLITES  
 . SYNCHRONOUS SATELLITES  
 . . ANIK SATELLITES  
 . . . **ANIK 2**  
 CANADIAN SPACECRAFT  
 . ANIK SATELLITES  
 . . **ANIK 2**  
 RT CANADA  
 CANADIAN SPACE PROGRAM  
 DELTA LAUNCH VEHICLE  
 INTERNATIONAL COOPERATION

**ANIK 3**

UF ANIK C  
 TELESAT CANADA C  
 GS ARTIFICIAL SATELLITES  
 . SYNCHRONOUS SATELLITES  
 . . ANIK SATELLITES  
 . . . **ANIK 3**  
 CANADIAN SPACECRAFT  
 . ANIK SATELLITES  
 . . **ANIK 3**  
 RT CANADA  
 CANADIAN SPACE PROGRAM  
 INTERNATIONAL COOPERATION

**ANILINE**

GS AMINES  
 . **ANILINE**  
 RT DYES

**ANIMALS**

UF FAUNA  
 METAZOA  
 GS **ANIMALS**  
 . HOMEOTHERMS  
 . INVERTEBRATES  
 . . ARTHROPODS  
 . . . ARTEMIA  
 . . . CRABS  
 . . . INSECTS  
 . . . BEES

**ANIMALS-(CONT.)**

. . . BOLLWORMS  
 . . . CHIRONOMUS FLIES  
 . . . COCKROACHES  
 . . . COLEOPTERA  
 . . . BEETLES  
 . . . TRIBOLIA  
 . . . BOLL WEEVILS  
 . . . CRICKETS  
 . . . DROSOPHILA  
 . . . FIREFLIES  
 . . . GRASSHOPPERS  
 . . . LOCUSTS  
 . . . MOTHS  
 . . . SILKWORMS  
 . . . SPIDERS  
 . . . MOLLUSKS  
 . . . CEPHALOPODS  
 . . . OCTOPUSES  
 . . . SNAILS  
 . . . ROTIFERA  
 . . . SEA URCHINS  
 . . . WORMS  
 . . . FLATWORMS  
 . . . LIVESTOCK  
 . . . POIKILOthermia  
 . . . PROTOZOA  
 . . . AMOEBA  
 . . . PELOMYXA  
 . . . FLAGELLATA  
 . . . EUGLENA  
 . . . TRYPANOSOME  
 . . . PARAMECIA  
 . . . VERTEBRATES  
 . . . AMPHIBIA  
 . . . FROGS  
 . . . BIRDS  
 . . . CHICKENS  
 . . . PIGEONS  
 . . . TURKEYS  
 . . . WATERFOWL  
 . . . FISHES  
 . . . SCHOOLS (FISH)  
 . . . SHARKS  
 . . . MAMMALS  
 . . . BATS  
 . . . BEARS  
 . . . CATS  
 . . . CATTLE  
 . . . CALVES  
 . . . DEER  
 . . . CARIBOUS  
 . . . DOGS  
 . . . GOATS  
 . . . HORSES  
 . . . MARINE MAMMALS  
 . . . DOLPHINS  
 . . . MANATEES  
 . . . PORPOISES  
 . . . SEALS (ANIMALS)  
 . . . WHALES  
 . . . MOLES  
 . . . PRIMATES  
 . . . APES  
 . . . CHIMPANZEES  
 . . . BABOONS  
 . . . HUMAN BEINGS  
 . . . MONKEYS  
 . . . RODENTS  
 . . . GUINEA PIGS  
 . . . HAMSTERS  
 . . . MICE  
 . . . JERBOAS  
 . . . POCKET MICE  
 . . . RABBITS  
 . . . RATS  
 . . . SQUIRRELS  
 . . . GROUND SQUIRRELS  
 . . . SHEEP  
 . . . SHREWS  
 . . . SWINE  
 . . . WOLVES  
 . . . REPTILES  
 . . . LIZARDS  
 . . . SNAKES  
 . . . TURTLES  
 . . . WILDLIFE  
 . . . ZOOPLANKTON  
 RT  $\infty$  BIOLOGY  
 BIOMASS  
 CARBON CYCLE  
 CENSUS  
 ENDANGERED SPECIES  
 FOOD CHAIN  
 GRAZING  
 HABITATS

## ANIMATION

### ANIMALS-(CONT.)

HETEROTROPHS  
LARVAE  
MICROORGANISMS  
ORGANISMS  
PARASITES  
PLANKTON  
PLANTS (BOTANY)  
PREDATORS  
VIABILITY  
WILDLIFE RADIOLOCATION  
∞ ZOOLOGY

### ANIMATION

GS ARTS  
. GRAPHIC ARTS  
. . . **ANIMATION**  
. . . . COMPUTER ANIMATION  
RT CINEMATOGRAPHY  
MOTION PICTURES

### ANIONS

GS IONS  
. NEGATIVE IONS  
. . . **ANIONS**  
RT AMINO RADICAL  
ANODES  
CATIONS  
CELL ANODES  
ELECTRODE MATERIALS  
ELECTRON AFFINITY  
IONIC MOBILITY

### ANISOLE

GS ETHERS  
. **ANISOLE**  
ORGANIC COMPOUNDS  
. CYCLIC COMPOUNDS  
. . . HETEROCYCLIC COMPOUNDS  
. . . **ANISOLE**

### ANISOTROPIC FLUIDS

GS MEDIA  
. ANISOTROPIC MEDIA  
. . . **ANISOTROPIC FLUIDS**  
RT ANISOTROPY  
∞ FLUIDS  
INVARIANT IMBEDDINGS  
ISOTROPY  
LIQUID CRYSTALS  
NEWTONIAN FLUIDS

### ANISOTROPIC MEDIA

GS MEDIA  
. **ANISOTROPIC MEDIA**  
. . . ANISOTROPIC FLUIDS  
RT ANISOTROPY  
BIREFRINGENCE  
BIREFRINGENT COATINGS  
HOMOGENEITY  
ISOTROPIC MEDIA  
∞ MATERIALS  
POLARIZATION (WAVES)

### ANISOTROPIC PLATES

UF NONISOTROPIC PLATES  
GS STRUCTURAL MEMBERS  
. PLATES (STRUCTURAL MEMBERS)  
. . . **ANISOTROPIC PLATES**  
RT CANTILEVER PLATES  
END PLATES  
PERFORATED PLATES  
REINFORCED PLATES

### ANISOTROPIC SHELLS

GS SHELLS (STRUCTURAL FORMS)  
. **ANISOTROPIC SHELLS**  
RT CORRUGATED SHELLS  
ELASTIC SHELLS  
REINFORCED SHELLS

### ANISOTROPY

UF NONISOTROPY  
ONISOTROPY  
PHOTOTHERMOTROPISM  
THERMOTROPISM  
GS **ANISOTROPY**  
. PLASTIC ANISOTROPY  
. . . ELASTIC ANISOTROPY  
RT AEOLOTROPISM  
ANISOTROPIC FLUIDS  
ANISOTROPIC MEDIA  
BIREFRINGENCE  
CRYSTAL STRUCTURE  
CRYSTALS

### ANISOTROPY-(CONT.)

DIRECTIVITY  
ISOTROPY  
MECHANICAL PROPERTIES  
METALLOGRAPHY  
POLARIZATION (SPIN ALIGNMENT)  
POLARIZATION (WAVES)  
SPATIAL DISTRIBUTION

### ANNA HURRICANE

GS STORMS  
. STORMS (METEOROLOGY)  
. . . CYCLONES  
. . . . HURRICANES  
. . . . **ANNA HURRICANE**  
. . . . TROPICAL STORMS  
. . . . HURRICANES  
. . . . **ANNA HURRICANE**

### ANNA SATELLITES

GS ARTIFICIAL SATELLITES  
. GEODETIC SATELLITES  
. . . **ANNA SATELLITES**  
RT EXPLORER 29 SATELLITE  
EXPLORER 36 SATELLITE  
GEOS 1 SATELLITE  
GEOS 2 SATELLITE  
GEOS 3 SATELLITE

### ANNEALING

GS HEAT TREATMENT  
. **ANNEALING**  
. . . LASER ANNEALING  
. . . PULSE HEATING  
RT GRAPHITIZATION  
HARDENING (MATERIALS)  
HEATING  
NORMALIZING (HEAT TREATMENT)  
RECRYSTALLIZATION  
SOFTENING  
STRESS RELIEVING  
TEMPERING

### ANNIHILATION REACTIONS

GS **ANNIHILATION REACTIONS**  
. POSITRON ANNIHILATION  
RT ANTIPARTICLES  
HIGH ENERGY INTERACTIONS  
PHOTONS  
PROTON-PROTON REACTIONS

### ANNOTATIONS

RT ABSTRACTS  
INFORMATION  
SUMMARIES

### ANNUAL VARIATIONS

UF SEASONAL VARIATIONS  
GS VARIATIONS  
. PERIODIC VARIATIONS  
. . . **ANNUAL VARIATIONS**  
RT ATMOSPHERIC CIRCULATION  
BROWN WAVE EFFECT  
CYCLES  
GREEN WAVE EFFECT  
MAGNETIC VARIATIONS  
METEOROLOGICAL PARAMETERS  
METEOROLOGY  
MONSOONS  
SEASONS  
TEMPORAL DISTRIBUTION  
WEATHER  
WIND VARIATIONS  
ZONAL FLOW (METEOROLOGY)

### ANNUAL CORE PULSE REACTORS

GS NUCLEAR REACTORS  
. **ANNUAL CORE PULSE REACTORS**  
RT ∞ NUCLEAR ENERGY  
NUCLEAR FUEL ELEMENTS  
NUCLEAR FUELS  
REACTOR CORES  
REACTOR DESIGN  
REACTOR MATERIALS  
REACTOR PHYSICS  
REACTOR SAFETY  
REACTOR TECHNOLOGY  
∞ REACTORS

### ANNULAR DUCTS

GS DUCTS  
. **ANNULAR DUCTS**  
RT AIR DUCTS  
DUCT GEOMETRY  
DUCTED BODIES

### ANNULAR DUCTS-(CONT.)

FLUID FLOW  
INTAKE SYSTEMS  
NOSE INLETS  
OPENINGS  
ORIFICES  
VENTS

### ANNULAR FLOW

GS FLUID FLOW  
. AXISYMMETRIC FLOW  
. . . **ANNULAR FLOW**  
RT ANNULI  
AXIAL FLOW  
CHANNEL FLOW  
COAXIAL FLOW  
COUETTE FLOW  
∞ FLOW  
FLOW GEOMETRY  
HEAT TRANSMISSION  
NOZZLE FLOW  
ONE DIMENSIONAL FLOW  
TURBULENT FLOW

### ANNULAR NOZZLES

RT ANNULI  
COAXIAL FLOW  
CONICAL NOZZLES  
EXHAUST NOZZLES  
INLET NOZZLES  
∞ NOZZLES  
PLUG NOZZLES  
ROCKET NOZZLES  
SHROUDED NOZZLES  
SPRAY NOZZLES

### ANNULAR PLATES

GS STRUCTURAL MEMBERS  
. PLATES (STRUCTURAL MEMBERS)  
. . . **ANNULAR PLATES**  
RT ANNULI  
CIRCULAR PLATES  
FLAT PLATES

### ANNULAR SUSPENSION AND POINTING SYSTEM

GS FLIGHT CONTROL  
. POINTING CONTROL SYSTEMS  
. . . **ANNULAR SUSPENSION AND POINTING SYSTEM**  
RT MAGNETIC SUSPENSION  
PAYLOADS  
SPACE SHUTTLES  
SPACE TRANSPORTATION SYSTEM  
SPACELAB  
SPACELAB PAYLOADS  
∞ SYSTEMS

### ANNULI

RT ANALYTIC GEOMETRY  
ANNULAR FLOW  
ANNULAR NOZZLES  
ANNULAR PLATES  
FLOW MEASUREMENT  
∞ RINGS

### ANODES

GS ELECTRODES  
. **ANODES**  
. . . CELL ANODES  
. . . SHELL ANODES  
. . . TUBE ANODES  
RT ACCUMULATORS  
ANIONS  
CATHODES  
ELECTRODE MATERIALS  
MULTI-ANODE MICROCHANNEL ARRAYS

### ANODIC COATINGS

GS COATINGS  
. INORGANIC COATINGS  
. . . **ANODIC COATINGS**  
. . . PROTECTIVE COATINGS  
. . . **ANODIC COATINGS**  
RT ANODIZING  
CATHODIC COATINGS  
ELECTRODE MATERIALS  
OXIDES

### ANODIC STRIPPING

RT CLADDING  
COATING  
DELAMINATING  
METAL COATINGS  
PLATING  
REMOVAL

## ANODIC STRIPPING-(CONT.)

∞ STRIPPING

### ANODIZING

GS COATING  
 . ANODIZING  
 DEPOSITION  
 . ANODIZING  
 RT ANODIC COATINGS  
 PASSIVITY  
 PROTECTIVE COATINGS

### ANOLYTES

GS CONDUCTORS  
 . ELECTROLYTES  
 . ANOLYTES  
 RT CATHOLYTES  
 CELL ANODES

### ANOMALIES

GS ANOMALIES  
 . GEOTHERMAL ANOMALIES  
 . GRAVITY ANOMALIES  
 . MAGNETIC ANOMALIES  
 . GEOMAGNETIC HOLLOW  
 RT ANOMALOUS TEMPERATURE ZONES  
 SOUTHERN OSCILLATION

### ANOMALOUS TEMPERATURE ZONES

RT ANOMALIES  
 GEYSERS  
 TEMPERATURE MEASUREMENT  
 TEMPERATURE MEASURING  
 INSTRUMENTS  
 TEMPERATURE SCALES  
 TEMPERATURE SENSORS

### ANORTHOSITE

GS ROCKS  
 . IGNEOUS ROCKS  
 . ANORTHOSITE  
 RT FELDSPARS  
 GABBRO  
 SOILS

### ANOXIA

RT ANGINA PECTORIS  
 ASPHYXIA  
 HYPOXIA  
 STRESS (PHYSIOLOGY)

### ANS

USE ASTRONOMICAL NETHERLANDS  
 SATELLITE

### ANTARCTIC ENVIRONMENT

USE ICE ENVIRONMENTS

### ANTARCTIC OCEAN

GS OCEANS  
 . ANANTARCTIC OCEAN  
 RT ANTARCTIC REGIONS

### ANTARCTIC REGIONS

UF ANTARCTICA  
 GS REGIONS  
 . POLAR REGIONS  
 . ANANTARCTIC REGIONS  
 . . MCMURDO SOUND  
 . . ROSS ICE SHELF  
 . REMOTE REGIONS  
 . ANANTARCTIC REGIONS  
 SOUTHERN HEMISPHERE  
 . ANANTARCTIC REGIONS  
 . MCMURDO SOUND  
 . . ROSS ICE SHELF  
 RT ANTARCTIC OCEAN  
 CLIMATOLOGY  
 CONTINENTS  
 LAND ICE  
 POLAR CAPS

### ANTARCTICA

USE ANTARCTIC REGIONS

### ANTARES ROCKET VEHICLE

GS ROCKET VEHICLES  
 . MULTISTAGE ROCKET VEHICLES  
 . . ANANTARES ROCKET VEHICLE  
 . . SOUNDING ROCKETS  
 . . ANANTARES ROCKET VEHICLE  
 RT ATMOSPHERIC IONIZATION  
 SOLID PROPELLANT ROCKET ENGINES  
 X-254 ENGINE

### ANTELOPE MISSILE

GS MISSILES  
 . ANTELOPE MISSILE

### ANTENNA ARRAYS

GS ARRAYS  
 . ANTEENNA ARRAYS  
 . . LINEAR ARRAYS  
 . . . ENDFIRE ARRAYS  
 . . . YAGI ANTENNAS  
 . . STEERABLE ANTENNAS  
 . . INERTIALESS STEERABLE  
 ANTENNAS  
 . . TURNSTILE ANTENNAS  
 RT ANTENNAS  
 COBRA DANE (RADAR)  
 DIPOLE ANTENNAS  
 DIRECTIONAL ANTENNAS  
 LOG PERIODIC ANTENNAS  
 MICROWAVE ANTENNAS  
 PHASED ARRAYS  
 RETROREFLECTION  
 SPACE BASED RADAR  
 VERY LARGE ARRAY (VLA)  
 VERY LONG BASELINE ARRAY (VLBA)

### ANTENNA COMPONENTS

GS ANTEENNA COMPONENTS  
 . ANTENNA COUPLERS  
 . . DIPLEXERS  
 . . DIRECTIONAL COUPLERS  
 . ANTENNA FEEDS  
 RT COMMUNICATION EQUIPMENT  
 ∞ COMPONENTS  
 COUPLERS  
 ELECTRONIC EQUIPMENT  
 ∞ SPINNERS

### ANTENNA COUPLERS

GS ANTENNA COMPONENTS  
 . ANTEENNA COUPLERS  
 . . DIPLEXERS  
 . . DIRECTIONAL COUPLERS  
 COUPLERS  
 . ANTEENNA COUPLERS  
 . . DIPLEXERS  
 . . DIRECTIONAL COUPLERS  
 RT ANTENNAS  
 COUPLES  
 COUPLING  
 COUPLING CIRCUITS  
 ENERGY TRANSFER  
 IMPEDANCE MATCHING  
 MICROWAVE COUPLING  
 TRANSMISSION LINES

### ANTENNA DESIGN

RT ANTENNAS  
 BACKLOBES  
 CASSEGRAIN ANTENNAS  
 DELTA ANTENNAS  
 ∞ DESIGN  
 DIPOLE ANTENNAS  
 GRAVITATIONAL WAVE ANTENNAS  
 GREGORIAN ANTENNAS  
 HELICAL ANTENNAS  
 HORN ANTENNAS  
 LENS ANTENNAS  
 ∞ LOBES  
 LOG PERIODIC ANTENNAS  
 MAYPOLE ANTENNAS  
 MICROSTRIP ANTENNAS  
 MONOPOLE ANTENNAS  
 PARABOLIC ANTENNAS  
 PENCIL BEAMS  
 PLASMA ANTENNAS  
 PRODUCT DEVELOPMENT  
 RHOMBIC ANTENNAS  
 SIDELOBES  
 SLOT ANTENNAS  
 SPACE TECHNOLOGY EXPERIMENTS  
 SPIRAL ANTENNAS  
 YAGI ANTENNAS

### ANTENNA FEEDS

GS ANTENNA COMPONENTS  
 . ANTEENNA FEEDS  
 RT GREGORIAN ANTENNAS  
 REFLECTOR ANTENNAS  
 STRIP TRANSMISSION LINES  
 TRANSMISSION LINES  
 WAVEGUIDES

### ANTENNA FIELDS

USE ANTENNA RADIATION PATTERNS

### ANTENNA RADIATION PATTERNS

UF ANTENNA FIELDS  
 GS DISTRIBUTION (PROPERTY)  
 . RADIATION DISTRIBUTION  
 . . ANTEENNA RADIATION PATTERNS  
 . . . SIDELOBES  
 RT ANTENNAS  
 BACKFIRE ANTENNAS  
 BACKLOBES  
 CYLINDRICAL ANTENNAS  
 DIRECTIONAL ANTENNAS  
 ∞ FANS  
 FAR FIELDS  
 FIELD THEORY (PHYSICS)  
 FOOTPRINTS  
 FRESNEL REGION  
 GREGORIAN ANTENNAS  
 ∞ LOBES  
 NEAR FIELDS  
 PENCIL BEAMS  
 PLASMA ANTENNAS  
 ∞ RADIATION  
 REFLECTOR ANTENNAS  
 ROSETTE SHAPES  
 SCHELKUNOFF PRINCIPLE  
 SOMMERFELD APPROXIMATION  
 SUPPORT INTERFERENCE  
 SYNTHETIC ARRAYS

### ANTENNAS

GS ANTENNAS  
 . AIRCRAFT ANTENNAS  
 . BACKFIRE ANTENNAS  
 . CASSEGRAIN ANTENNAS  
 . CYLINDRICAL ANTENNAS  
 . DELTA ANTENNAS  
 . DIRECTIONAL ANTENNAS  
 . . DIPOLE ANTENNAS  
 . . HELICAL ANTENNAS  
 . . HORN ANTENNAS  
 . . LENS ANTENNAS  
 . . LOG PERIODIC ANTENNAS  
 . . LOOP ANTENNAS  
 . . RADAR ANTENNAS  
 . . RADANT  
 . . REFLECTOR ANTENNAS  
 . . PARABOLIC ANTENNAS  
 . . TWO REFLECTOR ANTENNAS  
 . . RHOMBIC ANTENNAS  
 . . SLOT ANTENNAS  
 . . STEERABLE ANTENNAS  
 . . INERTIALESS STEERABLE  
 ANTENNAS  
 . . YAGI ANTENNAS  
 . . FURLABLE ANTENNAS  
 . . GRAVITATIONAL WAVE ANTENNAS  
 . . HOOP COLUMN ANTENNAS  
 . . MICROSTRIP ANTENNAS  
 . . MISSILE ANTENNAS  
 . . MONOPULSE ANTENNAS  
 . . MULTIPLE BEAM INTERVAL SCANNERS  
 . . OMNIDIRECTIONAL ANTENNAS  
 . . MONOPOLE ANTENNAS  
 . . WHIP ANTENNAS  
 . . TURNSTILE ANTENNAS  
 . . PLASMA ANTENNAS  
 . . RADIO ANTENNAS  
 . . MICROWAVE ANTENNAS  
 . . . HORN ANTENNAS  
 . . . LENS ANTENNAS  
 . . . SPACETENNAS  
 . . SATELLITE ANTENNAS  
 . . SCHWARZSCHILD ANTENNAS  
 . . SPACECRAFT ANTENNAS  
 . . SPHERICAL ANTENNAS  
 . . SPIRAL ANTENNAS  
 . . LOG SPIRAL ANTENNAS  
 . . WAVEGUIDE ANTENNAS  
 . . HORN ANTENNAS  
 RT ANTENNA ARRAYS  
 ANTENNA COUPLERS  
 ANTENNA DESIGN  
 ANTENNA RADIATION PATTERNS  
 ARRAYS  
 CONDUCTORS  
 CORNERS  
 CURRENT SHEETS  
 ELECTROMAGNETIC RADIATION  
 FOLDING STRUCTURES  
 GREGORIAN ANTENNAS  
 NEAR FIELDS  
 RADIATION HARDENING  
 ∞ RADIATORS  
 RADIO EQUIPMENT  
 RADIO TELESCOPES  
 REFLECTORS

## ANTHEUS AIRCRAFT

### ANTENNAS-(CONT.)

SLEWING  
SPACE TECHNOLOGY EXPERIMENTS  
TELECOMMUNICATION  
TELESCOPES  
TOWERS  
TRANSMITTERS

### ANTHEUS AIRCRAFT

USE AN-22 AIRCRAFT

### ANTHRACENE

GS ORGANIC COMPOUNDS  
CYCLIC COMPOUNDS  
CYCLIC HYDROCARBONS  
ANTHRACENE  
HYDROCARBONS  
CYCLIC HYDROCARBONS  
ANTHRACENE  
RT ANTHRAQUINONES  
PHENANTHRENE

### ANTHRACITE

UF HARD COAL  
GS RESOURCES  
EARTH RESOURCES  
FOSSIL FUELS  
COAL  
ANTHRACITE  
ROCKS  
SEDIMENTARY ROCKS  
CARBONACEOUS ROCKS  
COAL  
ANTHRACITE  
RT MINERAL EXPLORATION  
MINING

### ANTHRAQUINONES

GS KETONES  
ANTHRAQUINONES  
RT ANTHRACENE  
DYES

### ANTHROPOLOGY

RT ABORIGINES  
AMERICAN INDIANS  
ANTHROPOMETRY  
ARCHAEOLOGY  
ARTIFACTS  
CASE HISTORIES  
CITIES  
CULTURE (SOCIAL SCIENCES)  
ESKIMOS  
HUMAN BEINGS  
MINORITIES  
MUSEUMS  
RACE FACTORS  
RACES (ANTHROPOLOGY)  
SCIENCE  
SOCIAL FACTORS  
SOCIOLOGY

### ANTHROPOMETRY

GS BIOENGINEERING  
BIOMETRICS  
BODY MEASUREMENT (BIOLOGY)  
ANTHROPOMETRY  
RT ANTHROPOLOGY  
BODY SIZE (BIOLOGY)  
ENGINEERING  
HUMAN FACTORS ENGINEERING

### ANTIADRENERGICS

GS DRUGS  
ANTIADRENERGICS  
RT ADRENERGICS

### ANTIAIRCRAFT MISSILES

GS MISSILES  
ANTIAIRCRAFT MISSILES  
BOMARC MISSILES  
FALCON MISSILE  
MAULER MISSILE  
NIKE-AJAX MISSILE  
NIKE-HERCULES MISSILE  
REDEYE MISSILE  
SIAM MISSILES  
SIDEWINDER MISSILES  
TARTAR MISSILE  
TERRIER MISSILE  
RT AIR TO AIR MISSILES  
ANTIMISSILE MISSILES  
NIKE MISSILES  
RAMJET MISSILES  
SURFACE TO AIR MISSILES

### ANTIBIOTICS

GS DRUGS  
ANTIBIOTICS  
ACTINOMYCIN  
PENICILLIN  
PLEUROTIN  
STREPTOMYCIN  
TETRACYCLINES  
RT ANTIINFECTIVES AND ANTIBACTERIALS  
MICROORGANISMS  
STEROIDS

### ANTIBODIES

GS ANTIBODIES  
GAMMA GLOBULIN  
RT ANTISERUMS  
BIOCOMPATIBILITY  
IMMUNE SYSTEMS  
IMMUNOLOGY  
INOCULUM  
PHYSIOLOGICAL DEFENSES  
VACCINES

### ANTICHOLINERGICS

UF CHOLINERGIC BLOCKING AGENTS  
GS DRUGS  
CHOLINERGICS  
ANTICHOLINERGICS  
RT CURARE

### ANTICLINES

UF ANTICLINORIA  
RT DOMES (GEOLOGY)  
GEOSYNCLINES  
LAYERS  
STRATA  
STRATIFICATION  
STRATIGRAPHY  
SYNCLINES

### ANTICLINORIA

USE ANTICLINES

### ANTICOAGULANTS

RT ADRENERGICS  
AGENTS  
HEPARINS  
PRESERVATIVES  
STABILIZERS (AGENTS)

### ANTICONVULSANTS

GS DRUGS  
ANTICONVULSANTS  
RT HEXAMETHONIUM

### ANTICYCLONES

RT AIR MASSES  
ATMOSPHERIC PRESSURE  
CYCLONES  
HIGH PRESSURE  
METEOROLOGY  
SYNOPTIC METEOROLOGY

### ANTIIDIURETICS

GS DRUGS  
ANTIIDIURETICS  
RT URINE

### ANTIDOTES

GS DRUGS  
ANTIDOTES  
RT INHIBITORS

### ANTIEMETICS AND ANTINAUSEANTS

GS DRUGS  
ANTIEMETICS AND ANTINAUSEANTS  
RT NAUSEA

### ANTIFERROELECTRICITY

GS ELECTRICAL PROPERTIES  
ANTIFERROELECTRICITY  
RT DIELECTRIC PROPERTIES  
FERROELECTRICITY  
HYSTERESIS  
POLARIZATION

### ANTIFERROMAGNETISM

GS MAGNETIC PROPERTIES  
ANTIFERROMAGNETISM  
RT FERROMAGNETISM  
HYSTERESIS  
ISING MODEL  
MAGNETIC SWITCHING  
MAGNONS

### ANTIFERROMAGNETISM-(CONT.)

NEEL TEMPERATURE  
PARAMAGNETISM

### ANTIFOULING

GS FOULING  
ANTIFOULING  
RT AGENTS  
CLEANING  
CONTAMINATION  
CORROSION PREVENTION  
INHIBITORS  
STERILIZATION

### ANTIFREEZES

GS ADDITIVES  
ANTIFREEZES  
RT ANTICING ADDITIVES  
FREEZING

### ANTIFRICTION BEARINGS

GS BEARINGS  
ANTIFRICTION BEARINGS  
BALL BEARINGS  
ROLLER BEARINGS  
RT FRICTION REDUCTION  
GAS BEARINGS  
JOURNAL BEARINGS  
NEEDLE BEARINGS  
ROLLING CONTACT LOADS  
THRUST BEARINGS

### ANTIGENS

RT ANAPHYLAXIS  
BIOCOMPATIBILITY  
IMMUNE SYSTEMS  
IMMUNOASSAY  
IMMUNOLOGY  
INOCULUM  
PHYSIOLOGICAL DEFENSES  
RADIOIMMUNOASSAY  
RHESUS FACTOR  
VACCINES

### ANTIGRAVITY

RT GRAVITATION  
REDUCED GRAVITY

### ANTIISTAMINICS

GS DRUGS  
ANTIISTAMINICS  
DIMENHYDRINATE  
DIPHENYL HYDANTOIN  
PROMETHAZINE  
RT DECONGESTANTS  
HISTAMINES

### ANTIHYPERTENSIVE AGENTS

GS DRUGS  
ANTIHYPERTENSIVE AGENTS  
RT RESERPINE

### ANTICING ADDITIVES

GS ADDITIVES  
ANTICING ADDITIVES  
RT ANTIFREEZES  
DEICERS  
DEICING  
FUEL CONTAMINATION  
ICE PREVENTION  
INHIBITORS  
PROPELLANT ADDITIVES  
RETARDANTS

### ANTIINFECTIVES AND ANTIBACTERIALS

GS DRUGS  
ANTIINFECTIVES AND  
ANTIBACTERIALS  
RT ANTIBIOTICS  
ANTISEPTICS  
BACTERICIDES  
CONTAMINATION  
FUNGICIDES

### ANTIKNOCK ADDITIVES

GS ADDITIVES  
ANTIKNOCK ADDITIVES  
RT AUTOMOBILE FUELS  
GASOLINE  
OCTANE  
OCTANES  
RETARDANTS

**ANTIMATTER**

- GS **ANTIMATTER**
  - . ANTIPARTICLES
  - . ANTINEUTRINOS
  - . ANTINUCLEONS
  - . ANTIPROTONS
  - . POSITRONS
- RT DEGENERATE MATTER
- MATTER (PHYSICS)

**ANTIMISSILE DEFENSE**

- SN (PROTECTION AGAINST MISSILE ATTACK)
- GS AIR DEFENSE
  - . **ANTIMISSILE DEFENSE**
- RT ANTIRADIATION MISSILES
- CIVIL DEFENSE
  - ∞ DEFENSE
  - DEFENSE INDUSTRY
  - DEFENSE PROGRAM
  - MILITARY TECHNOLOGY
  - MISSILE DEFENSE
  - MISSILES
  - OPTICAL COUNTERMEASURES
  - SAFEGUARD SYSTEM
  - SENTINEL SYSTEM
  - SPACE SURVEILLANCE (GROUND BASED)
  - SPACE SURVEILLANCE (SPACEBORNE)

**ANTIMISSILE MISSILES**

- GS MISSILES
  - . **ANTIMISSILE MISSILES**
  - . MAULER MISSILE
  - . NIKE-ZEUS MISSILE
  - . SPARTAN MISSILE
  - . SPRINT MISSILE
- RT ANTIAIRCRAFT MISSILES
- BALLISTIC MISSILES
- INFRARED TRACKING
- MISSILE DEFENSE
- NIKE MISSILES
- NIKE X SYSTEMS
- SENTINEL SYSTEM
- SIAM MISSILES
- SPACE WEAPONS
- SURFACE TO AIR MISSILES

**ANTIMISTING FUELS**

- GS FUELS
  - . CHEMICAL FUELS
  - . LIQUID FUELS
  - . **ANTIMISTING FUELS**
- RT ADDITIVES
- AIRCRAFT FUELS
- FLAME RETARDANTS
- JET ENGINE FUELS
- KEROSENE

**ANTIMONIDES**

- GS ANTIMONY COMPOUNDS
  - . **ANTIMONIDES**
  - . ALUMINUM ANTIMONIDES
  - . CADMIUM ANTIMONIDES
  - . CESIUM ANTIMONIDES
  - . GALLIUM ANTIMONIDES
  - . GERMANIUM ANTIMONIDES
  - . INDIUM ANTIMONIDES
  - . ZINC ANTIMONIDES

**ANTIMONY**

- GS CHEMICAL ELEMENTS
  - . METALLOIDS
  - . **ANTIMONY**
- RT METALS

**ANTIMONY ALLOYS**

- GS ALLOYS
  - . **ANTIMONY ALLOYS**
  - . BABBITT METAL
- RT BISMUTH ALLOYS
- MULBERRY (ALLOY)

**ANTIMONY COMPOUNDS**

- GS **ANTIMONY COMPOUNDS**
  - . ANTIMONIDES
  - . ALUMINUM ANTIMONIDES
  - . CADMIUM ANTIMONIDES
  - . CESIUM ANTIMONIDES
  - . GALLIUM ANTIMONIDES
  - . GERMANIUM ANTIMONIDES
  - . INDIUM ANTIMONIDES
  - . ZINC ANTIMONIDES
  - . ANTIMONY FLUORIDES
- RT ∞ CHEMICAL COMPOUNDS

**ANTIMONY COMPOUNDS-(CONT.)**

- ∞ GROUP 5A COMPOUNDS
- ∞ METAL COMPOUNDS

**ANTIMONY FLUORIDES**

- GS ANTIMONY COMPOUNDS
  - . **ANTIMONY FLUORIDES**
  - . HALOGEN COMPOUNDS
  - . FLUORINE COMPOUNDS
  - . FLUORIDES
  - . **ANTIMONY FLUORIDES**
  - . HALIDES
  - . FLUORIDES
  - . **ANTIMONY FLUORIDES**

**ANTIMONY ISOTOPES**

- GS CHEMICAL ELEMENTS
  - . METALLOIDS
  - . **ANTIMONY ISOTOPES**
  - . NUCLIDES
  - . ISOTOPES
  - . **ANTIMONY ISOTOPES**
  - . METALS
  - . **ANTIMONY ISOTOPES**

**ANTINEUTRINOS**

- GS ANTIMATTER
  - . ANTIPARTICLES
  - . **ANTINEUTRINOS**
- PARTICLES
  - . ELEMENTARY PARTICLES
  - . ANTIPARTICLES
  - . **ANTINEUTRINOS**
  - . FERMIONS
  - . LEPTONS
  - . **ANTINEUTRINOS**
  - . NUCLEAR PARTICLES
  - . ANTIPARTICLES
  - . **ANTINEUTRINOS**
- RT CHARGED PARTICLES
- NEUTRINOS

**ANTINODES**

- RT NODES (STANDING WAVES)
- RAREFACTION
- RESONANT FREQUENCIES
- STANDING WAVES
- VIBRATION
- WAVELENGTHS

**ANTINUCLEONS**

- GS ANTIMATTER
  - . ANTIPARTICLES
  - . **ANTINUCLEONS**
- PARTICLES
  - . ELEMENTARY PARTICLES
  - . ANTIPARTICLES
  - . **ANTINUCLEONS**
  - . NUCLEAR PARTICLES
  - . ANTIPARTICLES
  - . **ANTINUCLEONS**
- RT NUCLEONS

**ANTIOXIDANTS**

- GS ADDITIVES
  - . **ANTIOXIDANTS**
- RT ∞ AGENTS
  - CORROSION PREVENTION
  - CORROSION RESISTANCE
  - INHIBITORS
  - PRESERVATIVES
  - PROPELLANT ADDITIVES
  - RETARDANTS
  - STABILIZERS (AGENTS)

**ANTIPARTICLES**

- GS ANTIMATTER
  - . **ANTIPARTICLES**
  - . ANTINEUTRINOS
  - . ANTINUCLEONS
  - . ANTIPROTONS
  - . POSITRONS
- PARTICLES
  - . ELEMENTARY PARTICLES
  - . **ANTIPARTICLES**
  - . ANTINEUTRINOS
  - . ANTINUCLEONS
  - . ANTIPROTONS
  - . POSITRONS
  - . NUCLEAR PARTICLES
  - . **ANTIPARTICLES**
  - . ANTINEUTRINOS
  - . ANTINUCLEONS
  - . ANTIPROTONS
  - . POSITRONS

**ANTIPARTICLES-(CONT.)**

- RT ANNIHILATION REACTIONS
- CHARGED PARTICLES
- HYPERONS
- POMERANCHUK THEOREM
- POSITRON ANNIHILATION

**ANTIPODES**

- RT APSIDES
- IONOSPHERIC PROPAGATION
- PROPAGATION MODES
- RADIO TRANSMISSION
- ZENITH

**ANTIPROTONS**

- GS ANTIMATTER
  - . ANTIPARTICLES
  - . **ANTIPROTONS**
- PARTICLES
  - . CHARGED PARTICLES
  - . **ANTIPROTONS**
  - . ELEMENTARY PARTICLES
  - . ANTIPARTICLES
  - . **ANTIPROTONS**
  - . NUCLEAR PARTICLES
  - . ANTIPARTICLES
  - . **ANTIPROTONS**
- RT PROTONS

**ANTIQUITIES**

- RT ARTIFACTS
- TOOLS
- WEAPONS

**ANTIRADAR COATINGS**

- GS ABSORBERS (MATERIALS)
  - . RADAR ABSORBERS
  - . **ANTIRADAR COATINGS**
- COATINGS
  - . **ANTIRADAR COATINGS**
  - . COUNTERMEASURES
  - . ELECTRONIC COUNTERMEASURES
  - . **ANTIRADAR COATINGS**
- RT ELECTRONIC WARFARE
- INORGANIC COATINGS
- METAL COATINGS
- PLASTIC COATINGS
- ∞ RAM

**ANTIRADIATION DRUGS**

- UF RADIOPROTECTIVE AGENTS
- GS DRUGS
  - . **ANTIRADIATION DRUGS**
  - . CYSTEAMINE
- RT NUCLEAR MEDICINE
- PHARMACOLOGY
- RADIATION PROTECTION
- RADIATION SICKNESS
- RADIOBIOLOGY
- RADIOPATHOLOGY

**ANTIRADIATION MISSILES**

- GS MISSILES
  - . **ANTIRADIATION MISSILES**
- RT AIR DEFENSE
- ANTIMISSILE DEFENSE
- COUNTERMEASURES
- DIGITAL RADAR SYSTEMS
- MILITARY TECHNOLOGY
- MISSILE DEFENSE
- REMOTE CONTROL

**ANTIREFLECTION COATINGS**

- GS COATINGS
  - . **ANTIREFLECTION COATINGS**
- RT LENS DESIGN
- OPTICAL REFLECTION
- OPTICAL THICKNESS
- SOLAR CELLS

**ANTISEPTICS**

- UF DISINFECTANTS
- RT ACRIFLAVINE
- ANTIINFECTIVES AND ANTIBACTERIALS
- BACTERICIDES
- CHEMICAL STERILIZATION
- CHEMOTHERAPY
- CLEANING
- DECONTAMINATION
- ENVIRONMENTAL CONTROL
- FUMIGATION
- INFECTIOUS DISEASES
- PURIFICATION
- STERILIZATION



## ANTISERUMS

### ANTISERUMS

RT ANTIBODIES  
IMMUNOLOGY  
SERUMS  
VACCINES

### ANTISHIP MISSILES

GS MISSILES  
. ANTISHIP MISSILES  
RT CRUISE MISSILES  
SEA LAUNCHING  
SHIPS  
SUBMARINES  
WEAPON SYSTEMS

### ANTISHIP WARFARE

GS WARFARE  
. ANTISHIP WARFARE  
RT MISSILES  
SEA LAUNCHING  
SHIPS  
SUBMARINES  
WARHEADS  
WEAPONS

### ANTISKID DEVICES

RT AIRCRAFT BRAKES  
ARRESTING GEAR  
AUTOMOBILES  
BRAKES (FOR ARRESTING MOTION)  
∞ DEVICES  
LANDING AIDS  
SAFETY DEVICES  
TRUCKS  
WHEEL BRAKES

### ANTISTATIC DEVICES

USE STATIC DISCHARGERS

### ANTISUBMARINE WARFARE

GS WARFARE  
. ANTISUBMARINE WARFARE  
RT ASROC ENGINE  
MILITARY TECHNOLOGY  
SONOBUOYS  
SUBMARINES  
TORPEDOES  
UNDERWATER EXPLOSIONS  
UNDERWATER TRAJECTORIES

### ANTISUBMARINE WARFARE AIRCRAFT

GS ANTISUBMARINE WARFARE AIRCRAFT  
. BREGUET 1150 AIRCRAFT  
. CL-84 AIRCRAFT  
. P-3 AIRCRAFT  
. S-3 AIRCRAFT  
. SH-3 HELICOPTER  
. SH-4 HELICOPTER  
RT ∞ AIRCRAFT  
ATTACK AIRCRAFT  
BOMBER AIRCRAFT  
DRONE AIRCRAFT  
H-25 HELICOPTER  
∞ MILITARY AIRCRAFT  
OBSERVATION AIRCRAFT  
P-531 HELICOPTER  
RECONNAISSANCE AIRCRAFT  
S-61 HELICOPTER  
SUBMERSIBLE AIRCRAFT  
V/STOL AIRCRAFT  
WATER TAKEOFF AND LANDING  
AIRCRAFT

### ANTISYMMETRY

RT ASYMMETRY  
SYMMETRY

### ANTITANK MISSILES

GS MISSILES  
. SURFACE TO SURFACE MISSILES  
. ANTITANK MISSILES  
. SHILLELAGH MISSILES  
. TOW MISSILES

### ANTONOV AIRCRAFT

GS ANTONOV AIRCRAFT  
. AN-2 AIRCRAFT  
. AN-22 AIRCRAFT  
. AN-24 AIRCRAFT  
RT ∞ AIRCRAFT

### ANTONOV AN-22 AIRCRAFT

USE AN-22 AIRCRAFT

### ANTONOV AN-24 AIRCRAFT

USE AN-24 AIRCRAFT

### ANVIL CLOUDS

GS CLOUDS (METEOROLOGY)  
. CONVECTION CLOUDS  
. CUMULONIMBUS CLOUDS  
. ANVIL CLOUDS  
. CUMULUS CLOUDS  
. ANVIL CLOUDS  
RT ATMOSPHERIC MOISTURE  
CLIMATOLOGY  
CLOUD COVER  
FOG  
METEOROLOGY  
NEPHANALYSIS  
PRECIPITATION (METEOROLOGY)  
THUNDERSTORMS  
WEATHER

### ANVILS

RT COMPRESSING  
TOOLS

### ANXIETY

RT DETACHMENT  
FEAR  
PHOBIAS  
TAYLOR MANIFEST ANXIETY SCALE

### AO-1 AIRCRAFT

USE OV-1 AIRCRAFT

### AOIPS

USE ATMOSPHERIC & OCEANOGRAPHIC  
INFORM SYS

### AORTA

GS ANATOMY  
. CIRCULATORY SYSTEM  
. CARDIOVASCULAR SYSTEM  
. BLOOD VESSELS  
. ARTERIES  
. AORTA  
RT HEART

### AOSO

UF ADVANCED ORBITING SOLAR  
OBSERVATORY  
GS OBSERVATORIES  
. ASTRONOMICAL OBSERVATORIES  
. ASTRONOMICAL SATELLITES  
. OSO  
. AOSO  
. SOLAR OBSERVATORIES  
. OSO  
. AOSO  
RT SUN

### APACHE ROCKET VEHICLE

GS ROCKET VEHICLES  
. SOUNDING ROCKETS  
. APACHE ROCKET VEHICLE  
RT SONDES

### APATITES

USE CALCIUM PHOSPHATES  
MINERALS

### APERIODIC FUNCTIONS

GS ANALYSIS (MATHEMATICS)  
. APERIODIC FUNCTIONS  
FUNCTIONS (MATHEMATICS)  
. APERIODIC FUNCTIONS  
RT COMPLEX VARIABLES  
REAL VARIABLES

### APERTURES

GS OPENINGS  
. APERTURES  
. IRISES (MECHANICAL APERTURES)  
. SYNTHETIC APERTURES  
RT BOUNDARY ELEMENT METHOD  
CAVITIES  
DOORS  
GATES (OPENINGS)  
INFRARED WINDOWS  
LOUVERS  
ORIFICES  
OUTLETS  
PINHOLE CAMERAS  
PORTS (OPENINGS)  
SLITS  
SYNTHETIC ARRAYS

### APERTURES-(CONT.)

VENTS  
WINDOWS (APERTURES)

### APES

GS ANIMALS  
. VERTEBRATES  
. MAMMALS  
. PRIMATES  
. APES  
. CHIMPANZEES

### APEXES

UF VERTICES  
RT ALTITUDE  
APHELIONS  
APOGEES  
MAXIMA  
ORBITS  
∞ PEAKS  
PLATEAUS  
TRAJECTORIES  
ZENITH

### APHELIONS

GS APSIDES  
. APHELIONS  
ORBITS  
. ELLIPTICAL ORBITS  
. APHELIONS  
. SOLAR ORBITS  
. APHELIONS  
RT APEXES  
PERIHELIONS

### APL (PROGRAMMING LANGUAGE)

GS LANGUAGES  
. PROGRAMMING LANGUAGES  
. APL (PROGRAMMING LANGUAGE)  
RT COMPUTER PROGRAMMING

### APNEA

USE RESPIRATION

### APOGEE BOOST MOTORS

UF ABM  
GS ENGINES  
. ROCKET ENGINES  
. BOOSTER ROCKET ENGINES  
. APOGEE BOOST MOTORS  
. SOLID PROPELLANT ROCKET  
ENGINES  
. APOGEE BOOST MOTORS  
RT ∞ BOOSTERS  
MOTORS

### APOGEES

GS APSIDES  
. APOGEES  
ORBITS  
. EARTH ORBITS  
. APOGEES  
. ELLIPTICAL ORBITS  
. APOGEES  
RT APEXES  
PERIGEEES

### APOLLO APPLICATIONS PROGRAM

GS PROGRAMS  
. NASA PROGRAMS  
. NASA SPACE PROGRAMS  
. APOLLO APPLICATIONS PROGRAM  
. SPACE PROGRAMS  
. NASA SPACE PROGRAMS  
. APOLLO APPLICATIONS PROGRAM  
RT AAP 1 MISSION  
AAP 2 MISSION  
AAP 3 MISSION  
AAP 4 MISSION  
AIRLOCK MODULES  
EARTH RESOURCES PROGRAM  
EARTH RESOURCES SURVEY PROGRAM  
SATURN PROJECT  
SATURN WORKSHOPS  
SATURN 1 WORKSHOP  
SATURN 5 WORKSHOP  
SKYLAB PROGRAM

### APOLLO ASTEROIDS

GS CELESTIAL BODIES  
. ASTEROID BELTS  
. ASTEROIDS  
. APOLLO ASTEROIDS  
RT ASTRONOMY

# APOLLO 11 FLIGHT

## APOLLO ASTEROIDS-(CONT.)

CHIRON  
EARTH ORBITS  
JUPITER (PLANET)  
MARS (PLANET)  
PLANETARY ORBITS  
SOLAR SYSTEM

## APOLLO EXTENSION SYSTEM

RT EXOBIOLOGY  
EXTRAVEHICULAR ACTIVITY  
LUNAR LANDING MODULES  
MANNED SPACE FLIGHT  
NASA PROGRAMS  
ORBITAL WORKSHOPS  
∞ SYSTEMS

## APOLLO FLIGHTS

GS SPACE FLIGHT  
. MANNED SPACE FLIGHT  
. . . APOLLO FLIGHTS  
. . . . APOLLO 5 FLIGHT  
. . . . APOLLO 6 FLIGHT  
. . . . APOLLO 7 FLIGHT  
. . . . APOLLO 8 FLIGHT  
. . . . APOLLO 9 FLIGHT  
. . . . APOLLO 10 FLIGHT  
. . . . APOLLO 11 FLIGHT  
. . . . APOLLO 12 FLIGHT  
. . . . APOLLO 13 FLIGHT  
. . . . APOLLO 14 FLIGHT  
. . . . APOLLO 15 FLIGHT  
. . . . APOLLO 16 FLIGHT  
. . . . APOLLO 17 FLIGHT  
RT SKYLAB PROGRAM

## APOLLO LUNAR EXPERIMENT MODULE

GS LUNAR SPACECRAFT  
. APOLLO SPACECRAFT  
. . . APOLLO LUNAR EXPERIMENT  
MODULE  
. LUNAR LANDING MODULES  
. . LUNAR MODULE  
. . . APOLLO LUNAR EXPERIMENT  
MODULE  
MANEUVERABLE SPACECRAFT  
. APOLLO SPACECRAFT  
. . . APOLLO LUNAR EXPERIMENT  
MODULE  
MANNED SPACECRAFT  
. APOLLO SPACECRAFT  
. . . APOLLO LUNAR EXPERIMENT  
MODULE  
. LUNAR MODULE  
. . . APOLLO LUNAR EXPERIMENT  
MODULE  
REENTRY VEHICLES  
. RECOVERABLE SPACECRAFT  
. . APOLLO SPACECRAFT  
. . . APOLLO LUNAR EXPERIMENT  
MODULE  
SOFT LANDING SPACECRAFT  
. APOLLO SPACECRAFT  
. . . APOLLO LUNAR EXPERIMENT  
MODULE  
. LANDING MODULES  
. . LUNAR LANDING MODULES  
. . . LUNAR MODULE  
. . . . APOLLO LUNAR EXPERIMENT  
MODULE  
RT LUNAR EXPLORATION  
LUNAR LANDING

## APOLLO LUNAR SURFACE EXPERIMENTS PACKAGE

UF ALSEP  
GS PACKAGES  
. INSTRUMENT PACKAGES  
. . . APOLLO LUNAR SURFACE  
EXPERIMENTS PACKAGE  
RT ∞ INSTRUMENTS  
LUNAR EXPLORATION  
LUNAR RETROREFLECTORS  
PAYLOADS  
∞ SURFACES

## APOLLO PROJECT

GS PROGRAMS  
. LUNAR PROGRAMS  
. . . APOLLO PROJECT  
. . . NASA PROGRAMS  
. . . NASA SPACE PROGRAMS  
. . . . APOLLO PROJECT  
. . . . PROJECTS  
. . . . APOLLO PROJECT

## APOLLO PROJECT-(CONT.)

. SPACE PROGRAMS  
. . . NASA SPACE PROGRAMS  
. . . . APOLLO PROJECT  
RT AAP 1 MISSION  
AAP 2 MISSION  
AAP 3 MISSION  
AAP 4 MISSION  
ADVANCED RANGE INSTRUMENTATION  
AIRCRAFT  
COMMAND SERVICE MODULES  
LSSM  
LUNAR EXPLORATION  
LUNAR EXPLORATION SYSTEM FOR  
APOLLO  
LUNAR MOBILE LABORATORIES  
LUNAR PROBES  
MANNED SPACECRAFT  
MARQUARDT R40 ENGINE  
MERCURY PROJECT  
SATURN LAUNCH VEHICLES  
SATURN WORKSHOPS  
SATURN 1 WORKSHOP  
SATURN 5 WORKSHOP  
SIM  
SITE DATA PROCESSORS  
SKYLAB PROGRAM  
SOFT LANDING SPACECRAFT

## APOLLO SHORT STACK

RT SPACECRAFT CONFIGURATIONS

## APOLLO SOYUZ TEST PROJECT

UF ASTP  
GS PROGRAMS  
. PROJECTS  
. . . APOLLO SOYUZ TEST PROJECT  
RT INTERNATIONAL COOPERATION  
INTERNATIONAL RELATIONS  
MANNED SPACECRAFT  
RENDEZVOUS  
SOYUZ SPACECRAFT  
SPACE FLIGHT  
SPACE MISSIONS  
SPACE PROGRAMS  
SPACE RENDEZVOUS  
SPACECREW TRANSFER  
U.S.S.R. SPACE PROGRAM

## APOLLO SPACECRAFT

GS LUNAR SPACECRAFT  
. . . APOLLO SPACECRAFT  
. . . . APOLLO LUNAR EXPERIMENT  
MODULE  
MANEUVERABLE SPACECRAFT  
. . . APOLLO SPACECRAFT  
. . . . APOLLO LUNAR EXPERIMENT  
MODULE  
MANNED SPACECRAFT  
. . . APOLLO SPACECRAFT  
. . . . APOLLO LUNAR EXPERIMENT  
MODULE  
REENTRY VEHICLES  
. RECOVERABLE SPACECRAFT  
. . . APOLLO SPACECRAFT  
. . . . APOLLO LUNAR EXPERIMENT  
MODULE  
SOFT LANDING SPACECRAFT  
. . . APOLLO SPACECRAFT  
. . . . APOLLO LUNAR EXPERIMENT  
MODULE  
RT COMMAND MODULES  
LANDING MODULES  
LUNAR MODULE  
LUNAR MODULE 5  
LUNAR MODULE 7  
MANNED ORBITAL LABORATORIES  
SATURN PROJECT  
SERVICE MODULES  
SKYLAB PROGRAM  
UNIFIED S BAND

## APOLLO TELESCOPE MOUNT

GS SPACECRAFT CONFIGURATIONS  
. . . APOLLO TELESCOPE MOUNT  
TELESCOPES  
. MANNED ORBITAL TELESCOPES  
. . . APOLLO TELESCOPE MOUNT  
RT SKYLAB PROGRAM

## APOLLO 5 FLIGHT

GS SPACE FLIGHT  
. MANNED SPACE FLIGHT  
. . . APOLLO FLIGHTS  
. . . . APOLLO 5 FLIGHT

## APOLLO 5 FLIGHT-(CONT.)

RT EARTH-MOON TRAJECTORIES  
LUNAR EXPLORATION  
LUNAR EXPLORATION SYSTEM FOR  
APOLLO  
LUNAR FLIGHT  
LUNAR LANDING  
LUNAR LAUNCH  
LUNAR MODULE  
LUNAR SPACECRAFT  
MOON-EARTH TRAJECTORIES

## APOLLO 6 FLIGHT

GS SPACE FLIGHT  
. MANNED SPACE FLIGHT  
. . . APOLLO FLIGHTS  
. . . . APOLLO 6 FLIGHT  
RT EARTH-MOON TRAJECTORIES  
LUNAR EXPLORATION  
LUNAR EXPLORATION SYSTEM FOR  
APOLLO  
LUNAR FLIGHT  
LUNAR LANDING  
LUNAR LAUNCH  
LUNAR MODULE  
LUNAR SPACECRAFT  
MOON-EARTH TRAJECTORIES

## APOLLO 7 FLIGHT

GS SPACE FLIGHT  
. MANNED SPACE FLIGHT  
. . . APOLLO FLIGHTS  
. . . . APOLLO 7 FLIGHT  
RT EARTH-MOON TRAJECTORIES  
LUNAR EXPLORATION  
LUNAR EXPLORATION SYSTEM FOR  
APOLLO  
LUNAR FLIGHT  
LUNAR LANDING  
LUNAR LAUNCH  
LUNAR MODULE  
MANNED SPACECRAFT  
MOON-EARTH TRAJECTORIES

## APOLLO 8 FLIGHT

GS SPACE FLIGHT  
. MANNED SPACE FLIGHT  
. . . APOLLO FLIGHTS  
. . . . APOLLO 8 FLIGHT  
RT EARTH-MOON TRAJECTORIES  
LUNAR EXPLORATION  
LUNAR EXPLORATION SYSTEM FOR  
APOLLO  
LUNAR FLIGHT  
LUNAR LANDING  
LUNAR LAUNCH  
LUNAR MODULE  
MANNED SPACECRAFT  
MOON-EARTH TRAJECTORIES

## APOLLO 9 FLIGHT

GS SPACE FLIGHT  
. MANNED SPACE FLIGHT  
. . . APOLLO FLIGHTS  
. . . . APOLLO 9 FLIGHT  
RT EARTH-MOON TRAJECTORIES  
LUNAR EXPLORATION  
LUNAR EXPLORATION SYSTEM FOR  
APOLLO  
LUNAR FLIGHT  
LUNAR LANDING  
LUNAR LAUNCH  
LUNAR MODULE

## APOLLO 10 FLIGHT

GS SPACE FLIGHT  
. MANNED SPACE FLIGHT  
. . . APOLLO FLIGHTS  
. . . . APOLLO 10 FLIGHT  
RT EARTH-MOON TRAJECTORIES  
LUNAR EXPLORATION  
LUNAR EXPLORATION SYSTEM FOR  
APOLLO  
LUNAR FLIGHT  
LUNAR LANDING  
LUNAR LAUNCH  
LUNAR MODULE  
MANNED SPACECRAFT  
MOON-EARTH TRAJECTORIES

## APOLLO 11 FLIGHT

GS SPACE FLIGHT  
. MANNED SPACE FLIGHT  
. . . APOLLO FLIGHTS  
. . . . APOLLO 11 FLIGHT

## APOLLO 12 FLIGHT

### APOLLO 11 FLIGHT-(CONT.)

RT EARTH-MOON TRAJECTORIES  
LUNAR EXPLORATION  
LUNAR EXPLORATION SYSTEM FOR  
APOLLO  
LUNAR FLIGHT  
LUNAR LANDING  
LUNAR LAUNCH  
LUNAR MODULE  
MANNED SPACECRAFT  
MOON-EARTH TRAJECTORIES

### APOLLO 12 FLIGHT

GS SPACE FLIGHT  
. MANNED SPACE FLIGHT  
. . . APOLLO FLIGHTS  
. . . **APOLLO 12 FLIGHT**  
RT EARTH-MOON TRAJECTORIES  
LUNAR EXPLORATION  
LUNAR EXPLORATION SYSTEM FOR  
APOLLO  
LUNAR FLIGHT  
LUNAR LANDING  
LUNAR LAUNCH  
LUNAR MODULE  
MANNED SPACECRAFT  
MOON-EARTH TRAJECTORIES

### APOLLO 13 FLIGHT

GS SPACE FLIGHT  
. MANNED SPACE FLIGHT  
. . . APOLLO FLIGHTS  
. . . **APOLLO 13 FLIGHT**  
RT EARTH-MOON TRAJECTORIES  
LUNAR EXPLORATION  
LUNAR EXPLORATION SYSTEM FOR  
APOLLO  
LUNAR FLIGHT  
LUNAR LANDING  
LUNAR LAUNCH  
LUNAR MODULE  
MANNED SPACECRAFT  
MOON-EARTH TRAJECTORIES

### APOLLO 14 FLIGHT

GS SPACE FLIGHT  
. MANNED SPACE FLIGHT  
. . . APOLLO FLIGHTS  
. . . **APOLLO 14 FLIGHT**  
RT EARTH-MOON TRAJECTORIES  
LUNAR EXPLORATION  
LUNAR EXPLORATION SYSTEM FOR  
APOLLO  
LUNAR FLIGHT  
LUNAR LANDING  
LUNAR LAUNCH  
LUNAR MODULE  
MANNED SPACECRAFT  
MOON-EARTH TRAJECTORIES

### APOLLO 15 FLIGHT

GS SPACE FLIGHT  
. MANNED SPACE FLIGHT  
. . . APOLLO FLIGHTS  
. . . **APOLLO 15 FLIGHT**  
RT EARTH-MOON TRAJECTORIES  
LUNAR EXPLORATION  
LUNAR EXPLORATION SYSTEM FOR  
APOLLO  
LUNAR FLIGHT  
LUNAR LANDING  
LUNAR LAUNCH  
LUNAR MODULE  
MANNED SPACECRAFT  
MOON-EARTH TRAJECTORIES  
SIM

### APOLLO 16 FLIGHT

GS SPACE FLIGHT  
. MANNED SPACE FLIGHT  
. . . APOLLO FLIGHTS  
. . . **APOLLO 16 FLIGHT**  
RT EARTH-MOON TRAJECTORIES  
LUNAR EXPLORATION  
LUNAR EXPLORATION SYSTEM FOR  
APOLLO  
LUNAR FLIGHT  
LUNAR LANDING  
LUNAR LAUNCH  
LUNAR MODULE  
MANNED SPACECRAFT  
MOON-EARTH TRAJECTORIES

### APOLLO 17 FLIGHT

GS SPACE FLIGHT

### APOLLO 17 FLIGHT-(CONT.)

. MANNED SPACE FLIGHT  
. . . APOLLO FLIGHTS  
. . . **APOLLO 17 FLIGHT**  
RT EARTH-MOON TRAJECTORIES  
LUNAR EXPLORATION  
LUNAR EXPLORATION SYSTEM FOR  
APOLLO  
LUNAR FLIGHT  
LUNAR LANDING  
LUNAR LAUNCH  
LUNAR MODULE  
MANNED SPACECRAFT  
MOON-EARTH TRAJECTORIES

### APPALACHIAN MOUNTAINS (NORTH AMERICA)

GS LANDFORMS  
. MOUNTAINS  
. . . **APPALACHIAN MOUNTAINS (NORTH AMERICA)**  
RT NORTH AMERICA

### APPARATUS

USE EQUIPMENT

### APPEARANCE

RT IMAGERY  
QUALITY  
VISIBILITY

### APPENDAGES

GS **APPENDAGES**  
. ARM (ANATOMY)  
. . . ELBOW (ANATOMY)  
. . . FOREARM  
. . . HAND (ANATOMY)  
. . . FINGERS  
. . . LEG (ANATOMY)  
. . . FEET (ANATOMY)  
. . . KNEE (ANATOMY)  
RT ANATOMY  
HUMAN BODY  
LIMBS (ANATOMY)

### APPENDIX (ANATOMY)

GS ANATOMY  
. DIGESTIVE SYSTEM  
. . . GASTROINTESTINAL SYSTEM  
. . . **APPENDIX (ANATOMY)**  
RT INTESTINES

### APPLICATION

USE UTILIZATION

### APPLICATIONS EXPLORER SATELLITES

GS ARTIFICIAL SATELLITES  
. SCIENTIFIC SATELLITES  
. . . EXPLORER SATELLITES  
. . . **APPLICATIONS EXPLORER SATELLITES**  
RT HEAT CAPACITY MAPPING MISSION

### ∞ APPLICATIONS OF MATHEMATICS

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*

UF MATHEMATICAL ANALYSIS  
RT ANALYSIS (MATHEMATICS)  
APPROXIMATION  
COMBINATORIAL ANALYSIS  
COMPUTATION  
DIMENSIONAL ANALYSIS  
DYNAMIC PROGRAMMING  
ECONOMETRICS  
ERROR ANALYSIS  
FINITE ELEMENT METHOD  
FRACTALS  
FUNCTIONS (MATHEMATICS)  
INFORMATION THEORY  
KALMAN-SCHMIDT FILTERING  
LINEAR PROGRAMMING  
MATHEMATICAL MODELS  
NONLINEAR PROGRAMMING  
NUMERICAL ANALYSIS  
OPERATIONAL CALCULUS  
OPERATIONS RESEARCH  
OPTIMIZATION  
PARAMETERIZATION  
PROBABILITY THEORY  
STATISTICAL ANALYSIS  
STOCHASTIC PROCESSES  
TIME SERIES ANALYSIS

### APPLICATIONS PROGRAMS (COMPUTERS)

GS COMPUTER PROGRAMS  
. **APPLICATIONS PROGRAMS (COMPUTERS)**  
. . . NASTRAN  
RT COMPUTERS

### APPLICATIONS TECHNOLOGY SATELLITES

USE ATS

### APPROACH

GS **APPROACH**  
. AIRBORNE RADAR APPROACH  
. . . DELAYED FLAP APPROACH  
. . . INSTRUMENT APPROACH  
RT AIR TRAFFIC CONTROL  
AIRCRAFT APPROACH SPACING  
ARRIVALS  
DESCENT  
FLIGHT PATHS  
FLIGHT PLANS  
GROUND BASED CONTROL  
GUIDANCE (MOTION)  
LANDING  
LANDING AIDS  
PASSAGEWAYS  
TOUCHDOWN

### APPROACH AND LANDING TESTS (STS)

RT EVALUATION  
HORIZONTAL SPACECRAFT LANDING  
LANDING  
MANNED SPACECRAFT  
PROVING  
SPACE SHUTTLES  
SPACE TRANSPORTATION SYSTEM  
SPACECRAFT LANDING  
∞ TESTS  
TOUCHDOWN

### APPROACH CONTROL

GS **APPROACH CONTROL**  
. RADAR APPROACH CONTROL  
RT AIR TRAFFIC CONTROL  
AIRCRAFT APPROACH SPACING  
AIRCRAFT COMMUNICATION  
AIRCRAFT GUIDANCE  
AIRCRAFT MANEUVERS  
AUTOMATED EN ROUTE ATC  
COLLISION AVOIDANCE  
∞ CONTROL  
FLIGHT PATHS  
GLIDE PATHS  
GROUND BASED CONTROL  
INSTRUMENT APPROACH  
INSTRUMENT FLIGHT RULES  
INSTRUMENT LANDING SYSTEMS  
LANDING AIDS  
LANDING RADAR  
MICROWAVE LANDING SYSTEMS  
NIGHT FLIGHTS (AIRCRAFT)  
RUNWAY LIGHTS  
TRACKING (POSITION)  
TRAFFIC CONTROL  
VISUAL CONTROL

### APPROACH INDICATORS

GS AIRCRAFT INSTRUMENTS  
. **APPROACH INDICATORS**  
DISPLAY DEVICES  
. **APPROACH INDICATORS**  
FLIGHT INSTRUMENTS  
. **APPROACH INDICATORS**  
LANDING AIDS  
. LANDING INSTRUMENTS  
. . . **APPROACH INDICATORS**  
MEASURING INSTRUMENTS  
. INDICATING INSTRUMENTS  
. . . **APPROACH INDICATORS**  
RT AIR TRAFFIC CONTROL  
ALTIMETERS  
BLIND LANDING  
GLIDE PATHS  
INSTRUMENT APPROACH  
INSTRUMENT LANDING SYSTEMS  
MICROWAVE SCANNING BEAM LANDING  
SYSTEM  
NAVIGATION AIDS  
RADAR APPROACH CONTROL  
SOLAR COMPASSES  
SPEED INDICATORS

### APPROPRIATIONS

RT BUDGETING  
COST ESTIMATES

## ARCHAEBACTERIA

### APPROPRIATIONS-(CONT.)

FEDERAL BUDGETS  
GRANTS

### APPROXIMATION

UF APPROXIMATION METHODS  
NOMINAL VALUES  
TRUNCATION (MATHEMATICS)

GS ANALYSIS (MATHEMATICS)  
NUMERICAL ANALYSIS  
APPROXIMATION  
BORN APPROXIMATION  
BORN-OPPENHEIMER  
APPROXIMATION  
CHEBYSHEV APPROXIMATION  
EDDINGTON APPROXIMATION  
FINITE DIFFERENCE THEORY  
FINITE ELEMENT METHOD  
HARTREE APPROXIMATION  
LEAST SQUARES METHOD  
MEAN SQUARE VALUES  
MILNE METHOD  
NEWTON METHODS  
NEWTON-RAPHSON METHOD  
NUMERICAL DIFFERENTIATION  
OSEN APPROXIMATION  
PADE APPROXIMATION  
PARTICLE IN CELL TECHNIQUE  
POHLHAUSEN METHOD  
PREDICTOR-CORRECTOR METHODS  
RAYLEIGH-RITZ METHOD  
RELAXATION METHOD (MATHEMATICS)  
RITZ AVERAGING METHOD  
SCHWARTZ METHOD  
SOMMERFELD APPROXIMATION

RT APPLICATIONS OF MATHEMATICS  
CENSORED DATA (MATHEMATICS)  
DIFFERENCE EQUATIONS  
EQUATIONS  
FORM FACTORS  
GLAUBER THEORY  
METHODOLOGY  
MINIMAX TECHNIQUE  
NUMERICAL STABILITY  
PROBLEM SOLVING  
RELATIONSHIPS  
SPLINE FUNCTIONS  
STATIC MODELS  
STATISTICAL ANALYSIS

### APPROXIMATION METHODS

USE APPROXIMATION

### APSIDAL ANGLES

USE APSIDES

### APSIDES

UF APSIDAL ANGLES

GS APSIDES  
APHELIONS  
APOGEES  
PERIGEEES  
PERIHELIONS  
PERILUNES

RT ANGLES (GEOMETRY)  
ANTIPODES  
ELLIPTICAL ORBITS  
ORBITAL MECHANICS

### APT (PICTURE TRANSMISSION)

USE AUTOMATIC PICTURE TRANSMISSION

### APTITUDE

RT LEARNING  
PERSONNEL SELECTION

### AQUARID METEORIDS

GS CELESTIAL BODIES  
METEOROID SHOWERS  
AQUARID METEORIDS  
METEORIDS  
AQUARID METEORIDS  
ORIONID METEORIDS

RT ORIONID METEORIDS

### AQUATIC PLANTS

GS PLANTS (BOTANY)  
AQUATIC PLANTS  
PHYTOPLANKTON

RT AQUICULTURE  
HYDROPONICS  
MARINE BIOLOGY

### AQUEOUS SOLUTIONS

GS MIXTURES  
SOLUTIONS  
AQUEOUS SOLUTIONS

RT HYDRATES  
SOLVATION

### AQUICULTURE

RT AQUATIC PLANTS  
FISHERIES  
FISHES  
HYDROPONICS  
MARINE BIOLOGY  
MARINE ENVIRONMENTS  
MARINE RESOURCES  
MARINE TECHNOLOGY  
NUTRIENTS  
TIDAL FLATS

### AQUIFERS

GS RESOURCES  
EARTH RESOURCES  
WATER RESOURCES  
AQUIFERS  
FRESH WATER  
GRAVELS  
GROUND WATER  
HYDROGEOLOGY  
HYDROLOGY  
HYDROTHERMAL SYSTEMS  
LAKES  
LIMNOLOGY  
OASES  
PERMEABILITY  
PONDS  
POROSITY  
RAIN  
SANDS  
SPRINGS (WATER)  
STREAMS  
WATER  
WATER TABLES  
WELLS

### ARABIAN COMMERCIAL SATELLITE

USE ARCOMSAT

### ARABIAN SEA

GS SEAS  
ARABIAN SEA

RT INDIAN OCEAN

### ARABSAT

GS ARTIFICIAL SATELLITES  
ARABSAT

RT INTERNATIONAL COOPERATION  
SAUDI ARABIAN SPACE PROGRAM

### ARAGONITE

GS CALCIUM COMPOUNDS  
CALCIUM CARBONATES  
ARAGONITE  
CARBON COMPOUNDS  
CARBONATES  
CALCIUM CARBONATES  
ARAGONITE  
MINERALS  
ARAGONITE  
SILICON COMPOUNDS  
SILICATES  
ARAGONITE

RT CALCITE

### ARC CHAMBERS

RT CHAMBERS  
ELECTRIC ARCS  
PLASMA GENERATORS  
THRUST CHAMBERS

### ARC CLOUDS

GS CLOUDS (METEOROLOGY)  
CONVECTION CLOUDS  
ARC CLOUDS  
CYCLOGENESIS  
FRONTS (METEOROLOGY)  
MESOSCALE PHENOMENA  
METEOROLOGY  
OBSERVATION AIRCRAFT  
SATELLITE OBSERVATION  
THUNDERSTORMS

### ARC DISCHARGES

GS ELECTRIC CURRENT  
ELECTRIC DISCHARGES

### ARC DISCHARGES-(CONT.)

ARC DISCHARGES  
RT ELECTRIC ARCS

### ARC GENERATORS

RT ELECTRIC ARCS  
ELECTRIC GENERATORS  
ELECTROSTATIC GENERATORS  
GENERATORS  
INDUCTION  
INDUCTORS  
PLASMA GENERATORS  
SPARK GAPS  
SPARK PLUGS  
VOLTAGE GENERATORS

### ARC HEATING

UF GERDIEN ARC HEATERS  
HEATING

GS ARC HEATING

RT GAS HEATING  
IMAGE FURNACES  
PLASMA HEATING  
RESISTANCE HEATING  
SAHA EQUATIONS

### ARC JET ENGINES

GS ENGINES  
ROCKET ENGINES  
ELECTRIC ROCKET ENGINES  
ELECTROTHERMAL ENGINES  
ARC JET ENGINES

RT ELECTRIC PROPULSION  
ELECTROSTATIC ENGINES  
ION ENGINES  
PLASMA ENGINES  
RESISTOJET ENGINES

### ARC LAMPS

GS LIGHTING EQUIPMENT  
LUMINAIRES  
ARC LAMPS  
CARBON ARCS  
LIGHT SOURCES  
MERCURY ARCS  
SEARCHLIGHTS  
XENON LAMPS

### ARC MELTING

GS PHASE TRANSFORMATIONS  
MELTING  
ARC MELTING

RT DROP TRANSFER  
ELECTROSLAG REFINING  
VACUUM MELTING  
ZONE MELTING

### ARC SPRAYING

UF PLASMA ARC SPRAYING  
SPRAYING

GS ARC SPRAYING

RT METAL SPRAYING

### ARC WELDING

GS WELDING  
ELECTRIC WELDING  
ARC WELDING  
GAS TUNGSTEN ARC WELDING  
PLASMA ARC WELDING

RT ELECTRON BEAM WELDING  
HEAT AFFECTED ZONE  
PRESSURE WELDING  
SPOT WELDS  
SPUTTERING

### ARCAS ROCKET VEHICLES

GS ROCKET VEHICLES  
SINGLE STAGE ROCKET VEHICLES  
ARCAS ROCKET VEHICLES  
SOUNDING ROCKETS  
ARCAS ROCKET VEHICLES

RT RADIOSONDES  
SOLID PROPELLANT ROCKET ENGINES  
VEHICLES

### ARCHAEBACTERIA

GS MICROORGANISMS  
BACTERIA  
ARCHAEBACTERIA

RT BACTERIOLOGY  
BIOLOGICAL EVOLUTION  
PALEOBIOLOGY  
PALEONTOLOGY

## ARCHAEOLOGY

### ARCHAEOLOGY

RT ANTHROPOLOGY  
CULTURAL RESOURCES  
FOSSILS  
PALEOMAGNETISM

### ARCHES

RT PERFORATED SHELLS  
RIGID STRUCTURES  
SHELLS (STRUCTURAL FORMS)  
TRUSSES

### ARCHIPELAGOES

RT ALEUTIAN ISLANDS (US)  
ISLANDS  
LANDFORMS  
SEAS  
SPITSBERGEN (NORWAY)  
VIRGIN ISLANDS

### ARCHITECTURE

RT ACOUSTICS  
BUILDINGS  
CONSTRUCTION  
∞ CONSTRUCTION MATERIALS  
HUMAN FACTORS ENGINEERING  
ILLUMINATING  
PLANT DESIGN  
STARSITE PROGRAM  
STRUCTURAL DESIGN  
∞ STRUCTURES

### ARCHITECTURE (COMPUTERS)

RT COMPUTER DESIGN  
CONCURRENT PROCESSING  
DISTRIBUTED PROCESSING  
HYPERCUBE MULTIPROCESSORS  
LOCAL AREA NETWORKS  
LOGIC CIRCUITS  
LOGIC DESIGN  
MEMORY (COMPUTERS)  
MIMD (COMPUTERS)  
MODULARITY  
SIMD (COMPUTERS)  
SOFTWARE TOOLS  
SUPERCOMPUTERS  
SYSTOLIC ARRAYS  
VERY LARGE SCALE INTEGRATION

### ARCOMSAT

UF ARABIAN COMMERCIAL SATELLITE  
GS ARTIFICIAL SATELLITES  
COMMUNICATION SATELLITES  
∞ ARCOMSAT  
RT AFRICA  
INTERNATIONAL COOPERATION  
SAUDI ARABIAN SPACE PROGRAM  
SYMPHONIE SATELLITES  
SYNCHRONOUS SATELLITES

### ARCON ROCKET VEHICLE

GS ROCKET VEHICLES  
∞ ARCON ROCKET VEHICLE  
RT ∞ VEHICLES

### ∞ ARCS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT AURORAL ARCS  
CURVES (GEOMETRY)  
ELECTRIC ARCS  
ISLAND ARCS  
MAGNETIC ANNULAR ARC  
PLASMA JETS  
RED ARCS

### ARCTIC ENVIRONMENTS

USE ICE ENVIRONMENTS

### ARCTIC OCEAN

GS OCEANS  
∞ ARCTIC OCEAN  
RT BARENTS SEA  
BEAUFORT SEA (NORTH AMERICA)  
GREENLAND  
SPITSBERGEN (NORWAY)

### ARCTIC REGIONS

GS NORTHERN HEMISPHERE  
∞ ARCTIC REGIONS  
REGIONS  
∞ POLAR REGIONS  
∞ ARCTIC REGIONS

### ARCTIC REGIONS-(CONT.)

∞ REMOTE REGIONS  
∞ ARCTIC REGIONS  
RT CHUKCHI SEA  
CLIMATOLOGY  
GEOGRAPHY  
MUSKEGS  
NUNATAKS  
POLAR CAPS  
SIBERIA  
SUBARCTIC REGIONS  
TUNDRA

### AREA

RT ∞ CROSS SECTIONS  
GEOMETRY  
INTEGRAL CALCULUS  
LINE OF SIGHT  
∞ SECTORS  
∞ SURFACES  
VOLUME

### AREA NAVIGATION

GS NAVIGATION  
AIR NAVIGATION  
RT ∞ AREA NAVIGATION  
FLIGHT PATHS  
GROUND TRACKS

### AREND-ROLAND COMET

GS CELESTIAL BODIES  
COMETS  
∞ AREND-ROLAND COMET  
RT SOLAR SYSTEM

### ARES (SPACECRAFT)

USE ADVANCED RECONN ELECTRIC  
SPACECRAFT

### ARETS

USE ARIZONA REGIONAL ECOLOGICAL TEST  
SITE

### ARGENTINA

GS NATIONS  
∞ ARGENTINA  
RT SOUTH AMERICA

### ARGO ROCKET VEHICLES

GS ROCKET VEHICLES  
MULTISTAGE ROCKET VEHICLES  
∞ ARGO ROCKET VEHICLES  
RT HONEST JOHN ROCKET VEHICLE  
JAVELIN ROCKET VEHICLE  
NIKE-AJAX MISSILE  
SOLID PROPELLANT ROCKET ENGINES  
SOUNDING ROCKETS  
∞ VEHICLES

### ARGON

GS CHEMICAL ELEMENTS  
RARE GASES  
∞ ARGON  
∞ ARGON ISOTOPES  
GASES  
RARE GASES  
∞ ARGON  
∞ ARGON ISOTOPES  
RT RADIATION TRAPPING

### ARGON ISOTOPES

GS CHEMICAL ELEMENTS  
NUCLIDES  
∞ ISOTOPES  
∞ ARGON ISOTOPES  
RARE GASES  
∞ ARGON  
∞ ARGON ISOTOPES  
GASES  
RARE GASES  
∞ ARGON  
∞ ARGON ISOTOPES

### ARGON LASERS

GS STIMULATED EMISSION DEVICES  
LASERS  
∞ ARGON LASERS  
RT CHEMICAL LASERS  
CONTINUOUS WAVE LASERS  
GAS MASERS  
INFRARED LASERS  
MACH-ZEHNDER INTERFEROMETERS  
MOLECULAR OSCILLATIONS  
PULSED LASERS

### ARGON LASERS-(CONT.)

Q SWITCHED LASERS  
STIMULATED EMISSION

### ARGON PLASMA

GS PARTICLES  
CHARGED PARTICLES  
ENERGETIC PARTICLES  
PLASMAS (PHYSICS)  
∞ ARGON PLASMA  
RT HELIUM PLASMA  
HYDROGEN PLASMA  
OXYGEN PLASMA

### ARGON-OXYGEN ATMOSPHERES

GS CONTROLLED ATMOSPHERES  
∞ ARGON-OXYGEN ATMOSPHERES  
RT AEROSPACE ENVIRONMENTS  
ATMOSPHERES  
BREATHING  
GAS MIXTURES  
PORTABLE LIFE SUPPORT SYSTEMS  
UNDERWATER BREATHING APPARATUS

### ARGOS SYSTEM

GS SATELLITE NETWORKS  
∞ ARGOS SYSTEM  
RT DATA COLLECTION PLATFORMS  
DATA TRANSMISSION  
OCEAN DATA ACQUISITIONS SYSTEMS  
SATELLITE DOPPLER POSITIONING

### ARGOSY MK-1 AIRCRAFT

GS HAWKER SIDDELEY AIRCRAFT  
∞ ARGOSY MK-1 AIRCRAFT  
JET AIRCRAFT  
TURBOPROP AIRCRAFT  
∞ ARGOSY MK-1 AIRCRAFT  
MONOPLANES  
∞ ARGOSY MK-1 AIRCRAFT  
TRANSPORT AIRCRAFT  
∞ ARGOSY MK-1 AIRCRAFT  
RT ∞ AIRCRAFT

### ARGUMENTS (MATHEMATICS)

USE INDEPENDENT VARIABLES

### ARGUS PROJECT

GS PROGRAMS  
PROJECTS  
RT ∞ ARGUS PROJECT  
THERMONUCLEAR EXPLOSIONS

### ARIANE LAUNCH VEHICLE

GS LAUNCH VEHICLES  
∞ ARIANE LAUNCH VEHICLE  
ROCKET VEHICLES  
MULTISTAGE ROCKET VEHICLES  
∞ ARIANE LAUNCH VEHICLE  
RT ELDO LAUNCH VEHICLE  
EUROPA LAUNCH VEHICLES  
EUROPEAN SPACE AGENCY  
EUROPEAN SPACE PROGRAMS  
GEOSARI PROJECT

### ARID LANDS

GS LAND  
RT ∞ ARID LANDS  
BARREN LAND  
DEATH VALLEY (CA)  
DESERTIFICATION  
DESERTLINE  
DESERTS  
DROUGHT  
EARTH ENVIRONMENT  
EARTH RESOURCES  
EQUATORIAL REGIONS  
GOBI DESERT  
MOJAVE DESERT (CA)  
OASES  
SAHARA DESERT (AFRICA)  
STEPPE  
WADIS

### ARIEL

GS CELESTIAL BODIES  
NATURAL SATELLITES  
ICY SATELLITES  
∞ ARIEL  
∞ URANUS SATELLITES  
∞ ARIEL  
RT URANUS (PLANET)

# ARRHYTHMIA

## ARIEL SATELLITES

GS ARTIFICIAL SATELLITES  
 . **ARIEL SATELLITES**  
 . . ARIEL 1 SATELLITE  
 . . ARIEL 2 SATELLITE  
 . . ARIEL 3 SATELLITE  
 . . ARIEL 4 SATELLITE  
 . . ARIEL 5 SATELLITE  
 RT GEOPHYSICAL SATELLITES  
 THOR DELTA LAUNCH VEHICLE

## ARIEL 1 SATELLITE

UF S-51 SATELLITE  
 GS ARTIFICIAL SATELLITES  
 . ARIEL SATELLITES  
 . . **ARIEL 1 SATELLITE**

## ARIEL 2 SATELLITE

UF S-52 SATELLITE  
 GS ARTIFICIAL SATELLITES  
 . ARIEL SATELLITES  
 . . **ARIEL 2 SATELLITE**

## ARIEL 3 SATELLITE

GS ARTIFICIAL SATELLITES  
 . ARIEL SATELLITES  
 . . **ARIEL 3 SATELLITE**

## ARIEL 4 SATELLITE

GS ARTIFICIAL SATELLITES  
 . ARIEL SATELLITES  
 . . **ARIEL 4 SATELLITE**  
 RT IONOSPHERIC ELECTRON DENSITY  
 IONOSPHERIC SOUNDING

## ARIEL 5 SATELLITE

GS ARTIFICIAL SATELLITES  
 . ARIEL SATELLITES  
 . . **ARIEL 5 SATELLITE**

## ARIES CONSTELLATION

GS CONSTELLATIONS  
 . **ARIES CONSTELLATION**  
 RT CELESTIAL BODIES  
 CELESTIAL SPHERE  
 STARS

## ARIES SOUNDING ROCKET

GS ROCKET VEHICLES  
 . SOUNDING ROCKETS  
 . . **ARIES SOUNDING ROCKET**

## ARIETID METEORIDS

GS CELESTIAL BODIES  
 . METEOROID SHOWERS  
 . . **ARIETID METEORIDS**  
 . METEORIDS  
 . . **ARIETID METEORIDS**

## ARIP (IMPACT PREDICTION)

USE COMPUTERIZED SIMULATION  
 IMPACT PREDICTION

## ARIS INSTRUMENTATION SHIP

USE ADVANCED RANGE INSTRUMENTATION  
 SHIP

## ARITHMETIC

GS NUMBER THEORY  
 . **ARITHMETIC**  
 . . DOUBLE PRECISION ARITHMETIC  
 . . FIXED POINT ARITHMETIC  
 . . FLOATING POINT ARITHMETIC  
 RT ADDITION  
 CALCULATORS  
 COMPUTATION  
 DIVIDING (MATHEMATICS)  
 EXPONENTS  
 INTEGERS  
 MULTIPLICATION  
 SUBTRACTION  
 SUMS

## ARITHMETIC AND LOGIC UNITS

UF ALU (COMPUTER COMPONENTS)  
 GS CENTRAL PROCESSING UNITS  
 . **ARITHMETIC AND LOGIC UNITS**  
 RT COMPUTER COMPONENTS  
 COMPUTERS  
 DOUBLE PRECISION ARITHMETIC

## ARIZONA

GS NATIONS  
 . UNITED STATES

## ARIZONA-(CONT.)

. **ARIZONA**  
 RT ARIZONA REGIONAL ECOLOGICAL TEST  
 SITE  
 COLORADO PLATEAU (US)  
 COLORADO RIVER (NORTH AMERICA)  
 GRAND CANYON (AZ)  
 PHOENIX (AZ)  
 PHOENIX QUADRANGLE (AZ)

## ARIZONA REGIONAL ECOLOGICAL TEST SITE

UF ARETS  
 GS SITES  
 . **ARIZONA REGIONAL ECOLOGICAL  
 TEST SITE**  
 RT ARIZONA  
 ECOLOGY  
 TEST FACILITIES

## ARKANSAS

GS NATIONS  
 . UNITED STATES  
 . . **ARKANSAS**

## ARM (ANATOMY)

GS ANATOMY  
 . LIMBS (ANATOMY)  
 . . **ARM (ANATOMY)**  
 . . . ELBOW (ANATOMY)  
 . . . FOREARM  
 APPENDAGES  
 . **ARM (ANATOMY)**  
 . . ELBOW (ANATOMY)  
 . . FOREARM  
 RT HUMERUS  
 SCAPULA  
 ULNA  
 WRIST

## ARMATURES

RT COMMUTATORS  
 ELECTRIC GENERATORS  
 ELECTRIC MOTORS  
 ELECTRIC RELAYS  
 INDUCTION MOTORS  
 . ROTATING ELECTRICAL MACHINES  
 ROTORS

## ARMED FORCES

GS **ARMED FORCES**  
 . ARMED FORCES (FOREIGN)  
 . ARMED FORCES (UNITED STATES)  
 . NAVY  
 RT . MILITARY AIRCRAFT  
 . MILITARY AVIATION  
 . MILITARY SPACECRAFT  
 . MILITARY VEHICLES  
 . TANKS (COMBAT VEHICLES)

## ARMED FORCES (FOREIGN)

GS **ARMED FORCES**  
 . **ARMED FORCES (FOREIGN)**  
 RT DISARMAMENT  
 ENEMY PERSONNEL  
 . MILITARY AIRCRAFT  
 . MILITARY TECHNOLOGY  
 . MILITARY VEHICLES  
 . WEAPONS

## ARMED FORCES (UNITED STATES)

GS **ARMED FORCES**  
 . **ARMED FORCES (UNITED STATES)**  
 RT DEFENSE PROGRAM  
 DISARMAMENT  
 . MILITARY AIRCRAFT  
 . MILITARY TECHNOLOGY  
 . MILITARY VEHICLES  
 . WEAPONS  
 . WEAPONS INDUSTRY

## ARMOR

RT HELMETS  
 METAL PLATES  
 ORDNANCE  
 PROTECTIVE CLOTHING  
 SHIELDING

## ARMY-NAVY INSTRUMENTATION PROGRAM

GS PROGRAMS  
 . **ARMY-NAVY INSTRUMENTATION  
 PROGRAM**  
 RT LOGISTICS  
 MILITARY TECHNOLOGY

## AROD (RANGE-ORBIT DETERMINATION)

USE AIRBORNE RANGE AND ORBIT  
 DETERMINATION

## AROMATIC COMPOUNDS

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 UF ARYL COMPOUNDS  
 RT . CHEMICAL COMPOUNDS  
 . CHLOROAROMATICS  
 . FURFURYL ALCOHOL  
 . HYDROCARBONS  
 . ORGANIC COMPOUNDS

## AROOS METEORITE

GS CELESTIAL BODIES  
 . METEORITES  
 . . IRON METEORITES  
 . . . **AROOS METEORITE**

## AROUSAL

RT ALERTNESS  
 ELECTROENCEPHALOGRAPHY  
 . STIMULI

## ARPA COMPUTER NETWORK

GS COMPUTER NETWORKS  
 . **ARPA COMPUTER NETWORK**  
 RT COMPUTER TECHNIQUES  
 . NETWORKS  
 . QUEUING THEORY  
 . SATELLITE COMMUNICATION  
 . SPACECRAFT COMMUNICATION  
 . SWITCHING CIRCUITS  
 . TELECOMMUNICATION

## ARRAYS

GS **ARRAYS**  
 . ANTENNA ARRAYS  
 . . LINEAR ARRAYS  
 . . . ENDFIRE ARRAYS  
 . . . YAGI ANTENNAS  
 . . STEERABLE ANTENNAS  
 . . . INERTIALESS STEERABLE  
 . . . ANTENNAS  
 . . TURNSTILE ANTENNAS  
 . . LARGE APERTURE SEISMIC ARRAY  
 . . MULTI-ANODE MICROCHANNEL  
 . . . ARRAYS  
 . . PHASED ARRAYS  
 . . SOLAR ARRAYS  
 . . . SOLAR BLANKETS  
 . . SYNTHETIC ARRAYS  
 . . SYSTOLIC ARRAYS  
 RT ANTENNAS  
 FOCAL PLANE DEVICES  
 MATRICES (MATHEMATICS)  
 PHOTOMASKS  
 PUSHBROOM SENSOR MODES  
 RANKING  
 . STATISTICS

## ARRESTERS

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT ARRESTING GEAR  
 BLOCKING  
 BRAKES (FOR ARRESTING MOTION)  
 GAPS  
 LIGHTNING

## ARRESTING GEAR

GS LANDING AIDS  
 . **ARRESTING GEAR**  
 . SAFETY DEVICES  
 . **ARRESTING GEAR**  
 . ABORT APPARATUS  
 . AIRCRAFT CARRIERS  
 . AIRCRAFT SAFETY  
 . ANTISKID DEVICES  
 . ARRESTERS  
 . BARRIERS  
 . BRAKES (FOR ARRESTING MOTION)  
 . CRASH LANDING  
 . GEAR

## ARRHYTHMIA

GS RATES (PER TIME)  
 . HEART RATE  
 . . **ARRHYTHMIA**

## ARRIVALS

### ARRIVALS

RT APPROACH  
LANDING

### ARROW WINGS

GS AIRFOILS  
. WINGS  
. SWEPT WINGS  
. SWEPTBACK WINGS  
. ARROW WINGS  
PLANFORMS  
. WING PLANFORMS  
. SWEPTBACK WINGS  
. ARROW WINGS  
RT CARET WINGS  
DELTA WINGS  
VARIABLE SWEEP WINGS

### ARROYOS

GS LANDFORMS  
. ARROYOS  
RT CANYONS  
DRAINAGE PATTERNS  
EROSION  
LIMNOLOGY  
RAIN IMPACT DAMAGE  
WATER  
WATER CURRENTS  
WATER EROSION

### ARSENATES

GS ARSENIC COMPOUNDS  
. ARSENATES  
RT ARSENIDES  
∞ OXYGEN COMPOUNDS

### ARSENIC

GS CHEMICAL ELEMENTS  
. METALLOIDS  
. ARSENIC  
. ARSENIC ISOTOPES  
RT METALS

### ARSENIC ALLOYS

GS ALLOYS  
. ARSENIC ALLOYS  
RT METALLOIDS

### ARSENIC COMPOUNDS

GS ARSENIC COMPOUNDS  
. ARSENATES  
. ARSENIDES  
. ALUMINUM ARSENIDES  
. GALLIUM ARSENIDES  
. ALUMINUM GALLIUM ARSENIDES  
. INDIUM ARSENIDES  
. PROUSTITE  
RT ∞ CHEMICAL COMPOUNDS  
∞ GROUP 5A COMPOUNDS

### ARSENIC ISOTOPES

GS CHEMICAL ELEMENTS  
. METALLOIDS  
. ARSENIC  
. ARSENIC ISOTOPES  
. NUCLES  
. ISOTOPES  
. RADIOACTIVE ISOTOPES  
. ARSENIC ISOTOPES  
RT METALS

### ARSENIDES

GS ARSENIC COMPOUNDS  
. ARSENIDES  
. ALUMINUM ARSENIDES  
. GALLIUM ARSENIDES  
. ALUMINUM GALLIUM ARSENIDES  
. INDIUM ARSENIDES  
. PROUSTITE  
RT ARSENATES  
INTERMETALLICS

### ARTEMIA

GS ANIMALS  
. INVERTEBRATES  
. ARTHROPODS  
. ARTEMIA

### ARTERIES

GS ANATOMY  
. CIRCULATORY SYSTEM  
. CARDIOVASCULAR SYSTEM  
. BLOOD VESSELS  
. ARTERIES

### ARTERIES-(CONT.)

RT AORTA  
ARTERIOSCLEROSIS  
BIFURCATION (BIOLOGY)  
CAROTID SINUS BODY  
CAROTID SINUS REFLEX  
PHONOARTERIOGRAPHY  
SPHYGMOGRAPHY  
VEINS

### ARTERIOSCLEROSIS

UF ATHEROSCLEROSIS  
GS DISEASES  
. ARTERIOSCLEROSIS  
RT ANGINA PECTORIS  
ARTERIES  
CHOLESTEROL  
CIRCULATORY SYSTEM  
CORONARY ARTERY DISEASE  
MYOCARDIAL INFARCTION

### ARTHRITIS

GS DISEASES  
. ARTHRITIS  
RT BONES  
CALCIFICATION  
JOINTS (ANATOMY)  
RHEUMATIC DISEASES

### ARTHROPODS

GS ANIMALS  
. INVERTEBRATES  
. ARTHROPODS  
. ARTEMIA  
. CRABS  
. INSECTS  
. BEES  
. BOLLWORMS  
. CHIRONOMUS FLIES  
. COCKROACHES  
. COLEOPTERA  
. BEETLES  
. TRIBOLIA  
. BOLL WEEVILS  
. CRICKETS  
. DROSOPHILA  
. FIREFLIES  
. GRASSHOPPERS  
. LOCUSTS  
. MOTHS  
. SILKWORMS  
. SPIDERS  
RT EXOSKELETONS  
LARVAE

### ARTICULATION (SPEECH)

GS SPEECH  
. ARTICULATION (SPEECH)  
RT LANGUAGES  
SPEECH DEFECTS

### ARTIFACTS

RT ANTHROPOLOGY  
ANTIQUITIES  
CULTURE (SOCIAL SCIENCES)  
MUSEUMS

### ARTIFICIAL CARDIAC PACEMAKER

GS MEDICAL EQUIPMENT  
. ARTIFICIAL CARDIAC PACEMAKER  
RT BIOTECHNOLOGY  
BLOOD CIRCULATION  
CARDIOLOGY  
CIRCULATION  
CIRCULATORY SYSTEM  
HEART  
PULMONARY CIRCULATION

### ARTIFICIAL CLOUDS

GS CLOUDS (METEOROLOGY)  
. ARTIFICIAL CLOUDS  
. CHEMICAL CLOUDS  
. BARIUM ION CLOUDS  
RT WEATHER MODIFICATION

### ARTIFICIAL EARS

GS MEDICAL EQUIPMENT  
. PROSTHETIC DEVICES  
. ARTIFICIAL EARS  
RT EAR

### ARTIFICIAL GRAVITY

GS GRAVITATION  
ARTIFICIAL GRAVITY

### ARTIFICIAL GRAVITY-(CONT.)

RT ACCELERATION STRESSES  
(PHYSIOLOGY)  
∞ ASTRONAUTICS  
ENVIRONMENTAL CONTROL  
GRAVITY GRADIENT SATELLITES  
HUMAN CENTRIFUGES  
LIFE SUPPORT SYSTEMS  
LOWER BODY NEGATIVE PRESSURE  
ROTATING ENVIRONMENTS  
SPIN DYNAMICS  
WEIGHTLESSNESS

### ARTIFICIAL HARBORS

GS WATERWAYS  
. HARBORS  
. ARTIFICIAL HARBORS  
RT CARGO SHIPS  
DEEPWATER TERMINALS  
DREDGING  
MARINE TECHNOLOGY  
OCEANOGRAPHY  
OFFSHORE DOCKING  
OFFSHORE PLATFORMS  
SHIP TERMINALS  
TANKER SHIPS  
TANKER TERMINALS  
∞ TANKERS  
TERMINAL FACILITIES  
TRANSPORTATION

### ARTIFICIAL HEART VALVES

GS MEDICAL EQUIPMENT  
. ARTIFICIAL HEART VALVES  
VALVES  
. ARTIFICIAL HEART VALVES  
RT BIOTECHNOLOGY  
BLOOD CIRCULATION  
BLOOD PUMPS  
HEART  
HEART IMPLANTATION

### ARTIFICIAL INTELLIGENCE

UF MACHINE RECOGNITION  
GS INTELLIGENCE  
. ARTIFICIAL INTELLIGENCE  
. EXPERT SYSTEMS  
RT AUTOMATA THEORY  
BIONICS  
CHARACTER RECOGNITION  
COGNITION  
COMPUTER VISION  
COMPUTERS  
DEPERSONALIZATION  
INFORMATION PROCESSING (BIOLOGY)  
INTELLECT  
KNOWLEDGE REPRESENTATION  
LEARNING MACHINES  
∞ LOGIC  
LOGIC PROGRAMMING  
PERCEPTION  
PROLOG (PROGRAMMING LANGUAGE)  
ROBOTICS  
ROBOTS  
SELF ORGANIZING SYSTEMS  
THEOREM PROVING  
VOICE DATA PROCESSING

### ARTIFICIAL RADIATION BELTS

GS PARTICLES  
. CHARGED PARTICLES  
. MAGNETICALLY TRAPPED PARTICLES  
. RADIATION BELTS  
. ARTIFICIAL RADIATION BELTS  
. TRAPPED PARTICLES  
. MAGNETICALLY TRAPPED PARTICLES  
. RADIATION BELTS  
. ARTIFICIAL RADIATION BELTS  
RT INNER RADIATION BELT  
NUCLEAR EXPLOSIONS  
OUTER RADIATION BELT  
∞ RADIATION

### ARTIFICIAL RESPIRATION

USE RESUSCITATION

### ARTIFICIAL SATELLITES

GS ARTIFICIAL SATELLITES  
. ACTIVE SATELLITES  
. SYNCOM SATELLITES  
. EARLY BIRD SATELLITES  
. SYNCOM 1 SATELLITE  
. SYNCOM 2 SATELLITE  
. SYNCOM 3 SATELLITE  
. ALOUETTE SATELLITES

# ARTIFICIAL SATELLITES

## ARTIFICIAL SATELLITES-(CONT.)

. ALOUETTE B SATELLITE  
 . ALOUETTE 1 SATELLITE  
 . ALOUETTE 2 SATELLITE  
 . ARABSAT  
 . ARIEL SATELLITES  
 . ARIEL 1 SATELLITE  
 . ARIEL 2 SATELLITE  
 . ARIEL 3 SATELLITE  
 . ARIEL 4 SATELLITE  
 . ARIEL 5 SATELLITE  
 . BESS (SATELLITE)  
 . BIOSATELLITES  
 . BIOSATELLITE 1  
 . BIOSATELLITE 2  
 . BIOSATELLITE 3  
 . ORBITING FROG OTOLITH  
 . SPUTNIK 2 SATELLITE  
 . COMMUNICATION SATELLITES  
 . ACTS  
 . AERONAUTICAL SATELLITES  
 . AEROSAT SATELLITES  
 . ARCOMSAT  
 . COMMUNICATIONS TECHNOLOGY  
 . SATELLITE  
 . COMSTAR C  
 . NATO 3B SATELLITE  
 . COMSTAR SATELLITES  
 . DIRECT BROADCAST SATELLITES  
 . EUROPEAN COMMUNICATIONS  
 . SATELLITE  
 . INTELSAT SATELLITES  
 . L-SAT  
 . LOW FREQUENCY  
 . TRANSIONOSPHERIC SATELLITES  
 . MARECS MARITIME SATELLITES  
 . MAROTS (ESA)  
 . MOLNIYA SATELLITES  
 . PALAPA SATELLITES  
 . PALAPA 2 SATELLITE  
 . RADUGA SATELLITE  
 . RCA SATCOM SATELLITES  
 . RELAY SATELLITES  
 . RELAY 1 SATELLITE  
 . RELAY 2 SATELLITE  
 . SYMPHONIE SATELLITES  
 . SYNCOM SATELLITES  
 . EARLY BIRD SATELLITES  
 . SYNCOM 1 SATELLITE  
 . SYNCOM 2 SATELLITE  
 . SYNCOM 3 SATELLITE  
 . SYNCOM 4 SATELLITE  
 . WESTAR SATELLITES  
 . COSPAS  
 . COURIER SATELLITE  
 . DIADEME SATELLITES  
 . DISCOVERER SATELLITES  
 . DODGE SATELLITE  
 . EROS (SATELLITES)  
 . ESA SATELLITES  
 . AEROSAT SATELLITES  
 . COS-B SATELLITE  
 . ERS-1 (ESA SATELLITE)  
 . ESRO 1 SATELLITE  
 . ESRO 2 SATELLITE  
 . ESRO 4 SATELLITE  
 . EUROPEAN COMMUNICATIONS  
 . SATELLITE  
 . EXOSAT SATELLITE  
 . GEOS SATELLITES (ESA)  
 . HEOS SATELLITES  
 . HEOS A SATELLITE  
 . HEOS B SATELLITE  
 . HIPPARCOS SATELLITE  
 . INFRARED SPACE OBSERVATORY  
 . (ISO)  
 . L-SAT  
 . MAGELLAN ULTRAVIOLET  
 . ASTRONOMY SATELLITE  
 . MARECS MARITIME SATELLITES  
 . MAROTS (ESA)  
 . METEOSAT SATELLITE  
 . OTS (ESA)  
 . TD SATELLITES  
 . TD-1 SATELLITE  
 . EUROPEAN 1 SPACECRAFT  
 . EVASIVE SATELLITES  
 . FRENCH SATELLITES  
 . D-1 SATELLITE  
 . D-2 SATELLITES  
 . EOLE SATELLITES  
 . FR-1 SATELLITE  
 . GEOLE SATELLITES  
 . PEOPLE SATELLITES  
 . POSEIDON SATELLITE  
 . SPOT (FRENCH SATELLITE)

## ARTIFICIAL SATELLITES-(CONT.)

. SRET SATELLITES  
 . SRET 1 SATELLITE  
 . SRET 2 SATELLITE  
 . GEODETIC SATELLITES  
 . ANNA SATELLITES  
 . EXPLORER 29 SATELLITE  
 . EXPLORER 36 SATELLITE  
 . GEOLE SATELLITES  
 . GEOS 1 SATELLITE  
 . GEOS 2 SATELLITE  
 . GEOS 3 SATELLITE  
 . GEOSAT SATELLITES  
 . LARGOS SATELLITE  
 . PAGEOS SATELLITE  
 . VANGUARD 1 SATELLITE  
 . GEOPHYSICAL SATELLITES  
 . COSMOS SATELLITES  
 . INTERCOSMOS SATELLITES  
 . EXPLORER 6 SATELLITE  
 . EXPLORER 10 SATELLITE  
 . EXPLORER 12 SATELLITE  
 . EXPLORER 45 SATELLITE  
 . OGO  
 . EGO  
 . OGO-A  
 . OGO-3  
 . OGO-5  
 . POGO  
 . OGO-C  
 . OGO-4  
 . OGO-6  
 . OSO  
 . OSO-C  
 . OSO-1  
 . OSO-2  
 . OSO-3  
 . OSO-4  
 . OSO-5  
 . OSO-6  
 . OSO-7  
 . OSO-8  
 . RADIATION AND METEOROID  
 . SATELLITE  
 . SPUTNIK 3 SATELLITE  
 . VANGUARD 3 SATELLITE  
 . GEOS-D SATELLITE  
 . GRAVITY GRADIENT SATELLITES  
 . ATS  
 . ATS 1  
 . ATS 2  
 . ATS 3  
 . ATS 4  
 . ATS 5  
 . ATS 6  
 . ATS 7  
 . ATS 8  
 . ORBIS CAL SATELLITE  
 . GREB SATELLITES  
 . HELIOS SATELLITES  
 . HELIOS A  
 . HELIOS B  
 . HELIOS 1  
 . HELIOS 2  
 . INJUN SATELLITES  
 . EXPLORER 25 SATELLITE  
 . INJUN 1 SATELLITE  
 . INJUN 3 SATELLITE  
 . INJUN 4 SATELLITE  
 . INSPECTOR SATELLITE  
 . IRIS SATELLITES  
 . ISIS SATELLITES  
 . ALOUETTE 2 SATELLITE  
 . ISIS-A  
 . ISIS-B  
 . ISIS-X  
 . LANDSAT SATELLITES  
 . LANDSAT E  
 . LANDSAT F  
 . LANDSAT 1  
 . LANDSAT 2  
 . LANDSAT 3  
 . LANDSAT 4  
 . LANDSAT 5  
 . LINCOLN EXPERIMENTAL SATELLITES  
 . LUNAR SATELLITES  
 . EXPLORER 18 SATELLITE  
 . EXPLORER 28 SATELLITE  
 . IMP  
 . LUNAR ORBITER  
 . LUNAR ORBITER 1  
 . LUNAR ORBITER 2  
 . LUNAR ORBITER 3  
 . LUNAR ORBITER 4  
 . LUNAR ORBITER 5  
 . ORBITING LUNAR STATIONS

## ARTIFICIAL SATELLITES-(CONT.)

. MAPSAT  
 . MARISAT SATELLITES  
 . MARISAT 1 SATELLITE  
 . MARITIME SATELLITES  
 . ERS-1 (ESA SATELLITE)  
 . MARECS MARITIME SATELLITES  
 . MAROTS (ESA)  
 . METEOROLOGICAL SATELLITES  
 . AEROS SATELLITE  
 . COSMOS 144 SATELLITE  
 . D-2 SATELLITES  
 . DMSP SATELLITES  
 . ELEKTRON SATELLITES  
 . ELEKTRON 1 SATELLITE  
 . ELEKTRON 2 SATELLITE  
 . ELEKTRON 4 SATELLITE  
 . EOLE SATELLITES  
 . ESSA SATELLITES  
 . ESSA 1 SATELLITE  
 . ESSA 2 SATELLITE  
 . ESSA 3 SATELLITE  
 . ESSA 4 SATELLITE  
 . ESSA 5 SATELLITE  
 . ESSA 6 SATELLITE  
 . ESSA 7 SATELLITE  
 . ESSA 8 SATELLITE  
 . ESSA 9 SATELLITE  
 . EXPLORER 9 SATELLITE  
 . EXPLORER 17 SATELLITE  
 . EXPLORER 19 SATELLITE  
 . GEOLE SATELLITES  
 . GOES 6  
 . METEOSAT SATELLITE  
 . NIMBUS SATELLITES  
 . NIMBUS 1 SATELLITE  
 . NIMBUS 2 SATELLITE  
 . NIMBUS 3 SATELLITE  
 . NIMBUS 4 SATELLITE  
 . NIMBUS 5 SATELLITE  
 . NIMBUS 6 SATELLITE  
 . NIMBUS 7 SATELLITE  
 . NOAA SATELLITES  
 . NOAA 2 SATELLITE  
 . NOAA 3 SATELLITE  
 . NOAA 4 SATELLITE  
 . NOAA 5 SATELLITE  
 . NOAA 6 SATELLITE  
 . NOAA 7 SATELLITE  
 . NOAA 8 SATELLITE  
 . SAN MARCO SATELLITES  
 . SAN MARCO 1 SATELLITE  
 . SAN MARCO 2 SATELLITE  
 . SAN MARCO 3 SATELLITE  
 . SEOS (SATELLITE)  
 . SIRS B SATELLITE  
 . SPUTNIK 1 SATELLITE  
 . SPUTNIK 2 SATELLITE  
 . SPUTNIK 3 SATELLITE  
 . SRET SATELLITES  
 . SRET 1 SATELLITE  
 . SRET 2 SATELLITE  
 . SYNCHRONOUS EARTH  
 . OBSERVATORY SATELLITE  
 . SMS 1  
 . SMS 2  
 . SYNCHRONOUS METEOROLOGICAL  
 . SATELLITE  
 . SMS 1  
 . SMS 2  
 . TIROS SATELLITES  
 . IMPROVED TIROS OPERATIONAL  
 . SATELLITES  
 . ITOS 1  
 . ITOS 2  
 . ITOS 3  
 . ITOS 4  
 . ITOS SATELLITES  
 . ITOS 1  
 . ITOS 2  
 . ITOS 3  
 . ITOS 4  
 . TIROS M  
 . TIROS N SERIES SATELLITES  
 . TIROS 1 SATELLITE  
 . TIROS 2 SATELLITE  
 . TIROS 3 SATELLITE  
 . TIROS 4 SATELLITE  
 . TIROS 5 SATELLITE  
 . TIROS 6 SATELLITE  
 . TIROS 7 SATELLITE  
 . TIROS 8 SATELLITE  
 . TIROS 9 SATELLITE  
 . TIROS 10 SATELLITE  
 . VANGUARD 2 SATELLITE  
 . MIDAS SATELLITES



## ARRIVALS

### ARTIFICIAL SATELLITES-(CONT.)

. . . MIDAS 2 SATELLITE  
 . . . MIDAS 3 SATELLITE  
 . . . MIDAS 4 SATELLITE  
 . . . MIDAS 5 SATELLITE  
 . . . MIDAS 6 SATELLITE  
 . . . MIDAS 7 SATELLITE  
 . . . MULTISPECTRAL RESOURCE SAMPLER  
 . . . NAVIGATION SATELLITES  
 . . . AEROSAT SATELLITES  
 . . . EXPLORER 22 SATELLITE  
 . . . NAVIGATION TECHNOLOGY  
 . . . SATELLITES  
 . . . NAVSTAR SATELLITES  
 . . . NOVA SATELLITES  
 . . . REFSAT  
 . . . TRANSIT ATTITUDE CONTROL  
 . . . SATELLITE  
 . . . TRANSIT SATELLITES  
 . . . ORBITAL WORKSHOPS  
 . . . SATURN WORKSHOPS  
 . . . SATURN 1 WORKSHOP  
 . . . SATURN 5 WORKSHOP  
 . . . SKYLAB 1  
 . . . SKYLAB 2  
 . . . SKYLAB 3  
 . . . SKYLAB 4  
 . . . PAS  
 . . . PASSIVE SATELLITES  
 . . . BEACON SATELLITES  
 . . . BEACON EXPLORER A  
 . . . EXPLORER 22 SATELLITE  
 . . . ECHO SATELLITES  
 . . . ECHO 1 SATELLITE  
 . . . ECHO 2 SATELLITE  
 . . . LAGEOS (SATELLITE)  
 . . . PAGEOS SATELLITE  
 . . . PEGASUS SATELLITES  
 . . . POLYOT SATELLITES  
 . . . ROSAT MISSION  
 . . . SAGE SATELLITE  
 . . . SAMOS  
 . . . SARSAT  
 . . . SCATHA SATELLITE  
 . . . SCIENTIFIC SATELLITES  
 . . . AMPTE (SATELLITES)  
 . . . ASTRONOMICAL SATELLITES  
 . . . GAMMA RAY OBSERVATORY  
 . . . HUBBLE SPACE TELESCOPE  
 . . . SPACE INFRARED TELESCOPE  
 . . . FACILITY  
 . . . X RAY ASTROPHYSICS FACILITY  
 . . . ATS  
 . . . ATS 1  
 . . . ATS 2  
 . . . ATS 3  
 . . . ATS 4  
 . . . ATS 5  
 . . . ATS 6  
 . . . ATS 7  
 . . . ATS 8  
 . . . AZUR SATELLITE  
 . . . CANNONBALL 2 SATELLITE  
 . . . DIAL SATELLITE  
 . . . ENVIRONMENTAL RESEARCH  
 . . . SATELLITES  
 . . . ERS 17  
 . . . ERS 18  
 . . . INTASAT SATELLITE  
 . . . EXOS SATELLITES  
 . . . EXOS-A SATELLITE  
 . . . EXOS-B SATELLITE  
 . . . EXOS-C SATELLITE  
 . . . EXOSAT SATELLITE  
 . . . EXPLORER SATELLITES  
 . . . APPLICATIONS EXPLORER  
 . . . SATELLITES  
 . . . COSMIC BACKGROUND EXPLORER  
 . . . SATELLITE  
 . . . DUAL AIR DENSITY EXPLORER  
 . . . DYNAMICS EXPLORER SATELLITES  
 . . . DYNAMICS EXPLORER 1  
 . . . SATELLITE  
 . . . DYNAMICS EXPLORER 2  
 . . . SATELLITE  
 . . . EXPLORER 1 SATELLITE  
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 . . . EXPLORER 10 SATELLITE  
 . . . EXPLORER 11 SATELLITE

### ARTIFICIAL SATELLITES-(CONT.)

. . . EXPLORER 12 SATELLITE  
 . . . EXPLORER 14 SATELLITE  
 . . . EXPLORER 15 SATELLITE  
 . . . EXPLORER 16 SATELLITE  
 . . . EXPLORER 17 SATELLITE  
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 . . . EXPLORER 54 SATELLITE  
 . . . EXPLORER 55 SATELLITE  
 . . . EXTREME ULTRAVIOLET EXPLORER  
 . . . SATELLITE  
 . . . FAR UV SPECTROSCOPIC  
 . . . EXPLORER  
 . . . IMP  
 . . . INTERNATIONAL MAGNETOSPHERIC  
 . . . EXPLORER  
 . . . INTERNATIONAL SUN EARTH  
 . . . EXPLORERS  
 . . . INTERNATIONAL SUN EARTH  
 . . . EXPLORER 1  
 . . . INTERNATIONAL SUN EARTH  
 . . . EXPLORER 2  
 . . . INTERNATIONAL SUN EARTH  
 . . . EXPLORER 3  
 . . . MICROMETEOROID EXPLORER  
 . . . SATELLITES  
 . . . RADIO ASTRONOMY EXPLORER  
 . . . SATELLITE  
 . . . SOLAR MESOSPHERE EXPLORER  
 . . . UHURU SATELLITE  
 . . . X RAY TIMING EXPLORER  
 . . . GEOPOTENTIAL RESEARCH MISSION  
 . . . HAWKEYE SATELLITES  
 . . . LONG DURATION EXPOSURE  
 . . . FACILITY  
 . . . LZEEBE SATELLITE  
 . . . MAGSAT A SATELLITE  
 . . . MAGSAT B SATELLITE  
 . . . MAGSAT SATELLITES  
 . . . MAGSAT 1 SATELLITE  
 . . . ORBIS  
 . . . ORBIS CAL SATELLITE  
 . . . OV-1 SATELLITES  
 . . . OV-2 SATELLITES  
 . . . OV-3 SATELLITES  
 . . . OV-4 SATELLITES  
 . . . OV-5 SATELLITES  
 . . . SMALL SCIENTIFIC SATELLITES  
 . . . UK SATELLITES  
 . . . UK 4 SATELLITE  
 . . . SCORE SATELLITE  
 . . . SEASAT SATELLITES  
 . . . SEASAT 1  
 . . . SEASAT-B SATELLITE  
 . . . SHUTTLE PALLET SATELLITES  
 . . . SKYNET SATELLITES  
 . . . SNAPSHOT SATELLITE  
 . . . SOLAR POWER SATELLITES  
 . . . SOLAR RADIATION 1 SATELLITE  
 . . . SOLAR RADIATION 3 SATELLITE  
 . . . SOVIET SATELLITES  
 . . . COSMOS SATELLITES

### ARTIFICIAL SATELLITES-(CONT.)

. . . COSMOS 2 SATELLITE  
 . . . COSMOS 3 SATELLITE  
 . . . COSMOS 5 SATELLITE  
 . . . COSMOS 6 SATELLITE  
 . . . COSMOS 14 SATELLITE  
 . . . COSMOS 44 SATELLITE  
 . . . COSMOS 54 SATELLITE  
 . . . COSMOS 71 SATELLITE  
 . . . COSMOS 110 SATELLITE  
 . . . COSMOS 137 SATELLITE  
 . . . COSMOS 144 SATELLITE  
 . . . COSMOS 149 SATELLITE  
 . . . COSMOS 166 SATELLITE  
 . . . COSMOS 186 SATELLITE  
 . . . COSMOS 188 SATELLITE  
 . . . COSMOS 206 SATELLITE  
 . . . COSMOS 213 SATELLITE  
 . . . COSMOS 224 SATELLITE  
 . . . COSMOS 225 SATELLITE  
 . . . COSMOS 381 SATELLITE  
 . . . COSMOS 954 SATELLITE  
 . . . COSMOS 1129 SATELLITE  
 . . . INTERCOSMOS SATELLITES  
 . . . COSMOS 782 SATELLITE  
 . . . COSMOS 936 SATELLITE  
 . . . MOLNIYA SATELLITES  
 . . . PROGNOZ SATELLITES  
 . . . PROTON SATELLITES  
 . . . PROTON 1 SATELLITE  
 . . . PROTON 2 SATELLITE  
 . . . PROTON 3 SATELLITE  
 . . . PROTON 4 SATELLITE  
 . . . RADUGA SATELLITE  
 . . . SPUTNIK SATELLITES  
 . . . SPUTNIK 1 SATELLITE  
 . . . SPUTNIK 2 SATELLITE  
 . . . SPUTNIK 3 SATELLITE  
 . . . SPUTNIK 4 SATELLITE  
 . . . SPUTNIK 5 SATELLITE  
 . . . VENERA SATELLITES  
 . . . VENERA 2 SATELLITE  
 . . . VENERA 3 SATELLITE  
 . . . VENERA 4 SATELLITE  
 . . . VENERA 5 SATELLITE  
 . . . VENERA 6 SATELLITE  
 . . . VENERA 7 SATELLITE  
 . . . VENERA 8 SATELLITE  
 . . . VENERA 9 SATELLITE  
 . . . VENERA 10 SATELLITE  
 . . . VENERA 11 SATELLITE  
 . . . VENERA 12 SATELLITE  
 . . . SPACE STATIONS  
 . . . COLUMBUS SPACE STATION  
 . . . HALO ORBIT SPACE STATION  
 . . . MIR SPACE STATION  
 . . . ORBITING LUNAR STATIONS  
 . . . SALYUT SPACE STATION  
 . . . SKYLAB 1  
 . . . SKYLAB 2  
 . . . SKYLAB 3  
 . . . SKYLAB 4  
 . . . SPACE OPERATIONS CENTER (NASA)  
 . . . SPACE STATION POLAR PLATFORMS  
 . . . SYNCHRONOUS SATELLITES  
 . . . AEROS SATELLITE  
 . . . AEROSAT SATELLITES  
 . . . ANIK SATELLITES  
 . . . ANIK 1  
 . . . ANIK 2  
 . . . ANIK 3  
 . . . GOES SATELLITES  
 . . . GOES 1  
 . . . GOES 2  
 . . . GOES 3  
 . . . GOES 4  
 . . . GOES 5  
 . . . GOES 6  
 . . . GOES 7  
 . . . GOES-G  
 . . . MIRANDA SATELLITE  
 . . . SIRIO SATELLITE  
 . . . STORMSAT SATELLITE  
 . . . SYNCHRONOUS EARTH  
 . . . OBSERVATORY SATELLITE  
 . . . SMS 1  
 . . . SMS 2  
 . . . SYNCHRONOUS METEOROLOGICAL  
 . . . SATELLITE  
 . . . SMS 1  
 . . . SMS 2  
 . . . SYNCOM SATELLITES  
 . . . EARLY BIRD SATELLITES  
 . . . SYNCOM 1 SATELLITE  
 . . . SYNCOM 2 SATELLITE  
 . . . SYNCOM 3 SATELLITE

**ARTIFICIAL SATELLITES-(CONT.)**

. . TD SATELLITES  
 . . . TD-1 SATELLITE  
 . TELSTAR SATELLITES  
 . . TELSTAR 1 SATELLITE  
 . . TELSTAR 2 SATELLITE  
 . TETHERED SATELLITES  
 . VANGUARD SATELLITES  
 . . VANGUARD 1 SATELLITE  
 . . VANGUARD 2 SATELLITE  
 . . VANGUARD 3 SATELLITE  
 . VELA SATELLITES  
 RT FLEXIBLE SPACECRAFT  
 INFLATABLE SPACECRAFT  
 INTERPLANETARY SPACECRAFT  
 LUNAR ORBITS  
 LUNAR SPACECRAFT  
 MANEUVERABLE SPACECRAFT  
 MANNED SPACECRAFT  
 MILITARY SPACECRAFT  
 NATIONAL OCEANIC SATELLITE SYSTEM  
 NATURAL SATELLITES  
 OBSERVATORIES  
 ORBITS  
 RECONNAISSANCE SPACECRAFT  
 SATELLITE SOUNDING  
 ∞ SATELLITES  
 SPACE CAPSULES  
 SPACE LABORATORIES  
 TELSTAR PROJECT  
 UNMANNED SPACECRAFT

**ARTILLERY**

GS WEAPONS  
 . GUNS (ORDNANCE)  
 . . ARTILLERY  
 . . . HOWITZERS  
 RT GUN LAUNCHERS  
 GUNNERY TRAINING  
 MISSILES  
 RIFLES  
 SABOT PROJECTILES

**ARTILLERY FIRE**

RT ∞ BARRAGES  
 GUNFIRE

**ARTS**

GS ARTS  
 . ABILITIES  
 . GRAPHIC ARTS  
 . ANIMATION  
 . . . COMPUTER ANIMATION  
 RT CREATIVITY  
 MUSIC

**ARYABHATA**

USE INDIAN SPACECRAFT

**ARYL COMPOUNDS**

USE AROMATIC COMPOUNDS

**ASA**

USE ACETYSALICYLIC ACID

**ASBESTOS**

GS MINERALS  
 . ASBESTOS  
 RT AMBERLITE (TRADEMARK)  
 ELECTRICAL INSULATION  
 INSULATION  
 NONFLAMMABLE MATERIALS  
 SERPENTINE  
 THERMAL INSULATION

**ASCENT**

GS ASCENT  
 . CLIMBING FLIGHT  
 RT BALLOONS  
 DESCENT  
 LUNAR MODULE ASCENT STAGE  
 TAKEOFF

**ASCENT PROPULSION SYSTEMS**

GS PROPULSION  
 . ASCENT PROPULSION SYSTEMS  
 PROPULSION SYSTEM CONFIGURATIONS  
 . ASCENT PROPULSION SYSTEMS  
 RT LUNAR MODULE  
 MISSILES  
 PROPELLANTS  
 ROCKET PROPELLANTS  
 SPACE FLIGHT  
 SPACE SHUTTLE ASCENT STAGE

**ASCENT PROPULSION SYSTEMS-(CONT.)**

∞ SYSTEMS

**ASCENT TRAJECTORIES**

GS TRAJECTORIES  
 RT ASCENT TRAJECTORIES  
 BALLISTIC TRAJECTORIES  
 CLIMBING FLIGHT  
 COASTING FLIGHT  
 DESCENT TRAJECTORIES  
 FLIGHT MECHANICS  
 GUIDANCE (MOTION)  
 INJECTION GUIDANCE  
 LOFTING  
 LUNAR MODULE ASCENT STAGE  
 MIDCOURSE TRAJECTORIES  
 MISSILE TRAJECTORIES  
 PARABOLIC FLIGHT  
 POST BOOST PROPULSION SYSTEM  
 RENDEZVOUS TRAJECTORIES  
 SPACECRAFT TRAJECTORIES

**ASCORBIC ACID**

UF VITAMIN C  
 GS ACIDS  
 . ASCORBIC ACID  
 ORGANIC COMPOUNDS  
 . CYCLIC COMPOUNDS  
 . . HETEROCYCLIC COMPOUNDS  
 . . . ASCORBIC ACID  
 VITAMINS  
 . ASCORBIC ACID

**ASCORBIC ACID METABOLISM**

GS METABOLISM  
 . ASCORBIC ACID METABOLISM  
 RT VITAMINS

**ASCR REACTOR**

USE ADVANCED SODIUM COOLED REACTOR

**ASDE**

USE AIRPORT SURFACE DETECTION EQUIPMENT

**ASHES**

GS ASHES  
 . FLY ASH  
 RT AIR POLLUTION  
 COAL  
 COMBUSTION PRODUCTS  
 CULTIVATION  
 FERTILIZERS  
 FIRE DAMAGE  
 FOREST FIRES  
 LIGNITE  
 REACTION PRODUCTS  
 RESIDUES

**ASIA**

GS CONTINENTS  
 . ASIA  
 RT AFGHANISTAN  
 BANGLADESH  
 BRUNEI  
 BURMA  
 CAMBODIA  
 CHINA  
 HIMALAYAS  
 HONG KONG  
 INDIA  
 IRAN  
 IRAQ  
 ISRAEL  
 JAPAN  
 KUWAIT  
 LAOS  
 LEBANON  
 MALAYSIA  
 MONGOLIA  
 NATIONS  
 NEPAL  
 NORTH KOREA  
 PAKISTAN  
 PAPUA NEW GUINEA  
 RED SEA  
 SAUDI ARABIA  
 SEA OF JAPAN  
 SIBERIA  
 SIKKIM  
 SINGAPORE  
 SOUTH KOREA  
 SOUTHEAST ASIA  
 SOUTHERN YEMEN  
 SRI LANKA

**ASIA-(CONT.)**

SYRIA  
 TAIWAN  
 THAILAND  
 TIBET  
 TUNDRA  
 U.S.S.R.  
 VIETNAM  
 YEMEN

**ASP ROCKET VEHICLE**

UF NIKE-ASP ROCKET  
 GS ROCKET VEHICLES  
 . SOUNDING ROCKETS  
 . ASP ROCKET VEHICLE  
 RT SONDES

**ASPARTATES**

GS BIOPOLYMERS  
 . PROTEINS  
 . . ASPARTATES  
 ESTERS  
 . ASPARTATES  
 ORGANIC COMPOUNDS  
 . PROTEINS  
 . . ASPARTATES  
 RT AMINO ACIDS  
 ASPARTIC ACID

**ASPARTIC ACID**

GS ACIDS  
 . AMINO ACIDS  
 . . ASPARTIC ACID  
 . CARBOXYLIC ACIDS  
 . . ASPARTIC ACID  
 ORGANIC COMPOUNDS  
 . AMINO ACIDS  
 . . ASPARTIC ACID  
 . CARBOXYLIC ACIDS  
 . . ASPARTIC ACID  
 RT ASPARTATES  
 PEPTIDES

**ASPECT RATIO**

GS RATIOS  
 . ASPECT RATIO  
 . . HIGH ASPECT RATIO  
 . . LOW ASPECT RATIO  
 RT AERODYNAMIC CHARACTERISTICS  
 AIRFOILS  
 FINENESS RATIO  
 LIFT  
 ∞ SPAN  
 WINGS

**ASPERGILLUS**

GS PLANTS (BOTANY)  
 . FUNGI  
 . . ASPERGILLUS  
 RT INFECTIOUS DISEASES  
 ∞ MOLD

**ASPHALT**

GS PRODUCTS  
 . PETROLEUM PRODUCTS  
 . . ASPHALT  
 RT AMORPHOUS MATERIALS  
 PAVEMENTS  
 PITCH (MATERIAL)  
 TARS

**ASPHALTENES**

RT COAL  
 COAL DERIVED LIQUIDS  
 COAL LIQUEFACTION  
 HYDROGENATION

**ASPHERICITY**

RT ABERRATION  
 GEOMETRICAL OPTICS  
 ∞ OPTICS  
 REFRACTION  
 SPHERES

**ASPHYXIA**

RT ANOXIA  
 RESPIRATION  
 SIGNS AND SYMPTOMS

**ASPIRATION**

USE VACUUM

**ASROC ENGINE**

GS ENGINES

## ASSATEAGUE ISLAND (MD-VA)

### ASROC ENGINE-(CONT.)

- . ROCKET ENGINES
- . . . SOLID PROPELLANT ROCKET ENGINES

RT . . . ASROC ENGINE  
ANTISUBMARINE WARFARE  
TORPEDOES

### ASSATEAGUE ISLAND (MD-VA)

GS LANDFORMS  
. ISLANDS  
. . . ASSATEAGUE ISLAND (MD-VA)  
RT ATLANTIC OCEAN  
MARYLAND  
VIRGINIA

### ASSAULTING

USE ATTACKING (ASSAULTING)

### ASSAYING

RT CHEMICAL ANALYSIS  
IMMUNOASSAY  
MARS SURFACE SAMPLES  
PARTICULATE SAMPLING  
RADIOIMMUNOASSAY  
SAMPLING

### ASSEMBLER ROUTINES

GS COMPUTER PROGRAMS  
. COMPUTER SYSTEMS PROGRAMS  
. . . ASSEMBLER ROUTINES  
SOFTWARE ENGINEERING  
. COMPUTER PROGRAMMING  
. . . ASSEMBLER ROUTINES  
RT COMPILERS  
OPERATING SYSTEMS (COMPUTERS)

### ASSEMBLIES

GS ASSEMBLIES  
. SUBASSEMBLIES  
. TAIL ASSEMBLIES  
. . . SWING TAIL ASSEMBLIES  
RT ACCUMULATIONS  
ASSEMBLING  
∞ ASSEMBLY  
COLLOCATION  
∞ COMPONENTS  
FABRICATION  
MOsaICS  
STRINGS

### ASSEMBLING

GS ASSEMBLING  
. ORBITAL ASSEMBLY  
RT ASSEMBLIES  
∞ ASSEMBLY  
∞ ATTACHMENT  
CLEAN ROOMS  
COLLECTION  
CONSTRUCTION  
FABRICATION  
FITTING  
INSTALLING  
∞ JOINING  
MOUNTING  
PREPARATION  
RIGGING  
SPACE MANUFACTURING

### ∞ ASSEMBLY

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT ASSEMBLIES  
ASSEMBLING  
COLLOCATION

### ASSEMBLY LANGUAGE

GS LANGUAGES  
. PROGRAMMING LANGUAGES  
. . . ASSEMBLY LANGUAGE  
. . . AUTOCODERS  
. . . COMPASS (PROGRAMMING  
LANGUAGE)  
. . . MAP (PROGRAMMING LANGUAGE)  
RT COMPUTER PROGRAMMING  
COMPUTER PROGRAMS  
COMPUTER SYSTEMS PROGRAMS  
MACHINE ORIENTED LANGUAGES

### ASSESS PROGRAM

UF SPACELAB SIMULATION FLIGHTS  
GS PROGRAMS  
. NASA PROGRAMS

### ASSESS PROGRAM-(CONT.)

. . . ASSESS PROGRAM  
RT SPACE SHUTTLES

### ASSESSMENTS

GS ASSESSMENTS  
. DAMAGE ASSESSMENT  
. TECHNOLOGY ASSESSMENT  
RT EVALUATION  
RATINGS  
REVENUE  
VALUE

### ASSET GLIDERS

GS GLIDERS  
. ASSET GLIDERS  
RT ∞ AIRCRAFT  
HYPERSONIC GLIDERS  
LIFTING REENTRY VEHICLES

### ASSET PROJECT

GS PROGRAMS  
. PROJECTS  
. . . ASSET PROJECT  
RT AEROTHERMODYNAMICS  
ENVIRONMENTAL TESTS

### ASSIGNMENT

USE ALLOCATIONS

### ASSIMILATION

RT DISPERSING  
DISTRIBUTING  
∞ DISTRIBUTION  
MATERIAL ABSORPTION

### ASSOCIATION REACTIONS

GS CHEMICAL REACTIONS  
. ASSOCIATION REACTIONS  
GAS-GAS INTERACTIONS  
. ASSOCIATION REACTIONS  
RT ASTROPHYSICS  
CHEMICAL EQUILIBRIUM  
CONDENSING  
ENDOTHERMIC REACTIONS  
EXOTHERMIC REACTIONS  
INTERSTELLAR CHEMISTRY  
MOLECULAR GASES  
MOLECULAR INTERACTIONS  
OXIDATION  
PHOTOCHEMICAL REACTIONS  
PHOTOOXIDATION  
REACTION KINETICS  
VAPOR PHASES

### ASSOCIATIONS

USE ORGANIZATIONS

### ASSOCIATIVE PROCESSING (COMPUTERS)

GS DATA PROCESSING  
. ASSOCIATIVE PROCESSING  
(COMPUTERS)  
RT DIGITAL COMPUTERS  
MULTIPROCESSING (COMPUTERS)  
PARALLEL PROCESSING (COMPUTERS)  
PIPELINING (COMPUTERS)  
∞ PROCESSING

### ASSUMPTIONS

RT HYPOTHESES  
INFERENCE  
RISK  
SIMPLIFICATION  
∞ THEORIES

### ASSURANCE

RT INSURANCE (CONTRACTS)  
QUALITY CONTROL  
REDUNDANCY  
RELIABILITY

### ASTATINE

GS CHEMICAL ELEMENTS  
. HALOGENS  
. . . ASTATINE  
METALS  
. ASTATINE

### ASTATINE ISOTOPES

GS CHEMICAL ELEMENTS  
. NUCLIDES  
. . . ISOTOPES  
. . . RADIOACTIVE ISOTOPES  
. . . . ASTATINE ISOTOPES

### ASTATINE ISOTOPES-(CONT.)

METALS  
. ASTATINE ISOTOPES

### ASTEC SOLAR TURBOELECTRIC GENERATOR

GS AUXILIARY POWER SOURCES  
. SOLAR AUXILIARY POWER UNITS  
. . . ASTEC SOLAR TURBOELECTRIC  
GENERATOR  
ELECTRIC GENERATORS  
. ROTATING GENERATORS  
. TURBOGENERATORS  
. . . ASTEC SOLAR TURBOELECTRIC  
GENERATOR  
. SOLAR GENERATORS  
. . . SOLAR AUXILIARY POWER UNITS  
. . . ASTEC SOLAR TURBOELECTRIC  
GENERATOR  
TURBOMACHINERY  
. TURBOGENERATORS  
. . . ASTEC SOLAR TURBOELECTRIC  
GENERATOR  
RT RANKINE CYCLE  
SUN  
THERMOELECTRIC GENERATORS

### ASTEROID BELTS

GS CELESTIAL BODIES  
. ASTEROID BELTS  
. . . ASTEROIDS  
. . . AMOR ASTEROID  
. . . AMPHITRITE ASTEROID  
. . . APOLLO ASTEROIDS  
. . . CERES ASTEROID  
. . . CHIRON  
. . . ICARUS ASTEROID  
. . . TORO ASTEROID  
. . . VESTA ASTEROID  
RT ∞ BELTS  
METEOROIDS  
REGIONS  
SOLAR SYSTEM  
SPACE DEBRIS

### ASTEROID CAPTURE

RT ASTEROIDS  
CELESTIAL BODIES  
CONTAINMENT  
ENCLOSURES  
PAYLOADS  
RETAINING  
SOLAR SYSTEM

### ASTEROID MISSIONS

GS SPACE MISSIONS  
. FLYBY MISSIONS  
. . . ASTEROID MISSIONS  
RT ASTEROIDS  
INTERPLANETARY FLIGHT  
∞ MISSIONS  
SPACE EXPLORATION

### ASTEROIDS

GS CELESTIAL BODIES  
. ASTEROID BELTS  
. . . ASTEROIDS  
. . . AMOR ASTEROID  
. . . AMPHITRITE ASTEROID  
. . . APOLLO ASTEROIDS  
. . . CERES ASTEROID  
. . . CHIRON  
. . . ICARUS ASTEROID  
. . . TORO ASTEROID  
. . . VESTA ASTEROID  
RT ASTEROID CAPTURE  
ASTEROID MISSIONS  
METEOROIDS  
SOLAR SYSTEM  
SPACE DEBRIS

### ASTHENOPIA

GS DISEASES  
. EYE DISEASES  
. . . ASTHENOPIA  
RT FATIGUE (BIOLOGY)

### ASTHMA

GS DISEASES  
. RESPIRATORY DISEASES  
. . . ASTHMA

### ASTIGMATISM

GS DISEASES  
. EYE DISEASES  
. . . ASTIGMATISM

## ASTRONOMICAL CATALOGS

### ASTIGMATISM-(CONT.)

- RT DISTORTION
- FOCUSING
- GEOMETRICAL OPTICS
- HAPLOSOPES
- LENSES
- ∞ OPTICS
- REFRACTION
- STIGMATISM

### ASTP

- USE APOLLO SOYUZ TEST PROJECT

### ASTRONICS

- RT ∞ ASTRONAUTICS
- AVIONICS
- ∞ CONTROL
- ∞ ELECTRONICS
- GUIDANCE (MOTION)
- SATELLITE COMMUNICATION
- SINGLE EVENT UPSETS
- SPACECRAFT COMMUNICATION
- SPACECRAFT ELECTRONIC EQUIPMENT
- SPACECRAFT INSTRUMENTS
- ∞ TEST EQUIPMENT

### ASTRO MISSIONS (STS)

- GS PAYLOADS
- SPACE SHUTTLE PAYLOADS
- ∞ ASTRO MISSIONS (STS)
- RT ∞ MISSIONS
- SPACEBORNE ASTRONOMY
- SPACEBORNE TELESCOPES
- SPACELAB PAYLOADS

### ASTRO VEHICLE

- SN (EXCLUDES STS)
- GS MANEUVERABLE SPACECRAFT
- ASTRO VEHICLE
- MANNED SPACECRAFT
- ASTRO VEHICLE
- REENTRY VEHICLES
- RECOVERABLE SPACECRAFT
- ASTRO VEHICLE
- SOFT LANDING SPACECRAFT
- ASTRO VEHICLE
- RT AEROSPACE PLANES
- BOOSTGLIDE VEHICLES
- FERRY SPACECRAFT
- LIFTING REENTRY VEHICLES
- ∞ SPACECRAFT

### ASTROBEE ROCKET VEHICLES

- GS ROCKET VEHICLES
- MULTISTAGE ROCKET VEHICLES
- ASTROBEE ROCKET VEHICLES
- ASTROBEE 1500 ROCKET VEHICLE
- SOUNDING ROCKETS
- ASTROBEE ROCKET VEHICLES
- ASTROBEE 1500 ROCKET VEHICLE
- RT GENIE ROCKET VEHICLE
- SOLID PROPELLANT ROCKET ENGINES
- ∞ VEHICLES

### ASTROBEE 1500 ROCKET VEHICLE

- GS ROCKET VEHICLES
- MULTISTAGE ROCKET VEHICLES
- ASTROBEE ROCKET VEHICLES
- ASTROBEE 1500 ROCKET VEHICLE
- SOUNDING ROCKETS
- ASTROBEE ROCKET VEHICLES
- ASTROBEE 1500 ROCKET VEHICLE
- RT SOLID PROPELLANT ROCKET ENGINES

### ASTROBIOLOGY

- USE EXOBIOLOGY

### ASTRODYNAMICS

- GS CLASSICAL MECHANICS
- SPACE MECHANICS
- ASTRODYNAMICS
- RT ∞ ASTRONAUTICS
- ASTRONOMICAL OBSERVATORIES
- CELESTIAL BODIES
- CELESTIAL MECHANICS
- ∞ DYNAMICS
- INTERPLANETARY FLIGHT
- ORBITAL MECHANICS
- ORBITAL RESONANCES (CELESTIAL MECHANICS)
- ORBITS
- ∞ SCIENCE
- SPACE EXPLORATION
- SPACE FLIGHT
- SPACE NAVIGATION

### ASTRODYNAMICS-(CONT.)

- ∞ SPACECRAFT
- TRAJECTORY ANALYSIS

### ASTROGRAPHY

- SN (EXCLUDES ASTRONOMICAL PHOTOGRAPHY)
- RT ASTRONOMICAL MAPS
- MAPPING
- PLANETARY MAPPING

### ASTROGUIDE NAVIGATION SYSTEM

- GS NAVIGATION
- CELESTIAL NAVIGATION
- ASTROGUIDE NAVIGATION SYSTEM
- INERTIAL NAVIGATION
- ASTROGUIDE NAVIGATION SYSTEM
- RT INERTIAL COORDINATES
- STAR TRACKERS
- ∞ SYSTEMS

### ASTROLABES

- GS MEASURING INSTRUMENTS
- INDICATING INSTRUMENTS
- ASTROLABES
- RT ALTIMETERS
- ASTROMETRY
- ASTRONOMICAL OBSERVATORIES
- ASTRONOMY
- CELESTIAL BODIES
- POSITION (LOCATION)
- POSITION ERRORS
- SOLAR POSITION
- SOLAR DISTRIBUTION
- STAR TRACKERS
- STARS

### ASTROLOY (TRADEMARK)

- GS ALLOYS
- CHROMIUM ALLOYS
- ASTROLOY (TRADEMARK)
- COBALT ALLOYS
- ASTROLOY (TRADEMARK)
- HIGH STRENGTH ALLOYS
- ASTROLOY (TRADEMARK)
- NICKEL ALLOYS
- ASTROLOY (TRADEMARK)
- TERNARY ALLOYS
- ASTROLOY (TRADEMARK)

### ASTROMASTS

- USE LONGERONS

### ASTROMETRY

- RT ASTROLABES
- ASTRONOMICAL MAPS
- ASTRONOMICAL PHOTOGRAPHY
- ASTRONOMY
- DOUBLE STARS
- HIPPARCOS SATELLITE
- ∞ MEASUREMENT
- PARALLAX
- SOLAR DIAMETER
- STELLAR PARALLAX

### ASTRON THERMONUCLEAR REACTOR

- GS NUCLEAR REACTORS
- ASTRON THERMONUCLEAR REACTOR
- RT RELATIVISTIC PLASMAS
- THERMONUCLEAR POWER GENERATION
- THERMONUCLEAR REACTIONS

### ASTRONAUT LOCOMOTION

- GS EXTRAVEHICULAR MOBILITY UNITS
- ASTRONAUT LOCOMOTION
- LOCOMOTION
- ASTRONAUT LOCOMOTION
- RT EXTRAVEHICULAR ACTIVITY
- INTRAVEHICULAR ACTIVITY
- LIFE SUPPORT SYSTEMS
- MAN OPERATED PROPULSION SYSTEMS
- MANNED MANEUVERING UNITS
- ORBITAL WORKERS

### ASTRONAUT MANEUVERING EQUIPMENT

- GS EXTRAVEHICULAR MOBILITY UNITS
- ASTRONAUT MANEUVERING EQUIPMENT
- MANNED MANEUVERING UNITS
- RT EXTRAVEHICULAR ACTIVITY
- HUMAN FACTORS ENGINEERING
- IMLSS
- INTRAVEHICULAR ACTIVITY
- SELF MANEUVERING UNITS

### ASTRONAUT MANEUVERING-(CONT.)

- WALKING MACHINES

### ASTRONAUT PERFORMANCE

- GS HUMAN PERFORMANCE
- ASTRONAUT PERFORMANCE
- BLACKOUT PREVENTION
- RT CONFINEMENT
- CONFINING
- HUMAN FACTORS ENGINEERING
- INTRAVEHICULAR ACTIVITY
- MAN MACHINE SYSTEMS
- OPERATOR PERFORMANCE
- ∞ PERFORMANCE
- PHYSIOLOGICAL FACTORS
- PILOT PERFORMANCE
- PSYCHOLOGICAL FACTORS
- SPACE PSYCHOLOGY
- SPACECRAFT PERFORMANCE
- WEIGHTLESSNESS

### ASTRONAUT TRAINING

- GS EDUCATION
- ASTRONAUT TRAINING
- LEARNING
- ASTRONAUT TRAINING
- RT EJECTION TRAINING
- FLIGHT TRAINING
- PILOT TRAINING
- SPACE FLIGHT TRAINING
- SPACE MAINTENANCE
- SPACE PSYCHOLOGY
- TRAINING SIMULATORS

### ∞ ASTRONAUTICS

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT AEROSPACE ENVIRONMENTS
- ARTIFICIAL GRAVITY
- ASTRONICS
- ASTRODYNAMICS
- ASTRONAUTS
- ASTRONOMY
- AUXILIARY PROPULSION
- AVIONICS
- BIOASTRONAUTICS
- BIOSATELLITE 3
- COSMONAUTS
- EARTH-VENUS TRAJECTORIES
- HUMAN FACTORS ENGINEERING
- LUNAR BASES
- PROPULSION
- SOFT LANDING
- SPACE EXPLORATION
- SPACE FLIGHT
- SPACE MAINTENANCE
- SPACE NAVIGATION
- SPACECRAFT DOCKING
- WEIGHTLESSNESS

### ASTRONAUTS

- GS PERSONNEL
- FLYING PERSONNEL
- ASTRONAUTS
- ORBITAL WORKERS
- RT ∞ ASTRONAUTICS
- AWARDS
- COSMONAUTS
- CREW EXPERIMENT STATIONS
- CREW OBSERVATION STATIONS
- CREW WORKSTATIONS
- CREWS
- PILOTS (PERSONNEL)
- SPACECRAFT ENVIRONMENTS
- SPACECREWS

### ASTRONAVIGATION

- GS NAVIGATION
- CELESTIAL NAVIGATION
- ASTRONAVIGATION
- RT AIR NAVIGATION
- INTERPLANETARY NAVIGATION
- INTERSTELLAR TRAVEL
- RADIO NAVIGATION
- SPACE NAVIGATION

### ASTRONOMICAL CATALOGS

- GS DOCUMENTS
- CATALOGS (PUBLICATIONS)
- ASTRONOMICAL CATALOGS
- RT CLASSIFICATIONS
- EPHEMERIDES
- NORTHERN SKY
- SKY SURVEYS (ASTRONOMY)

## ASTRONOMICAL COORDINATES

### ASTRONOMICAL CATALOGS-(CONT.)

SOUTHERN SKY  
TABLES (DATA)

### ASTRONOMICAL COORDINATES

GS COORDINATES  
    **ASTRONOMICAL COORDINATES**  
RT AZIMUTH  
    CELESTIAL REFERENCE SYSTEMS  
    CYLINDRICAL COORDINATES  
    GEOCENTRIC COORDINATES  
    NORTHERN SKY  
    PLANETOCENTRIC COORDINATES  
    PLANISPHERES  
    POLAR COORDINATES  
    REFERENCE STARS  
    SOLAR LONGITUDE  
    SPHERICAL COORDINATES

### ASTRONOMICAL MAPS

GS MAPS  
    **ASTRONOMICAL MAPS**  
    PLANISPHERES  
RT ASTROGRAPHY  
    ASTROMETRY  
    CELESTIAL REFERENCE SYSTEMS  
    CELESTIAL SPHERE  
    LUNAR MAPS

### ASTRONOMICAL MODELS

UF ORRERIES  
GS MODELS  
    **ASTRONOMICAL MODELS**  
    DENSITY WAVE MODEL  
    STELLAR MODELS  
RT BIG BANG COSMOLOGY  
    COROTATION  
    COSMOLOGY  
    MATHEMATICAL MODELS  
    MOLECULAR CLOUDS  
    PLANETARIUMS  
    REISSNER-NORDSTROM SOLUTION  
    SOLAR NEUTRINOS  
    SOLAR OSCILLATIONS  
    STELLAR OSCILLATIONS

### ASTRONOMICAL NETHERLANDS SATELLITE

UF ANS  
GS OBSERVATORIES  
    ASTRONOMICAL OBSERVATORIES  
    ASTRONOMICAL SATELLITES  
    **ASTRONOMICAL NETHERLANDS SATELLITE**  
RT NETHERLANDS

### ASTRONOMICAL OBSERVATORIES

GS OBSERVATORIES  
    **ASTRONOMICAL OBSERVATORIES**  
    ASTRONOMICAL SATELLITES  
    ASTRONOMICAL NETHERLANDS SATELLITE  
    GAMMA RAY OBSERVATORY  
    HEAO  
    HEAO 1  
    HEAO 2  
    HEAO 3  
    HUBBLE SPACE TELESCOPE  
    INFRARED ASTRONOMY SATELLITE  
    INFRARED SPACE OBSERVATORY (ISO)  
    IUE  
    MAGELLAN ULTRAVIOLET ASTRONOMY SATELLITE  
    OAO  
    OAO 1  
    OAO 2  
    OAO 3  
    OSO  
    AOSO  
    OSO-1  
    OSO-2  
    OSO-3  
    OSO-4  
    OSO-5  
    OSO-6  
    OSO-7  
    OSO-8  
    QUASAT  
    SAS  
    EXPLORER 53 SATELLITE  
    SAS-1  
    SAS-2  
    SAS-3  
    SPACE INFRARED TELESCOPE FACILITY

### ASTRONOMICAL OBSERVATORIES-(CONT.)

RT SPARTAN SATELLITES  
    X RAY ASTROPHYSICS FACILITY  
    ASTROPLANE  
    ROSAT MISSION  
ASTRODYNAMICS  
ASTROLABES  
ASTRONOMY  
CELESTIAL BODIES  
GEOPHYSICAL OBSERVATORIES  
JODRELL BANK OBSERVATORY  
LUNAR OBSERVATORIES  
NORTHERN SKY  
RADIO ASTRONOMY  
SOUTHERN SKY  
SPACEBORNE TELESCOPES  
TELESCOPES

### ASTRONOMICAL PHOTOGRAPHY

GS IMAGERY  
    **ASTRONOMICAL PHOTOGRAPHY**  
    PHOTOGRAPHY  
RT **ASTRONOMICAL PHOTOGRAPHY**  
    AERIAL PHOTOGRAPHY  
    ASTROMETRY  
    ASTRONOMY  
    ATMOSPHERIC WINDOWS  
    BAKER-NUNN CAMERA  
    BLACK AND WHITE PHOTOGRAPHY  
    CORONAGRAPHS  
    DIFFRACTION LIMITED CAMERAS  
    ELECTRO-OPTICAL PHOTOGRAPHY  
    FAINT OBJECT CAMERA  
    INFRARED ASTRONOMY  
    INFRARED PHOTOGRAPHY  
    LALLEMAND CAMERAS  
    LUNAR PHOTOGRAPHS  
    LUNAR PHOTOGRAPHY  
    REFERENCE STARS  
    ROCKET-BORNE PHOTOGRAPHY  
    SATELLITE-BORNE PHOTOGRAPHY  
    SCHMIDT CAMERAS  
    SOUTHERN SKY  
    SPACEBORNE PHOTOGRAPHY  
    SPACEBORNE TELESCOPES

### ASTRONOMICAL PHOTOMETRY

GS OPTICAL MEASUREMENT  
    PHOTOMETRY  
    **ASTRONOMICAL PHOTOMETRY**  
    STELLAR SPECTROPHOTOMETRY  
RT ATMOSPHERIC WINDOWS  
    BLINKING  
    COMETARY ATMOSPHERES  
    DIAL SATELLITE  
    INFRARED PHOTOMETRY  
    SPECTROPHOTOMETRY  
    TELEPHOTOMETRY

### ASTRONOMICAL SATELLITES

GS ARTIFICIAL SATELLITES  
    SCIENTIFIC SATELLITES  
    **ASTRONOMICAL SATELLITES**  
    GAMMA RAY OBSERVATORY  
    HUBBLE SPACE TELESCOPE  
    SPACE INFRARED TELESCOPE FACILITY  
    X RAY ASTROPHYSICS FACILITY  
OBSERVATORIES  
    ASTRONOMICAL OBSERVATORIES  
    **ASTRONOMICAL SATELLITES**  
    ASTRONOMICAL NETHERLANDS SATELLITE  
    GAMMA RAY OBSERVATORY  
    HEAO  
    HEAO 1  
    HEAO 2  
    HEAO 3  
    HUBBLE SPACE TELESCOPE  
    INFRARED ASTRONOMY SATELLITE  
    INFRARED SPACE OBSERVATORY (ISO)  
    IUE  
    MAGELLAN ULTRAVIOLET ASTRONOMY SATELLITE  
    OAO  
    OAO 1  
    OAO 2  
    OAO 3  
    OSO  
    AOSO  
    OSO-1  
    OSO-2  
    OSO-3  
    OSO-4

### ASTRONOMICAL SATELLITES-(CONT.)

OSO-5  
OSO-6  
OSO-7  
OSO-8  
QUASAT  
SAS  
EXPLORER 53 SATELLITE  
SAS-1  
SAS-2  
SAS-3  
SPACE INFRARED TELESCOPE FACILITY  
SPARTAN SATELLITES  
X RAY ASTROPHYSICS FACILITY  
RT ROSAT MISSION  
SPACEBORNE ASTRONOMY

### ASTRONOMICAL SPECTROSCOPY

GS SPECTROSCOPY  
    **ASTRONOMICAL SPECTROSCOPY**  
RT ASTRONOMY  
    CONTINUOUS SPECTRA  
    ELECTROMAGNETIC SPECTRA  
    INFRARED SPECTROSCOPY  
    ORGANIC SOLIDS  
    RADIAL VELOCITY  
    RADIATION SPECTRA  
    RADIO ASTRONOMY  
    RADIO SPECTROSCOPY  
    RAMAN SPECTROSCOPY  
    SOLAR SPECTRA  
    SOUTHERN SKY  
    SPECTRA  
    SPECTROSCOPIC TELESCOPES  
    STELLAR SPECTRA  
    ULTRAVIOLET SPECTROSCOPY  
    VISIBLE SPECTRUM  
    X RAY SPECTROSCOPY

### ASTRONOMICAL TELESCOPES

USE TELESCOPES

### ASTRONOMY

UF CELESTIAL OBSERVATION  
GS **ASTRONOMY**  
    GAMMA RAY ASTRONOMY  
    INFRARED ASTRONOMY  
    RADAR ASTRONOMY  
    RADIO ASTRONOMY  
    SPACEBORNE ASTRONOMY  
    ULTRAVIOLET ASTRONOMY  
    X RAY ASTRONOMY  
    X RAY SOURCES  
    X RAY BINARIES  
RT AEROSPACE SCIENCES  
    AMOR ASTEROID  
    APOLLO ASTEROIDS  
    ASTROLABES  
    ASTROMETRY  
AERONAUTICS  
    ASTRONOMICAL OBSERVATORIES  
    ASTRONOMICAL PHOTOGRAPHY  
    ASTRONOMICAL SPECTROSCOPY  
    ASTROPHYSICS  
    CELESTIAL BODIES  
    CELESTIAL MECHANICS  
    EARTH LIMB  
    HALOS  
    INFRARED SOURCES (ASTRONOMY)  
    INFRARED TELESCOPES  
    MASS TO LIGHT RATIOS  
    METEOROID SHOWERS  
    MISSING MASS (ASTROPHYSICS)  
PHYSICAL SCIENCES  
    RELIC RADIATION  
SCIENCE  
    SELENOLOGY  
    SIDEREAL TIME  
    SKY SURVEYS (ASTRONOMY)  
    SOLAR NEIGHBORHOOD  
    SOLAR PARALLAX  
    SOUTHERN SKY  
    SPACEBORNE TELESCOPES  
    STELLAR MAGNITUDE  
    STELLAR MODELS  
    STELLAR OSCILLATIONS  
    TELESCOPES

### ASTROPHYSICS

UF GEOASTROPHYSICS  
GS **ASTROPHYSICS**  
    COMPUTATIONAL ASTROPHYSICS  
    STELLAR PHYSICS  
    SOLAR PHYSICS

## ATLAS CENTAUR LAUNCH VEHICLE

### ASTROPHYSICS-(CONT.)

RT ACCRETION DISKS  
ASSOCIATION REACTIONS  
ASTRONOMY  
BRIGHTNESS DISTRIBUTION  
BRIGHTNESS TEMPERATURE  
CELESTIAL BODIES  
CELESTIAL MECHANICS  
COSMOLOGY  
DEGENERATE MATTER  
DENSE PLASMAS  
DISK GALAXIES  
GALACTIC EVOLUTION  
GAMMA RAY ASTRONOMY  
GRAND UNIFIED THEORY  
GRAVITATIONAL COLLAPSE  
HELIOSEISMOLOGY  
INTERSTELLAR EXTINCTION  
MAGNETIC FIELD CONFIGURATIONS  
MASS TO LIGHT RATIOS  
MICHELSON INTERFEROMETERS  
MISSING MASS (ASTROPHYSICS)  
NAKED SINGULARITIES  
ORION NEBULA  
∞PHYSICS  
PLANETARY ROTATION  
RADIO INTERFEROMETERS  
RADIO JETS (ASTRONOMY)  
RELIC RADIATION  
∞SCIENCE  
SOLAR NEUTRINOS  
SPARTAN SATELLITES  
SPIN TEMPERATURE  
STAR FORMATION  
STELLAR CORES  
STELLAR ENVELOPES  
STELLAR EVOLUTION  
STELLAR INTERIORS  
STELLAR OSCILLATIONS  
THEORETICAL PHYSICS  
WOLF-RAYET STARS  
X RAY ASTROPHYSICS FACILITY  
X RAY BINARIES

### ASTROPLANE

SN (LIMITED TO THE EUROPEAN AIRBORNE  
ASTRONOMICAL OBSERVATORY)  
GS OBSERVATORIES  
. ASTRONOMICAL OBSERVATORIES  
. . . **ASTROPLANE**  
RT A-300 AIRCRAFT  
AIRBORNE EQUIPMENT  
INFRARED TELESCOPES

### ASYMMETRY

UF DISSYMMETRY  
RT ANTISYMMETRY  
DEVIATION  
DISTORTION  
ECCENTRICITY  
SHAPES  
SKEWNESS  
SYMMETRY  
VARIATIONS

### ASYMPTOTES

GS ANALYSIS (MATHEMATICS)  
. REAL VARIABLES  
. . . **ASYMPTOTES**  
FUNCTIONS (MATHEMATICS)  
. **ASYMPTOTES**  
RT ANALYTIC GEOMETRY  
ASYMPTOTIC PROPERTIES  
ASYMPTOTIC SERIES  
CALCULUS  
NUMERICAL ANALYSIS

### ASYMPTOTIC GIANT BRANCH STARS

UF AGB STARS  
GS CELESTIAL BODIES  
. STARS  
. . . GIANT STARS  
. . . **ASYMPTOTIC GIANT BRANCH STARS**  
RT CARBON STARS  
COLOR-MAGNITUDE DIAGRAM  
HERTZSPRUNG-RUSSELL DIAGRAM  
LATE STARS  
M STARS  
MIRA VARIABLES  
RED GIANT STARS  
S STARS  
STELLAR EVOLUTION  
STELLAR MASS EJECTION

### ASYMPTOTIC METHODS

GS PROBLEM SOLVING  
. **ASYMPTOTIC METHODS**  
RT ASYMPTOTIC PROPERTIES  
ITERATIVE SOLUTION  
LEARNING CURVES  
∞METHODODOLOGY

### ASYMPTOTIC PROPERTIES

RT ASYMPTOTES  
ASYMPTOTIC METHODS  
ASYMPTOTIC SERIES  
DIFFERENTIAL EQUATIONS  
INTEGRAL EQUATIONS  
MATHEMATICAL MODELS  
NORMALITY

### ASYMPTOTIC SERIES

GS ANALYSIS (MATHEMATICS)  
. CALCULUS  
. . . SERIES (MATHEMATICS)  
. . . **ASYMPTOTIC SERIES**  
. . . REAL VARIABLES  
. . . SERIES (MATHEMATICS)  
. . . **ASYMPTOTIC SERIES**  
RT ASYMPTOTES  
ASYMPTOTIC PROPERTIES  
SERIES EXPANSION

### ASYNCHRONOUS MOTORS

GS MOTORS  
. ELECTRIC MOTORS  
. . . **ASYNCHRONOUS MOTORS**  
RT INDUCTION MOTORS  
SYNCHRONOUS MOTORS

### ATARS

USE AUTOMATIC TRAFFIC ADVISORY AND  
RESOLUTION

### ATAXIA

GS DISEASES  
. **ATAXIA**  
RT MUSCLES

### ATAXITE

GS ROCKS  
. **ATAXITE**  
RT BRECCIA  
SOILS

### ATCHAFALAYA RIVER BASIN (LA)

GS LANDFORMS  
. STRUCTURAL BASINS  
. . . RIVER BASINS  
. . . **ATCHAFALAYA RIVER BASIN (LA)**  
RT LOUISIANA  
RIVERS

### ATELECTASIS

GS DISEASES  
. **ATELECTASIS**  
RT LUNGS

### ATHENA ROCKET VEHICLE

GS ROCKET VEHICLES  
. MULTISTAGE ROCKET VEHICLES  
. . . **ATHENA ROCKET VEHICLE**  
RT BE-3 ENGINE  
REENTRY VEHICLES  
SOLID PROPELLANT ROCKET ENGINES

### ATHEROSCLEROSIS

USE ARTERIOSCLEROSIS

### ATHLETES

RT COMPETITION  
PHYSICAL EXERCISE  
PHYSICAL FITNESS  
SPORTS MEDICINE

### ATHODYDS

USE RAMJET ENGINES

### ATLANTA (GA)

GS CITIES  
. **ATLANTA (GA)**  
RT GEORGIA

### ATLANTIC AIRCRAFT

USE BREGUET 1150 AIRCRAFT

### ATLANTIC OCEAN

GS OCEANS

### ATLANTIC OCEAN-(CONT.)

RT **ATLANTIC OCEAN**  
ASSATEAGUE ISLAND (MD-VA)  
BERMUDA  
BLOCK ISLAND SOUND (RI)  
CAPE HATTERAS (NC)  
CAPE VERDE  
DELAWARE BAY (US)  
ENGLISH CHANNEL  
GARP ATLANTIC TROPICAL EXPERIMENT  
GULF STREAM  
LESSER ANTILLES  
LOMONOSOV CURRENT  
LONG ISLAND (NY)  
OUTER BANKS (NC)  
SARGASSO SEA  
WALLOPS ISLAND  
WEST INDIES

### ATLANTIS (ORBITER)

UF SPACE SHUTTLE ORBITER 104  
GS MANNED SPACECRAFT  
. SPACE SHUTTLE ORBITERS  
. . . **ATLANTIS (ORBITER)**  
REENTRY VEHICLES  
. RECOVERABLE SPACECRAFT  
. . . REUSABLE SPACECRAFT  
. . . SPACE SHUTTLE ORBITERS  
. . . **ATLANTIS (ORBITER)**  
RT MANNED SPACE FLIGHT  
SPACE SHUTTLE MISSION 51-H  
SPACE SHUTTLE MISSION 51-J  
SPACE SHUTTLE MISSION 61-B  
∞SPACECRAFT

### ATLAS ABLE 5 LAUNCH VEHICLE

GS LAUNCH VEHICLES  
. ATLAS LAUNCH VEHICLES  
. . . **ATLAS ABLE 5 LAUNCH VEHICLE**  
ROCKET VEHICLES  
. MULTISTAGE ROCKET VEHICLES  
. . . ATLAS LAUNCH VEHICLES  
. . . **ATLAS ABLE 5 LAUNCH VEHICLE**  
RT LUNAR PROBES  
SPACE PROBES

### ATLAS AGENA B LAUNCH VEHICLE

GS LAUNCH VEHICLES  
. ATLAS LAUNCH VEHICLES  
. . . **ATLAS AGENA B LAUNCH VEHICLE**  
ROCKET VEHICLES  
. MULTISTAGE ROCKET VEHICLES  
. . . ATLAS LAUNCH VEHICLES  
. . . **ATLAS AGENA B LAUNCH VEHICLE**  
RT AGENA ROCKET VEHICLES  
MARINER 2 SPACE PROBE  
MIDAS SATELLITES  
RANGER LUNAR PROBES  
RANGER 4 LUNAR PROBE

### ATLAS AGENA LAUNCH VEHICLES

GS LAUNCH VEHICLES  
. ATLAS LAUNCH VEHICLES  
. . . **ATLAS AGENA LAUNCH VEHICLES**  
ROCKET VEHICLES  
. MULTISTAGE ROCKET VEHICLES  
. . . ATLAS LAUNCH VEHICLES  
. . . **ATLAS AGENA LAUNCH VEHICLES**  
RT AGENA ROCKET VEHICLES  
ENVIRONMENTAL RESEARCH  
SATELLITES  
ERS 17  
ERS 18  
MARINER PROGRAM  
MARINER 5 SPACE PROBE  
MARINER 6 SPACE PROBE  
OGO-A  
∞VEHICLES

### ATLAS CENTAUR LAUNCH VEHICLE

GS LAUNCH VEHICLES  
. ATLAS LAUNCH VEHICLES  
. . . **ATLAS CENTAUR LAUNCH VEHICLE**  
CENTAUR LAUNCH VEHICLE  
. . . **ATLAS CENTAUR LAUNCH VEHICLE**  
ROCKET VEHICLES  
. CENTAUR LAUNCH VEHICLE  
. . . **ATLAS CENTAUR LAUNCH VEHICLE**  
. . . MULTISTAGE ROCKET VEHICLES  
. . . ATLAS LAUNCH VEHICLES  
. . . **ATLAS CENTAUR LAUNCH VEHICLE**  
RT CENTAUR PROJECT  
OAO 1  
OAO 2  
OAO 3

## ATLAS D ICBM

### ATLAS CENTAUR LAUNCH VEHICLE-(CONT.)

RL-10 ENGINES  
SPACE SHUTTLE UPPER STAGE A  
SURVEYOR PROJECT  
SURVEYOR 1 LUNAR PROBE  
SURVEYOR 2 LUNAR PROBE  
SURVEYOR 3 LUNAR PROBE  
SURVEYOR 4 LUNAR PROBE  
SURVEYOR 5 LUNAR PROBE  
SURVEYOR 6 LUNAR PROBE  
SURVEYOR 7 LUNAR PROBE

### ATLAS D ICBM

GS MISSILES  
.. BALLISTIC MISSILES  
.. INTERCONTINENTAL BALLISTIC MISSILES  
... ATLAS ICBM  
... **ATLAS D ICBM**  
.. SURFACE TO SURFACE MISSILES  
.. INTERCONTINENTAL BALLISTIC MISSILES  
... ATLAS ICBM  
... **ATLAS D ICBM**  
RT CENTAUR LAUNCH VEHICLE  
STANDARD LAUNCH VEHICLES  
VEGA LAUNCH VEHICLE

### ATLAS E ICBM

GS MISSILES  
.. BALLISTIC MISSILES  
.. INTERCONTINENTAL BALLISTIC MISSILES  
... ATLAS ICBM  
... **ATLAS E ICBM**  
.. SURFACE TO SURFACE MISSILES  
.. INTERCONTINENTAL BALLISTIC MISSILES  
... ATLAS ICBM  
... **ATLAS E ICBM**

### ATLAS F ICBM

GS MISSILES  
.. BALLISTIC MISSILES  
.. INTERCONTINENTAL BALLISTIC MISSILES  
... ATLAS ICBM  
... **ATLAS F ICBM**  
.. SURFACE TO SURFACE MISSILES  
.. INTERCONTINENTAL BALLISTIC MISSILES  
... ATLAS ICBM  
... **ATLAS F ICBM**

### ATLAS ICBM

GS MISSILES  
.. BALLISTIC MISSILES  
.. INTERCONTINENTAL BALLISTIC MISSILES  
... ATLAS ICBM  
... ATLAS D ICBM  
... ATLAS E ICBM  
... ATLAS F ICBM  
.. SURFACE TO SURFACE MISSILES  
.. INTERCONTINENTAL BALLISTIC MISSILES  
... ATLAS ICBM  
... ATLAS D ICBM  
... ATLAS E ICBM  
... ATLAS F ICBM  
RT MA-2 ENGINE  
MA-3 ENGINE

### ATLAS LAUNCH VEHICLES

UF SM-65 MISSILE  
GS LAUNCH VEHICLES  
.. **ATLAS LAUNCH VEHICLES**  
.. ATLAS ABLE 5 LAUNCH VEHICLE  
.. ATLAS AGENA B LAUNCH VEHICLE  
.. ATLAS AGENA LAUNCH VEHICLES  
.. ATLAS CENTAUR LAUNCH VEHICLE  
.. ATLAS SLV-3 LAUNCH VEHICLE  
ROCKET VEHICLES  
.. MULTISTAGE ROCKET VEHICLES  
.. **ATLAS LAUNCH VEHICLES**  
.. ATLAS ABLE 5 LAUNCH VEHICLE  
.. ATLAS AGENA B LAUNCH VEHICLE  
.. ATLAS AGENA LAUNCH VEHICLES  
.. ATLAS CENTAUR LAUNCH VEHICLE  
.. ATLAS SLV-3 LAUNCH VEHICLE  
RT EGO  
GEMINI PROJECT  
MA-5 ENGINE  
MARINER PROGRAM  
MERCURY FLIGHTS

### ATLAS LAUNCH VEHICLES-(CONT.)

MERCURY MA-1 FLIGHT  
MERCURY MA-2 FLIGHT  
MERCURY MA-3 FLIGHT  
MERCURY MA-4 FLIGHT  
MERCURY MA-5 FLIGHT  
MERCURY MA-6 FLIGHT  
MERCURY MA-7 FLIGHT  
MERCURY MA-8 FLIGHT  
MERCURY MA-9 FLIGHT  
MERCURY PROJECT  
NOMAD LAUNCH VEHICLE  
OAO  
ORBITAL RENDEZVOUS  
RANGER PROJECT  
∞ VEHICLES

### ATLAS SLV-3 LAUNCH VEHICLE

UF STANDARD LAUNCH VEHICLE 3  
GS LAUNCH VEHICLES  
.. ATLAS LAUNCH VEHICLES  
.. **ATLAS SLV-3 LAUNCH VEHICLE**  
.. STANDARD LAUNCH VEHICLES  
.. **ATLAS SLV-3 LAUNCH VEHICLE**  
ROCKET VEHICLES  
.. MULTISTAGE ROCKET VEHICLES  
.. ATLAS LAUNCH VEHICLES  
.. **ATLAS SLV-3 LAUNCH VEHICLE**  
.. STANDARD LAUNCH VEHICLES  
.. **ATLAS SLV-3 LAUNCH VEHICLE**  
RT LIQUID PROPELLANT ROCKET ENGINES  
MA-5 ENGINE

### ATLIT PROJECT

UF ADVANCED TECHNOLOGY LIGHT TWIN  
AIRCRAFT  
GS PROGRAMS  
.. NASA PROGRAMS  
.. **ATLIT PROJECT**  
.. PROJECTS  
.. **ATLIT PROJECT**  
RT ∞ AIRCRAFT  
GAW-1 AIRFOIL  
PA-34 SENECA AIRCRAFT

### ATMOSPHERE EXPLORER A

USE EXPLORER 17 SATELLITE

### ATMOSPHERE EXPLORER B

USE EXPLORER 32 SATELLITE

### ATMOSPHERE EXPLORER C

USE EXPLORER 51 SATELLITE

### ATMOSPHERE EXPLORER D

USE EXPLORER 54 SATELLITE

### ATMOSPHERE EXPLORER E

USE EXPLORER 55 SATELLITE

### ∞ ATMOSPHERES

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED-CONSULT THE TERMS  
LISTED BELOW)*

RT AIR  
ARGON-OXYGEN ATMOSPHERES  
ATMOSPHERIC PRESSURE  
CABIN ATMOSPHERES  
CONTROLLED ATMOSPHERES  
EARTH ATMOSPHERE  
ENVIRONMENTS  
EQUATORIAL ATMOSPHERE  
GAS MIXTURES  
GASES  
HELIUM-OXYGEN ATMOSPHERES  
HYPOBARIC ATMOSPHERES  
LIFE SUPPORT SYSTEMS  
METEOROLOGY  
MIDDLE ATMOSPHERE  
NEPTUNE ATMOSPHERE  
NEUTRAL ATMOSPHERES  
NONGRAY ATMOSPHERES  
NONGRAY GAS  
PLANETARY ATMOSPHERES  
PLANETARY IONOSPHERES  
PRIMITIVE EARTH ATMOSPHERE  
SATELLITE ATMOSPHERES  
SOLAR ATMOSPHERE  
STELLAR ATMOSPHERES  
URANUS ATMOSPHERE

### ATMOSPHERIC & OCEANOGRAPHIC INFORM SYS

SN (ATMOSPHERIC & OCEANOGRAPHIC  
INFORMATION SYSTEMS)

### ATMOSPHERIC & OCEANOGRAPHIC-(CONT.)

UF AOIPS  
GS INFORMATION SYSTEMS  
.. **ATMOSPHERIC & OCEANOGRAPHIC  
INFORM SYS**  
RT AEROLOGY  
AIR WATER INTERACTIONS  
DATA PROCESSING  
DATA SYSTEMS  
IMAGERY  
ISOTHERMS  
METEOROLOGICAL PARAMETERS  
METEOROLOGY  
MINICOMPUTERS  
OCEANOGRAPHIC PARAMETERS  
OCEANOGRAPHY  
∞ SYSTEMS  
WEATHER

### ATMOSPHERIC ABSORPTION

USE ATMOSPHERIC ATTENUATION

### ATMOSPHERIC AND MAGNETOSPHERIC PAYLOAD

USE AMPS (SATELLITE PAYLOAD)

### ATMOSPHERIC ATTENUATION

UF ATMOSPHERIC ABSORPTION  
GS ATTENUATION  
.. **ATMOSPHERIC ATTENUATION**  
.. AURORAL ABSORPTION  
RT ACOUSTIC ATTENUATION  
ATMOSPHERIC LASERS  
COSMIC RAY ALBEDO  
ELECTROMAGNETIC ABSORPTION  
ELECTROMAGNETIC SCATTERING  
ELECTROMAGNETIC WAVE  
TRANSMISSION  
INFRARED ABSORPTION  
MOLECULAR ABSORPTION  
PLANETARY ATMOSPHERES  
RADAR ATTENUATION  
RADAR TRANSMISSION  
RADIATION ABSORPTION  
RADIO ATTENUATION  
RADIO TRANSMISSION  
SHOCK WAVE ATTENUATION  
SHOCK WAVE PROPAGATION  
THERMAL ABSORPTION  
TRANSMISSION  
VEGETATIVE INDEX  
WAVE ATTENUATION  
WAVE PROPAGATION

### ATMOSPHERIC BOUNDARY LAYER

GS BOUNDARY LAYERS  
.. **ATMOSPHERIC BOUNDARY LAYER**  
RT AIR FLOW  
AIR LAND INTERACTIONS  
BOUNDARY LAYER FLOW  
EKMAN LAYER  
∞ LAYERS  
PLANETARY BOUNDARY LAYER  
PRIMITIVE EQUATIONS

### ATMOSPHERIC CHEMISTRY

GS ENVIRONMENTAL CHEMISTRY  
.. **ATMOSPHERIC CHEMISTRY**  
RT ACID RAIN  
AEROTHERMOCHEMISTRY  
AIR POLLUTION  
AITKEN NUCLEI  
ATMOSPHERIC EFFECTS  
∞ CHEMISTRY  
FORMYL IONS  
MIDDLE ATMOSPHERE  
NITROUS ACID  
PHOTOCHEMICAL OXIDANTS  
PHOTOCHEMICAL REACTIONS  
PHYSICAL CHEMISTRY  
SATELLITE ATMOSPHERES

### ATMOSPHERIC CIRCULATION

UF WIND CIRCULATION  
GS CIRCULATION  
.. **ATMOSPHERIC CIRCULATION**  
.. ZONAL FLOW (METEOROLOGY)  
RT ADVECTION  
AIR CURRENTS  
AIR LAND INTERACTIONS  
AIR MASSES  
ANNUAL VARIATIONS  
ATMOSPHERIC GENERAL CIRCULATION  
EXPERIMENT  
BAROCLINIC INSTABILITY  
BRUNT-VAISALA FREQUENCY

## ATMOSPHERIC MODELS

### ATMOSPHERIC CIRCULATION-(CONT.)

CIRCULATION DISTRIBUTION  
CIRCUMPOLAR WESTERLIES  
CLIMATOLOGY  
CYCLOGENESIS  
EARTH ATMOSPHERE  
GROUND WIND  
INTERTROPICAL CONVERGENT ZONES  
JET STREAMS (METEOROLOGY)  
MERIDIONAL FLOW  
MIDDLE ATMOSPHERE  
MIXING HEIGHT  
MONSOONS  
PLANETARY METEOROLOGY  
PLANETARY WAVES  
POLLUTION TRANSPORT  
SEA BREEZE  
SOUTHERN OSCILLATION  
SUPERROTATION  
TORNADOES  
TROPICAL STORMS  
TURBOPAUSE  
TYPHOONS  
UPWELLING WATER  
VERTICAL AIR CURRENTS  
VORTICITY  
WIND (METEOROLOGY)  
WIND DIRECTION  
WIND PROFILES  
WINDPOWER UTILIZATION

### ATMOSPHERIC CLOUD PHYSICS LAB (SPACELAB)

UF ACPL (SPACELAB)  
ZERO-G ACPL (SPACELAB)  
GS LABORATORIES  
SPACE LABORATORIES  
ATMOSPHERIC CLOUD PHYSICS LAB (SPACELAB)  
PAYLOADS  
SPACELAB PAYLOADS  
ATMOSPHERIC CLOUD PHYSICS LAB (SPACELAB)  
RT CLOUD PHYSICS  
METEOROLOGICAL PARAMETERS  
NEPHANALYSIS  
SPACECRAFT INSTRUMENTS

### ATMOSPHERIC COMPOSITION

GS COMPOSITION (PROPERTY)  
ATMOSPHERIC COMPOSITION  
ATMOSPHERIC MOISTURE  
IONOSPHERIC COMPOSITION  
RT AERONOMY  
AIR  
AIR POLLUTION  
AITKEN NUCLEI  
CARBON DIOXIDE CONCENTRATION  
CHEMICAL COMPOSITION  
CLIMATE CHANGE  
EARTH ATMOSPHERE  
ELECTRON DENSITY (CONCENTRATION)  
EQUATORIAL ATMOSPHERE  
GAS COMPOSITION  
LACATE (EXPERIMENT)  
MIDDLE ATMOSPHERE  
MOISTURE CONTENT  
OZONE DEPLETION  
PARTICULATES  
PLANETARY ATMOSPHERES  
PRIMITIVE EARTH ATMOSPHERE  
RADIO OCCULTATION  
RADIOACTIVE CONTAMINANTS  
SATELLITE ATMOSPHERES  
SATURN ATMOSPHERE  
SOLAR MESOSPHERE EXPLORER  
TITAN

### ATMOSPHERIC CONDITIONS

USE METEOROLOGY

### ATMOSPHERIC CONDUCTIVITY

GS TRANSPORT PROPERTIES  
ATMOSPHERIC CONDUCTIVITY  
IONOSPHERIC CONDUCTIVITY  
RT AIR CONDUCTIVITY  
CONDUCTIVITY  
ELECTRICAL RESISTIVITY  
THERMAL CONDUCTIVITY

### ATMOSPHERIC CORRECTION

GS CORRECTION  
ATMOSPHERIC CORRECTION  
RT ATMOSPHERIC EFFECTS  
CLOUDS (METEOROLOGY)  
GEOMETRIC RECTIFICATION (IMAGERY)

### ATMOSPHERIC CORRECTION-(CONT.)

IMAGE PROCESSING  
INFRARED RADIOMETERS  
RADIATIVE TRANSFER  
SATELLITE IMAGERY  
SPATIAL RESOLUTION

### ATMOSPHERIC DENSITY

GS DENSITY (MASS/VOLUME)  
ATMOSPHERIC DENSITY  
RT AIR POLLUTION  
BOLTZMANN DISTRIBUTION  
DENSITY  
DENSITY (NUMBER/VOLUME)  
ELECTRON DENSITY (CONCENTRATION)  
HUMIDITY  
ION DENSITY (CONCENTRATION)  
MAGNETOSPHERIC ELECTRON DENSITY  
MAGNETOSPHERIC ION DENSITY  
MAGNETOSPHERIC PROTON DENSITY  
METEOROLOGY  
PARTICLE DENSITY (CONCENTRATION)  
PLANETARY ATMOSPHERES  
PLASMA DENSITY  
PROTON DENSITY (CONCENTRATION)  
SPACE DENSITY

### ATMOSPHERIC DIFFUSION

GS DIFFUSION  
ATMOSPHERIC DIFFUSION  
RT BOLTZMANN DISTRIBUTION  
MOLECULAR DIFFUSION  
POLLUTION TRANSPORT  
RADIO SCATTERING  
TURBULENT DIFFUSION

### ATMOSPHERIC EFFECTS

RT AEROSOLS  
AIR POLLUTION  
ATMOSPHERIC CHEMISTRY  
ATMOSPHERIC CORRECTION  
EFFECTS  
EROSION  
EXPOSURE  
RUSTING  
SOIL EROSION  
TURBULENCE  
VEGETATIVE INDEX  
WIND EFFECTS  
WIND EROSION

### ATMOSPHERIC ELECTRICITY

GS ELECTRICITY  
ATMOSPHERIC ELECTRICITY  
IONOSPHERIC CURRENTS  
ELECTROJETS  
AURORAL ELECTROJETS  
EQUATORIAL ELECTROJET  
RT ATMOSPHERICS  
BALL LIGHTNING  
CLOUD PHYSICS  
DUST STORMS  
EARTH ATMOSPHERE  
ELECTRIC CORONA  
ELECTRON DENSITY PROFILES  
LIGHTNING  
LIGHTNING SUPPRESSION  
PRIMITIVE EARTH ATMOSPHERE  
RING CURRENTS  
STATIC ELECTRICITY  
TELLURIC CURRENTS

### ATMOSPHERIC EMISSION

USE AIRGLOW

### ATMOSPHERIC ENERGY SOURCES

GS HYDROCARBON FUEL PRODUCTION  
ATMOSPHERIC ENERGY SOURCES  
RT AMMONIA  
ENERGY SOURCES  
ENERGY TECHNOLOGY  
ETHYL ALCOHOL

### ATMOSPHERIC ENTRY

UF PLANETARY ENTRY  
GS ATMOSPHERIC ENTRY  
REENTRY  
HYPERBOLIC REENTRY  
HYPERSONIC REENTRY  
UNCONTROLLED REENTRY (SPACECRAFT)  
MANNED REENTRY  
SPACECRAFT REENTRY  
UNCONTROLLED REENTRY (SPACECRAFT)

### ATMOSPHERIC ENTRY-(CONT.)

RT ABLATION  
AEROASSIST  
AEROCAPTURE  
AERODYNAMIC HEATING  
AEROMANEUVERING  
BOLIDES  
DESCENT TRAJECTORIES  
EARTH ATMOSPHERE  
ENTRY  
ENTRY GUIDANCE (STS)  
FALLING  
GALILEO PROJECT  
GAS GUNS  
ORBIT DECAY  
SPACE FLIGHT

### ATMOSPHERIC ENTRY SIMULATION

GS SIMULATION  
EXHAUST FLOW SIMULATION  
ATMOSPHERIC ENTRY SIMULATION  
RT ENVIRONMENT SIMULATION  
FLIGHT SIMULATORS  
LANDING SIMULATION  
SPACE ENVIRONMENT SIMULATION

### ATMOSPHERIC GENERAL CIRCULATION EXPERIMENT

GS PAYLOADS  
SPACE SHUTTLE PAYLOADS  
ATMOSPHERIC GENERAL CIRCULATION EXPERIMENT  
SPACELAB PAYLOADS  
ATMOSPHERIC GENERAL CIRCULATION EXPERIMENT  
RT ATMOSPHERIC CIRCULATION  
EARTH ATMOSPHERE  
SPACE TRANSPORTATION SYSTEM

### ATMOSPHERIC HEAT BUDGET

GS ENERGY BUDGETS  
HEAT BUDGET  
ATMOSPHERIC HEAT BUDGET  
RT EARTH RADIATION BUDGET  
GREENHOUSE EFFECT  
HEAT BALANCE  
HEAT TRANSFER

### ATMOSPHERIC HEATING

SN (EXCLUDES AERODYNAMIC HEATING)  
GS HEATING  
ATMOSPHERIC HEATING  
RT BOLIDES

### ATMOSPHERIC IMPURITIES

USE AIR POLLUTION

### ATMOSPHERIC IONIZATION

UF METEORITIC IONIZATION  
GS IONIZATION  
GAS IONIZATION  
ATMOSPHERIC IONIZATION  
AURORAL IONIZATION  
RT AFTERGLOWS  
AIRGLOW  
ANTARES ROCKET VEHICLE  
EARTH IONOSPHERE  
ELECTRON DENSITY PROFILES  
PHOTOIONIZATION  
PLASMASPHERE  
RADIO METEORS  
RIOMETERS

### ATMOSPHERIC LASERS

GS STIMULATED EMISSION DEVICES  
LASERS  
ATMOSPHERIC LASERS  
RT ATMOSPHERIC ATTENUATION  
ATMOSPHERIC OPTICS  
ATMOSPHERIC SCATTERING  
LASER OUTPUTS  
TEA LASERS

### ATMOSPHERIC LOADING

USE POLLUTION TRANSPORT

### ATMOSPHERIC MODELS

GS MODELS  
ATMOSPHERIC MODELS  
REFERENCE ATMOSPHERES  
RT BAROCLINIC INSTABILITY  
CHAPMAN-FERRARO PROBLEM  
ENVIRONMENT MODELS  
ENVIRONMENT SIMULATION



## ATMOSPHERIC MOISTURE

### ATMOSPHERIC MODELS-(CONT.)

- MATHEMATICAL MODELS
- NUMERICAL WEATHER FORECASTING
- OCEAN MODELS
- PRIMITIVE EARTH ATMOSPHERE
- SOLAR OSCILLATIONS
- STELLAR OSCILLATIONS
- VENUS CLOUDS
- WEATHER FORECASTING

### ATMOSPHERIC MOISTURE

- GS COMPOSITION (PROPERTY)
  - ATMOSPHERIC COMPOSITION
  - ATMOSPHERIC MOISTURE
  - CONCENTRATION (COMPOSITION)
  - MOISTURE CONTENT
  - ATMOSPHERIC MOISTURE
- MOISTURE
- ATMOSPHERIC MOISTURE
- RT ACID RAIN
- ANVIL CLOUDS
- CAP CLOUDS
- CIRROCUMULUS CLOUDS
- CIRROSTRATUS CLOUDS
- CLOUDS (METEOROLOGY)
- DEW POINT
- HUMIDITY
- PRECIPITATION (METEOROLOGY)
- PSYCHROMETERS
- WATER VAPOR

### ATMOSPHERIC NOISE

- USE ATMOSPHERICS

### ATMOSPHERIC OPTICS

- RT ADAPTIVE OPTICS
- ATMOSPHERIC LASERS
- CLARITY
- HAZE
- INFRARED ABSORPTION
- LIGHT TRANSMISSION
- OPACITY
- OPTICS
- TRANSPARENCY
- VEGETATIVE INDEX

### ATMOSPHERIC PHYSICS

- UF AEROPHYSICS
- GS ATMOSPHERIC PHYSICS
  - CLOUD PHYSICS
- RT AERONOMY
- BRUNT-VAISALA FREQUENCY
- DUST STORMS
- INTERNATIONAL MAGNETOSPHERIC STUDY
- MAGNETOSPHERE-IONOSPHERE COUPLING
- METEOROLOGY
- NEUTRAL SHEETS
- PHYSICS
- PLANETARY METEOROLOGY
- SATELLITE ATMOSPHERES
- SCIENCE
- SECULAR VARIATIONS
- TURBOPAUSE

### ATMOSPHERIC PRESSURE

- UF BAROMETRIC PRESSURE
- GS PRESSURE
  - ATMOSPHERIC PRESSURE
- RT ANTICYCLONES
- ATMOSPHERES
- CYCLOGENESIS
- CYCLONES
- GAS PRESSURE
- GEOPOTENTIAL HEIGHT
- HIGH ALTITUDE PRESSURE
- ISOBARS (PRESSURE)
- ISOSTATIC PRESSURE
- PRESSURE GRADIENTS
- RADIO OCCULTATION
- SOUTHERN OSCILLATION
- WEATHER

### ATMOSPHERIC RADIATION

- GS ATMOSPHERIC RADIATION
  - AURORAS
  - AURORAL ARCS
  - RED ARCS
  - RADIO AURORAS
  - DAWN CHORUS
  - IONOSPHERIC NOISE
  - WHISTLERS
  - SKY RADIATION
  - AIRGLOW

### ATMOSPHERIC RADIATION-(CONT.)

- GEOCORONAL EMISSIONS
- NIGHTGLOW
- TWILIGHT GLOW
- DAYGLOW
- STRATOSPHERE RADIATION
- TROPOSPHERIC RADIATION
- RT CORPUSCULAR RADIATION
- EARTH RADIATION BUDGET
- ELECTROMAGNETIC RADIATION
- EXTRATERRESTRIAL RADIATION
- GREENHOUSE EFFECT
- IONOSPHERIC HEATING
- LIGHT (VISIBLE RADIATION)
- INFRARED RADIATION
- RAY
- SECONDARY COSMIC RAYS
- TERRESTRIAL RADIATION
- VLF EMISSION RECORDERS

### ATMOSPHERIC REFRACTION

- GS REFRACTION
  - ATMOSPHERIC REFRACTION
  - RADIO WAVE REFRACTION
- RT ELECTROMAGNETIC RADIATION
- LIGHT TRANSMISSION
- REFRACTIVITY
- SOLAR RADIATION
- WAVE DISPERSION

### ATMOSPHERIC SCATTERING

- GS SCATTERING
  - WAVE SCATTERING
  - ATMOSPHERIC SCATTERING
  - TROPOSPHERIC SCATTERING
- RT ATMOSPHERIC LASERS
- CIRCUMSOLAR RADIATION
- DIFFRACTION
- DIFFUSION
- ELECTROMAGNETIC SCATTERING
- HALOS
- LIGHT SCATTERING
- MICROWAVE SCATTERING
- RADIO SCATTERING
- SIGNAL FADING
- VEGETATIVE INDEX

### ATMOSPHERIC SHELLS

- USE ATMOSPHERIC STRATIFICATION

### ATMOSPHERIC SOUNDING

- GS SOUNDING
  - ATMOSPHERIC SOUNDING
- RT BALLOON SOUNDING
- IONOSPHERIC SOUNDING
- ROCKET SOUNDING
- SATELLITE SOUNDING
- VISIBLE INFRARED SPIN SCAN
- RADIOMETER

### ATMOSPHERIC STRATIFICATION

- UF ATMOSPHERIC SHELLS
- GS STRATIFICATION
  - ATMOSPHERIC STRATIFICATION
- RT BRUNT-VAISALA FREQUENCY
- PLASMA LAYERS
- SURFACE LAYERS

### ATMOSPHERIC TEMPERATURE

- GS TEMPERATURE
  - ATMOSPHERIC TEMPERATURE
  - AURORAL TEMPERATURE
  - IONOSPHERIC TEMPERATURE
- RT AMBIENT TEMPERATURE
- CLIMATE CHANGE
- GAS TEMPERATURE
- ISOTHERMS
- LACATE (EXPERIMENT)
- PLANETARY ATMOSPHERES
- PLANETARY TEMPERATURE
- RADIO OCCULTATION
- SODAR
- SOUND DETECTING AND RANGING
- SUBZERO TEMPERATURE
- TEMPERATURE GRADIENTS
- TEMPERATURE INVERSIONS
- THERMAL RESOURCES
- WEATHER

### ATMOSPHERIC TIDES

- GS TIDES
  - ATMOSPHERIC TIDES
- RT EARTH TIDES
- LUNAR TIDES

### ATMOSPHERIC TURBULENCE

- GS TURBULENCE
  - ATMOSPHERIC TURBULENCE
  - CLEAR AIR TURBULENCE
  - GUSTS
  - LOW LEVEL TURBULENCE
- RT AVIATION METEOROLOGY
- DISSIPATION
- GUST LOADS
- HOMOGENEOUS TURBULENCE
- ISOTROPIC TURBULENCE
- LAMINAR FLOW
- METEOROLOGICAL PARAMETERS
- METEOROLOGY
- TEPHIGRAMS
- TURBOPAUSE
- TURBULENT DIFFUSION
- TURBULENT FLOW
- WIND VARIATIONS

### ATMOSPHERIC WINDOWS

- RT ASTRONOMICAL PHOTOGRAPHY
- ASTRONOMICAL PHOTOMETRY

### ATMOSPHERICS

- UF ATMOSPHERIC NOISE
- SPHERICS
- GS ELECTROMAGNETIC INTERFERENCE
- RADIO FREQUENCY INTERFERENCE
- ELECTROMAGNETIC NOISE
- ATMOSPHERICS
- IONOSPHERICS
- DAWN CHORUS
- HISS
- SUDDEN ENHANCEMENT OF ATMOSPHERICS
- WHISTLERS
- RT ATMOSPHERIC ELECTRICITY
- BLACKOUT (PROPAGATION)
- ELECTROMAGNETIC COMPATIBILITY
- RADIO METEOROLOGY
- RADIO WAVES
- STATIC ELECTRICITY
- THUNDERSTORMS
- VLF EMISSION RECORDERS

### ATOLL REEFS

- USE CORAL REEFS

### ATOLLS

- GS LANDFORMS
- ISLANDS
- ATOLLS
- RT CORAL REEFS
- LAGOONS
- REEFS

### ATOM CONCENTRATION

- GS COMPOSITION (PROPERTY)
- CONCENTRATION (COMPOSITION)
- ATOM CONCENTRATION
- RT CHEMICAL COMPOSITION
- DENSITY
- ELECTRON DENSITY (CONCENTRATION)
- FLUX DENSITY
- GAS COMPOSITION
- GAS DENSITY
- ION DENSITY (CONCENTRATION)
- IONOSPHERIC COMPOSITION
- PLASMA COMPOSITION
- PLASMA DENSITY
- PROTON DENSITY (CONCENTRATION)

### ATOMIC BATTERIES

- USE RADIOISOTOPE BATTERIES

### ATOMIC BEAMS

- GS BEAMS (RADIATION)
- PARTICLE BEAMS
- ATOMIC BEAMS
- RT ION BEAMS
- MOLECULAR BEAMS
- NEUTRAL ATOMS
- NEUTRAL BEAMS
- NEUTRON BEAMS
- PARTICLE DIFFUSION
- RAREFIED GAS DYNAMICS

### ATOMIC BOMBS

- USE FISSION WEAPONS

### ATOMIC CLOCKS

- GS MEASURING INSTRUMENTS
- TIME MEASURING INSTRUMENTS

**ATOMIC CLOCKS-(CONT.)**

... CLOCKS  
 ... **ATOMIC CLOCKS**  
 RT AUTONOMOUS SPACECRAFT CLOCKS  
 CHRONOMETERS  
 CLOCK PARADOX  
 FREQUENCY STANDARDS  
 GAS MASERS  
 MASERS  
 MOLECULAR BEAMS  
 TIME MEASUREMENT

**ATOMIC COLLISIONS**

GS ATOMIC INTERACTIONS  
 . **ATOMIC COLLISIONS**  
 COLLISIONS  
 . **ATOMIC COLLISIONS**  
 RT ∞ ABSORPTION  
 ATOMIZING  
 AUTOIONIZATION  
 ∞ CROSS SECTIONS  
 ELASTIC SCATTERING  
 ELECTRON SCATTERING  
 ∞ INTERACTIONS  
 IONIC COLLISIONS  
 IONIZATION  
 MOLECULAR COLLISIONS  
 PARTICLE COLLISIONS  
 RECOIL IONS  
 RECOMBINATION REACTIONS  
 SCATTERING

**ATOMIC ENERGY**

USE NUCLEAR ENERGY

**ATOMIC ENERGY LEVELS**

UF TRIPLET EXCITATION  
 TRIPLET STATE  
 GS LEVEL (QUANTITY)  
 . ENERGY LEVELS  
 . **ATOMIC ENERGY LEVELS**  
 RT ATOMIC INTERACTIONS  
 EXCITATION  
 GROUND STATE  
 LANDAU FACTOR  
 LINE SPECTRA  
 SPONTANEOUS EMISSION

**ATOMIC EXCITATIONS**

GS EXCITATION  
 . **ATOMIC EXCITATIONS**  
 RT ENERGY LEVELS  
 HEISENBERG THEORY  
 IONIZATION  
 MOLECULAR EXCITATION  
 PARTICLE COLLISIONS  
 RESONANCE FLUORESCENCE

**ATOMIC EXPLOSIONS**

USE NUCLEAR EXPLOSIONS

**ATOMIC GASES**

USE MONATOMIC GASES

**ATOMIC INTERACTIONS**

GS **ATOMIC INTERACTIONS**  
 . ATOMIC COLLISIONS  
 . **ATOMIC ENERGY LEVELS**  
 RT ∞ INTERACTIONS  
 ION ATOM INTERACTIONS  
 MOLECULAR STRUCTURE  
 QUANTUM MECHANICS

**ATOMIC MASS**

USE ATOMIC WEIGHTS

**ATOMIC MOBILITIES**

GS MOBILITY  
 . **ATOMIC MOBILITIES**  
 RT ELECTRON MOBILITY  
 HOLE MOBILITY  
 IONIC MOBILITY  
 SELF DIFFUSION (SOLID STATE)

**ATOMIC PHYSICS**

RT HARTREE-FOCK-SLATER METHOD  
 ∞ PHYSICS  
 RESONANCE FLUORESCENCE  
 ∞ SCIENCE

**ATOMIC RECOMBINATION**

GS CHEMICAL REACTIONS  
 . **ATOMIC RECOMBINATION**  
 . OXYGEN RECOMBINATION

**ATOMIC RECOMBINATION-(CONT.)**

RECOMBINATION REACTIONS  
 . **ATOMIC RECOMBINATION**  
 . OXYGEN RECOMBINATION  
 RT DEIONIZATION  
 DISSOCIATION  
 EMISSION  
 EMISSION SPECTRA  
 ION RECOMBINATION  
 RADIATIVE RECOMBINATION

**ATOMIC SPECTRA**

GS SPECTRA  
 . **ATOMIC SPECTRA**  
 RT BALMER SERIES  
 LYMAN ALPHA RADIATION  
 LYMAN BETA RADIATION  
 LYMAN SPECTRA  
 PASCHEN SERIES  
 RYDBERG SERIES

**ATOMIC STRUCTURE**

UF ELECTRONIC STRUCTURE  
 RT ATOMS  
 CONSTITUTION  
 CRYSTAL LATTICES  
 ELEMENTARY PARTICLES  
 ENERGY LEVELS  
 FINE STRUCTURE  
 GRAVITONS  
 HARTREE APPROXIMATION  
 HYPERFINE STRUCTURE  
 INTERATOMIC FORCES  
 ISOELECTRONIC SEQUENCE  
 MELTS (CRYSTAL GROWTH)  
 MOLECULAR STRUCTURE  
 NUCLEAR CHEMISTRY  
 NUCLEAR MODELS  
 NUCLEAR PHYSICS  
 OCTETS  
 ORDER-DISORDER TRANSFORMATIONS  
 PARTICLE PRECIPITATION  
 PAULI EXCLUSION PRINCIPLE  
 POLYMER  
 ∞ STRUCTURES  
 THOMAS-FERMI MODEL

**ATOMIC THEORY**

GS **ATOMIC THEORY**  
 . HEISENBERG THEORY  
 RT ELECTRON TRANSITIONS  
 GROUND STATE  
 LANDAU FACTOR  
 ∞ NUCLEAR ENERGY  
 QUANTUM THEORY  
 ∞ THEORIES

**ATOMIC WEIGHTS**

UF ATOMIC MASS  
 GS WEIGHT (MASS)  
 . **ATOMIC WEIGHTS**  
 RT ∞ WEIGHT

**ATOMIZATION**

USE ATOMIZING

**ATOMIZERS**

RT ATOMIZING  
 EVAPORATORS  
 GRINDING MILLS  
 ∞ NOZZLES  
 SPRAYERS

**ATOMIZING**

UF ATOMIZATION  
 GS **ATOMIZING**  
 . GAS ATOMIZATION  
 . LIQUID ATOMIZATION  
 RT AEROSOLS  
 ATOMIC COLLISIONS  
 ATOMIZERS  
 COLLOIDAL GENERATORS  
 COLLOIDING  
 COMMUNION  
 DISINTEGRATION  
 FLAKING  
 GRINDING (COMMUNION)  
 GRINDING MILLS  
 METAL POWDER  
 SPRAYING

**ATOMS**

GS **ATOMS**  
 . HELIUM ATOMS  
 . HOT ATOMS

**ATOMS-(CONT.)**

. HYDROGEN ATOMS  
 . METASTABLE ATOMS  
 . NEUTRAL ATOMS  
 . NITROGEN ATOMS  
 . OXYGEN ATOMS  
 . RECOIL ATOMS  
 RT ATOMIC STRUCTURE  
 CHEMICAL ELEMENTS  
 ∞ ELEMENTS  
 FREE RADICALS  
 IONS  
 ISOMERS  
 ISOTOPE SEPARATION  
 ISOTOPES  
 MOLECULES  
 MONATOMIC MOLECULES  
 NUCLEI (NUCLEAR PHYSICS)  
 POLYATOMIC MOLECULES  
 POSITIVE IONS  
 POSITRONIUM

**ATP**

USE ADENOSINE TRIPHOSPHATE

**ATR REACTOR**

USE ADVANCED TEST REACTORS

**ATROPHY**

RT BIOLOGICAL EFFECTS  
 DEGENERATION  
 DETERIORATION  
 NUTRITIONAL REQUIREMENTS  
 PHYSICAL EXERCISE  
 TISSUES (BIOLOGY)

**ATROPINE**

GS BASES (CHEMICAL)  
 . ALKALOIDS  
 . **ATROPINE**  
 DRUGS  
 . STIMULANTS  
 . **ATROPINE**  
 NITROGEN COMPOUNDS  
 . ALKALOIDS  
 . **ATROPINE**  
 ORGANIC COMPOUNDS  
 CYCLIC COMPOUNDS  
 . HETEROCYCLIC COMPOUNDS  
 . . . . ALKALOIDS  
 . . . . **ATROPINE**

**ATS**

UF APPLICATIONS TECHNOLOGY  
 SATELLITES  
 GS ARTIFICIAL SATELLITES  
 . GRAVITY GRADIENT SATELLITES  
 . **ATS**  
 . . . . ATS 1  
 . . . . ATS 2  
 . . . . ATS 3  
 . . . . ATS 4  
 . . . . ATS 5  
 . . . . ATS 6  
 . . . . ATS 7  
 . . . . ATS 8  
 . SCIENTIFIC SATELLITES

**ATS**

. **ATS**  
 . . . . ATS 1  
 . . . . ATS 2  
 . . . . ATS 3  
 . . . . ATS 4  
 . . . . ATS 5  
 . . . . ATS 6  
 . . . . ATS 7  
 . . . . ATS 8  
 RT COMMUNICATION SATELLITES  
 EARLY BIRD SATELLITES  
 METEOROLOGICAL SATELLITES  
 NAVIGATION SATELLITES  
 NAVSTAR SATELLITES

**ATS 1**

GS ARTIFICIAL SATELLITES  
 . GRAVITY GRADIENT SATELLITES  
 . **ATS**  
 . . . . **ATS 1**  
 . SCIENTIFIC SATELLITES  
 . **ATS**  
 . . . . **ATS 1**

**ATS 2**

GS ARTIFICIAL SATELLITES  
 . GRAVITY GRADIENT SATELLITES  
 . **ATS**

## ATS 3

### ATS 2-(CONT.)

... ATS 2  
... SCIENTIFIC SATELLITES  
... ATS  
... ATS 2

### ATS 3

GS ARTIFICIAL SATELLITES  
... GRAVITY GRADIENT SATELLITES  
... ATS  
... ATS 3  
... SCIENTIFIC SATELLITES  
... ATS  
... ATS 3

### ATS 4

GS ARTIFICIAL SATELLITES  
... GRAVITY GRADIENT SATELLITES  
... ATS  
... ATS 4  
... SCIENTIFIC SATELLITES  
... ATS  
... ATS 4

### ATS 5

GS ARTIFICIAL SATELLITES  
... GRAVITY GRADIENT SATELLITES  
... ATS  
... ATS 5  
... SCIENTIFIC SATELLITES  
... ATS  
... ATS 5

### ATS 6

GS ARTIFICIAL SATELLITES  
... GRAVITY GRADIENT SATELLITES  
... ATS  
... ATS 6  
... SCIENTIFIC SATELLITES  
... ATS  
... ATS 6  
RT HET EXPERIMENT

### ATS 7

GS ARTIFICIAL SATELLITES  
... GRAVITY GRADIENT SATELLITES  
... ATS  
... ATS 7  
... SCIENTIFIC SATELLITES  
... ATS  
... ATS 7

### ATS 8

GS ARTIFICIAL SATELLITES  
... GRAVITY GRADIENT SATELLITES  
... ATS  
... ATS 8  
... SCIENTIFIC SATELLITES  
... ATS  
... ATS 8

## ATTACHMENT

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
UF REATTACHMENT  
RT ASSEMBLING  
COANDA EFFECT  
ELECTRON ATTACHMENT  
MOUNTING  
REATTACHED FLOW

## ATTACHMENTS

USE ACCESSORIES

## ATTACK

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
RT ATTACKING (ASSAULTING)  
CHEMICAL ATTACK

## ATTACK AIRCRAFT

GS ATTACK AIRCRAFT  
... A-1 AIRCRAFT  
... A-7 AIRCRAFT  
... A-9 AIRCRAFT  
... A-10 AIRCRAFT  
... A-37 AIRCRAFT  
... AH-63 HELICOPTER  
... AH-64 HELICOPTER  
... BOMBER AIRCRAFT  
... A-2 AIRCRAFT  
... A-3 AIRCRAFT

## ATTACK AIRCRAFT-(CONT.)

... A-4 AIRCRAFT  
... A-5 AIRCRAFT  
... A-6 AIRCRAFT  
... B-1 AIRCRAFT  
... B-26 AIRCRAFT  
... B-47 AIRCRAFT  
... B-50 AIRCRAFT  
... B-52 AIRCRAFT  
... B-57 AIRCRAFT  
... B-58 AIRCRAFT  
... B-66 AIRCRAFT  
... B-70 AIRCRAFT  
... F-100 AIRCRAFT  
... SHACKLETON BOMBER  
... VALIANT AIRCRAFT  
... VICTOR MK-1 AIRCRAFT  
... VULCAN AIRCRAFT  
... BREGUET 1150 AIRCRAFT  
... BUCCANEER AIRCRAFT  
... CL-41 AIRCRAFT  
... DH 112 AIRCRAFT  
... DH 115 AIRCRAFT  
... FIGHTER AIRCRAFT  
... ALPHA JET AIRCRAFT  
... F-2 AIRCRAFT  
... F-4 AIRCRAFT  
... F-5 AIRCRAFT  
... F-8 AIRCRAFT  
... F-9 AIRCRAFT  
... F-14 AIRCRAFT  
... F-15 AIRCRAFT  
... F-16 AIRCRAFT  
... F-17 AIRCRAFT  
... F-18 AIRCRAFT  
... F-20 AIRCRAFT  
... F-27 AIRCRAFT  
... F-84 AIRCRAFT  
... F-86 AIRCRAFT  
... F-89 AIRCRAFT  
... F-94 AIRCRAFT  
... F-100 AIRCRAFT  
... F-101 AIRCRAFT  
... F-102 AIRCRAFT  
... F-104 AIRCRAFT  
... F-105 AIRCRAFT  
... F-106 AIRCRAFT  
... F-111 AIRCRAFT  
... FV-12A AIRCRAFT  
... G-91 AIRCRAFT  
... G-95/4 AIRCRAFT  
... GA-5 AIRCRAFT  
... HARRIER AIRCRAFT  
... JAGUAR AIRCRAFT  
... JET PROVOST AIRCRAFT  
... MIG AIRCRAFT  
... MIRAGE AIRCRAFT  
... MIRAGE 3 AIRCRAFT  
... P-51 AIRCRAFT  
... P-1127 AIRCRAFT  
... P-1154 AIRCRAFT  
... SAAB 37 AIRCRAFT  
... SCIMITAR AIRCRAFT  
... VAMPIRE MK 35 AIRCRAFT  
... VJ-101 AIRCRAFT  
... YF-12 AIRCRAFT  
... YF-16 AIRCRAFT  
... OV-10 AIRCRAFT  
... P-308 AIRCRAFT  
... T-2 AIRCRAFT  
... TSR-2 AIRCRAFT  
RT AEROQUATIC VEHICLES  
... AIRCRAFT  
... ANTISUBMARINE WARFARE AIRCRAFT  
... JET AIRCRAFT  
... MILITARY AIRCRAFT  
... MILITARY HELICOPTERS  
... MRCA AIRCRAFT  
... SUPERSONIC AIRCRAFT  
... TERRAIN FOLLOWING AIRCRAFT  
... V/STOL AIRCRAFT

## ATTACKING (ASSAULTING)

UF ASSAULTING  
GS VIOLENCE  
RT ATTACKING (ASSAULTING)  
... ATTACK  
... MILITARY AIRCRAFT  
... TACTICS  
... WARFARE

## ATTENTION

RT ALERTNESS  
CONSCIOUSNESS

## ATTENUATION

GS ATTENUATION  
... ATMOSPHERIC ATTENUATION  
... AURORAL ABSORPTION  
... MICROWAVE ATTENUATION  
... SIDELOBE REDUCTION  
... WAVE ATTENUATION  
... ACOUSTIC ATTENUATION  
... SHOCK WAVE ATTENUATION  
... RADAR ATTENUATION  
... RADIO ATTENUATION  
RT ... ABSORPTION  
... ATTENUATORS  
... CONDUCTION  
... DAMPING  
... DIFFRACTION  
... DILUTION  
... DISSIPATION  
... ELECTROMAGNETIC ABSORPTION  
... ELECTROMAGNETIC WAVE  
... TRANSMISSION  
... ELIMINATION  
... FADING  
... IMPINGEMENT  
... INHIBITION  
... INTERNAL FRICTION  
... LIGHT (VISIBLE RADIATION)  
... MECHANICAL IMPEDANCE  
... PROPAGATION  
... REDUCTION  
... RETARDING  
... SHIELDING  
... SIGNAL FADING  
... SIGNAL TO NOISE RATIOS  
... SOUND PROPAGATION  
... SOUND TRANSMISSION  
... SPATIAL FILTERING  
... TRANSMISSION  
... TRANSMISSION LOSS  
... TRANSMITTERS  
... VIBRATION DAMPING  
... WAVE DEGRADATION  
... WAVE DIFFRACTION  
... WAVE DISPERSION  
... WAVE PROPAGATION

## ATTENUATION COEFFICIENTS

GS COEFFICIENTS  
... ATTENUATION COEFFICIENTS  
RT DIFFUSION COEFFICIENT  
FLOW COEFFICIENTS  
IMPEDANCE  
OPACITY  
REFLECTANCE  
SCATTERING COEFFICIENTS  
TRANSMISSION EFFICIENCY  
TRANSMITTANCE

## ATTENUATORS

GS ATTENUATORS  
... RESISTORS  
... POTENTIOMETERS (RESISTORS)  
... PRINTED RESISTORS  
... THERMISTORS  
RT ... ABSORBERS  
... ABSORBERS (MATERIALS)  
... ATTENUATION  
... BAFFLES  
... DEFLECTORS  
... DIFFUSERS  
... ELECTROMAGNETIC WAVE FILTERS  
... EQUALIZERS (CIRCUITS)  
... FILTERS  
... INSULATORS  
... INVERTERS  
... ISOLATORS  
... MUFFLERS  
... POWER LIMITERS  
... RADIATION SHIELDING  
... REFLECTORS  
... SHIELDING  
... SILENCERS  
... SUPPRESSORS

## ATTITUDE (INCLINATION)

UF SPATIAL ORIENTATION  
TILT  
TILTING  
GS ATTITUDE (INCLINATION)  
... PITCH (INCLINATION)  
... ROLL  
... SATELLITE ORIENTATION  
... YAW  
RT HORIZONTAL ORIENTATION  
INSTRUMENT ORIENTATION

## AUGMENTATION

### ATTITUDE (INCLINATION)-(CONT.)

MISALIGNMENT  
 ∞ MOTION  
 ∞ ORIENTATION  
 ∞ POSITION  
 ∞ SPACE ORIENTATION  
 STABILITY AUGMENTATION  
 TILTMETERS  
 VERTICAL ORIENTATION

### ATTITUDE CONTROL

GS **ATTITUDE CONTROL**  
 . DIRECTIONAL CONTROL  
 . . THRUST VECTOR CONTROL  
 . LATERAL CONTROL  
 . LONGITUDINAL CONTROL  
 . SATELLITE ATTITUDE CONTROL  
 RT AIR TRAFFIC CONTROL  
 AIRCRAFT CONTROL  
 AUTOMATIC CONTROL  
 COLD GAS  
 ∞ CONTROL  
 CONTROL MOMENT GYROSCOPES  
 FLIGHT CONTROL  
 GUIDANCE SENSORS  
 HELICOPTER CONTROL  
 HORIZON SCANNERS  
 MAGNETIC CONTROL  
 MANUAL CONTROL  
 MIRANDA SATELLITE  
 MISSILE CONTROL  
 ORBITAL LIFETIME  
 REACTION WHEELS  
 REMOTE CONTROL  
 ROCKET ENGINE CONTROL  
 SATELLITE CONTROL  
 SOLAR SENSORS  
 SPACECRAFT CONTROL  
 SPACING  
 SPIN STABILIZATION  
 STAR TRACKERS  
 THRUST CONTROL  
 TRAJECTORY CONTROL  
 VISUAL CONTROL

### ATTITUDE GYROS

GS GYROSCOPES  
 . **ATTITUDE GYROS**  
 . . GYRO HORIZONS  
 RT CONTROL MOMENT GYROSCOPES  
 SEA KEEPING

### ATTITUDE INDICATORS

UF HELICOPTER ATTITUDE INDICATORS  
 YAWMETERS  
 GS FLIGHT INSTRUMENTS  
 . **ATTITUDE INDICATORS**  
 . . GYRO HORIZONS  
 MEASURING INSTRUMENTS  
 . INDICATING INSTRUMENTS  
 . . **ATTITUDE INDICATORS**  
 . . . GYRO HORIZONS  
 NAVIGATION AIDS  
 . NAVIGATION INSTRUMENTS  
 . . **ATTITUDE INDICATORS**  
 . . . GYRO HORIZONS  
 RT AIRCRAFT INSTRUMENTS  
 CONTROL MOMENT GYROSCOPES  
 FLIGHT CONTROL

### ATTITUDE STABILITY

UF SATELLITE ATTITUDE DISTURBANCE  
 GS DYNAMIC CHARACTERISTICS  
 . DYNAMIC STABILITY  
 . . MOTION STABILITY  
 . . . **ATTITUDE STABILITY**  
 . . . . DIRECTIONAL STABILITY  
 . . . . . GYROSCOPIC STABILITY  
 . . . . . LATERAL STABILITY  
 . . . . . LONGITUDINAL STABILITY  
 STABILITY  
 . DYNAMIC STABILITY  
 . . MOTION STABILITY  
 . . . **ATTITUDE STABILITY**  
 . . . . DIRECTIONAL STABILITY  
 . . . . . GYROSCOPIC STABILITY  
 . . . . . LATERAL STABILITY  
 . . . . . LONGITUDINAL STABILITY  
 RT AERODYNAMIC STABILITY  
 AIRCRAFT STABILITY  
 DISCOS (SATELLITE ATTITUDE CONTROL)  
 HOVERING STABILITY  
 LOW SPEED STABILITY  
 SATELLITE ATTITUDE CONTROL

### ATTITUDE STABILITY-(CONT.)

SPACECRAFT MOTION  
 SPACECRAFT STABILITY  
 TUMBLING MOTION

### ATTRACTION

RT AFFINITY  
 FIELD THEORY (PHYSICS)  
 ∞ FORCE  
 GRAVITATIONAL FIELDS

### ATTRIBUTES

USE PROPERTIES

### ATTRITION (MATERIALS)

USE COMMINUTION

### AUDIO DATA

RT AUDIO FREQUENCIES  
 ∞ DATA  
 DATA TRANSMISSION

### AUDIO EQUIPMENT

GS **AUDIO EQUIPMENT**  
 . EARPHONES  
 . LOUDSPEAKERS  
 . MICROPHONES  
 RT ∞ EQUIPMENT  
 MONAURAL SIGNALS

### AUDIO FREQUENCIES

SN (APPROXIMATELY 20 TO 20,000 HZ)  
 GS FREQUENCIES  
 . ACOUSTIC FREQUENCIES  
 . . **AUDIO FREQUENCIES**  
 . . . QUEFRENCIES  
 RT ACOUSTIC MEASUREMENT  
 AUDIO DATA  
 AUDIO SIGNALS  
 AUDITORY PERCEPTION  
 CEPSTRAL ANALYSIS  
 EXTREMELY LOW RADIO FREQUENCIES  
 MONAURAL SIGNALS  
 NOISE POLLUTION  
 RADIO FREQUENCIES  
 SOUND GENERATORS  
 SOUND TRANSMISSION  
 SOUND WAVES  
 VERY LOW FREQUENCIES  
 VOICE

### AUDIO SIGNALS

RT AUDIO FREQUENCIES  
 AUDITORY SIGNALS  
 SIGNAL PROCESSING  
 SIGNAL TRANSMISSION  
 ∞ SIGNALS

### AUDIO VISUAL EQUIPMENT

USE TRAINING DEVICES  
 VISUAL AIDS

### AUDIOLOGY

GS PHYSIOLOGY  
 . **AUDIOLOGY**  
 RT AUDIOMETRY  
 AUDITORY FATIGUE  
 AUDITORY PERCEPTION  
 HEARING

### AUDIOMETRY

RT ACOUSTIC MEASUREMENT  
 AUDIOLOGY  
 AUDITORY DEFECTS  
 AUDITORY FATIGUE  
 AUDITORY PERCEPTION  
 AUDITORY STIMULI  
 HEARING  
 MASKING  
 ∞ MEASUREMENT  
 THRESHOLDS (PERCEPTION)

### AUDITORY DEFECTS

UF DEAFNESS  
 HEARING LOSS  
 GS DEFECTS

### . AUDITORY DEFECTS

RT AUDIOMETRY  
 BIOACOUSTICS  
 LOSSES

### AUDITORY FATIGUE

GS FATIGUE (BIOLOGY)  
 . **AUDITORY FATIGUE**

### AUDITORY FATIGUE-(CONT.)

RT AUDIOLOGY  
 AUDIOMETRY  
 HEARING  
 NOISE THRESHOLD

### AUDITORY PERCEPTION

UF SOUND PERCEPTION  
 GS PERCEPTION  
 . SENSORY PERCEPTION  
 . . **AUDITORY PERCEPTION**  
 RT ACOUSTICS  
 AUDIO FREQUENCIES  
 AUDIOLOGY  
 AUDIOMETRY  
 AUDITORY SENSATION AREAS  
 BINAURAL HEARING  
 EAR  
 EARPHONES  
 MONAURAL SIGNALS  
 NOISE THRESHOLD  
 PSYCHOACOUSTICS  
 SENSITIVITY  
 SOUND LOCALIZATION  
 SOUND WAVES  
 SPEECH  
 THRESHOLDS (PERCEPTION)  
 WEBER TEST

### AUDITORY SENSATION AREAS

RT AUDITORY PERCEPTION  
 AUDITORY STIMULI  
 BIOACOUSTICS  
 THRESHOLDS (PERCEPTION)

### AUDITORY SIGNALS

UF CHIMES  
 RT AUDIO SIGNALS  
 BELLS  
 CUES  
 HORNS  
 MONAURAL SIGNALS  
 PSYCHOACOUSTICS  
 SIGNAL MIXING  
 ∞ SIGNALS  
 WARNING  
 WARNING SYSTEMS

### AUDITORY STIMULI

GS STIMULATION  
 . **AUDITORY STIMULI**  
 RT ACOUSTICS  
 AUDIOMETRY  
 AUDITORY SENSATION AREAS  
 NOISE (SOUND)  
 NOISE INTENSITY  
 SOUND GENERATORS  
 SOUND INTENSITY  
 ∞ STIMULI  
 THRESHOLDS (PERCEPTION)

### AUDITORY TASKS

GS TASKS  
 . **AUDITORY TASKS**  
 RT ACOUSTICS  
 HEARING  
 NOISE (SOUND)

### AUFEIS (ICE)

RT ICE  
 MELTING  
 PERMAFROST  
 RIVERS

### AUGER EFFECT

RT COSMIC RAY SHOWERS  
 ∞ EFFECTS  
 ELECTRON TRANSITIONS

### AUGER SPECTROSCOPY

GS SPECTROSCOPY  
 . **AUGER SPECTROSCOPY**  
 RT CHEMICAL ANALYSIS  
 ELECTRON TRANSITIONS  
 SPECTROSCOPIC ANALYSIS  
 THERMITES

### AUGMENTATION

UF ENHANCEMENT  
 GS **AUGMENTATION**  
 . STABILITY AUGMENTATION  
 . THRUST AUGMENTATION  
 RT INCREASING  
 SPATIAL FILTERING

## AURIGA CONSTELLATION

**AURIGA CONSTELLATION**  
GS CONSTELLATIONS  
RT ZETA AURIGAE STAR

**AURORA 7**  
GS MANNED SPACECRAFT  
MERCURY SPACECRAFT  
AURORA 7  
REENTRY VEHICLES  
RECOVERABLE SPACECRAFT  
MERCURY SPACECRAFT  
AURORA 7  
SOFT LANDING SPACECRAFT  
MERCURY SPACECRAFT  
AURORA 7  
SPACE CAPSULES  
MERCURY SPACECRAFT  
AURORA 7  
RT MERCURY MA-7 FLIGHT

**AURORAL ABSORPTION**  
GS ATTENUATION  
ATMOSPHERIC ATTENUATION  
AURORAL ABSORPTION  
ENERGY ABSORPTION  
RADIATION ABSORPTION  
ELECTROMAGNETIC ABSORPTION  
AURORAL ABSORPTION  
RT ABSORPTION  
LIGHT EMISSION  
RIOMETERS

**AURORAL ACTIVITY**  
USE AURORAS

**AURORAL ARCS**  
GS ATMOSPHERIC RADIATION  
AURORAS  
AURORAL ARCS  
RED ARCS  
RT ARCS

**AURORAL ECHOES**  
GS ECHOES  
AURORAL ECHOES  
RT RADAR ECHOES  
RADIO ECHOES

**AURORAL ELECTROJETS**  
GS ELECTRIC CURRENT  
IONOSPHERIC CURRENTS  
ELECTROJETS  
AURORAL ELECTROJETS  
ELECTRICITY  
ATMOSPHERIC ELECTRICITY  
IONOSPHERIC CURRENTS  
ELECTROJETS  
AURORAL ELECTROJETS  
RT EQUATORIAL ELECTROJET  
TELLURIC CURRENTS

**AURORAL IONIZATION**  
GS IONIZATION  
GAS IONIZATION  
ATMOSPHERIC IONIZATION  
AURORAL IONIZATION  
RT AURORAS  
EXCITATION  
LIGHT EMISSION  
PHOTOIONIZATION  
RED ARCS

**AURORAL IRRADIATION**  
GS IRRADIATION  
AURORAL IRRADIATION  
RT AURORAS  
ELECTRON IRRADIATION  
EXCITATION  
ION IRRADIATION  
PHOTOIONIZATION

**AURORAL SPECTROSCOPY**  
GS SPECTROSCOPY  
AURORAL SPECTROSCOPY  
RT CHANNEL MULTIPLIERS  
FABRY-PEROT SPECTROMETERS  
LIGHT EMISSION  
OPTICAL EMISSION SPECTROSCOPY  
SPECTROSCOPIC ANALYSIS  
VISIBLE SPECTRUM

**AURORAL TEMPERATURE**  
GS TEMPERATURE

**AURORAL TEMPERATURE-(CONT.)**  
ATMOSPHERIC TEMPERATURE  
AURORAL TEMPERATURE  
RT AURORAS  
ION TEMPERATURE  
IONOSPHERIC TEMPERATURE

**AURORAL ZONES**  
GS REGIONS  
AURORAL ZONES  
RT AURORAS  
MAGNETIC POLES  
POLAR RADIO BLACKOUT  
POLAR REGIONS

**AURORAS**  
UF AURORAL ACTIVITY  
POLAR AURORAS  
GS ATMOSPHERIC RADIATION  
AURORAS  
AURORAL ARCS  
RED ARCS  
RADIO AURORAS  
RT AERONOMY  
AIRGLOW  
AURORAL IONIZATION  
AURORAL IRRADIATION  
AURORAL TEMPERATURE  
AURORAL ZONES  
DAWN CHORUS  
EARTH ATMOSPHERE  
ELECTRON PRECIPITATION  
ESRO 4 SATELLITE  
LIGHT EMISSION  
MAGNETIC DISTURBANCES  
NIGHT SKY  
PROTON PRECIPITATION  
SKY BRIGHTNESS  
SOLAR ACTIVITY  
X RAYS

**AUSFORMING**  
GS FORMING TECHNIQUES  
HOT WORKING  
AUSFORMING  
METAL WORKING  
AUSFORMING  
RT FORGING  
ROLLING

**AUSTENITE**  
RT ALLOTROPY  
FERRITES  
IRON ALLOYS  
MARTENSITE  
MARTENSITIC TRANSFORMATION  
MICROSTRUCTURE  
STEELS

**AUSTENITIC STAINLESS STEELS**  
GS ALLOYS  
IRON ALLOYS  
STEELS  
STAINLESS STEELS  
AUSTENITIC STAINLESS STEELS  
RT MARTENSITIC STAINLESS STEELS  
TIME TEMPERATURE PARAMETER

**AUSTRALIA**  
GS CONTINENTS  
AUSTRALIA  
NATIONS  
AUSTRALIA  
RT PAPUA NEW GUINEA  
TASMANIA  
TORRES STRAIT

**AUSTRALITES**  
GS CELESTIAL BODIES  
METEORITES  
STONY METEORITES  
TEKTITES  
AUSTRALITES  
RT BEDIASITES

**AUSTRIA**  
GS NATIONS  
AUSTRIA  
RT ALPS MOUNTAINS (EUROPE)  
CENTRAL EUROPE  
EUROPE

**AUTOCATALYSIS**  
GS CATALYSIS

**AUTOCATALYSIS-(CONT.)**  
AUTOCATALYSIS  
RT A BIOGENESIS  
CATALYTIC ACTIVITY  
REACTION KINETICS

**AUTOCLAVES**  
RT AUTOCLAVING  
CHEMICAL REACTORS  
CONTAINERS  
PRESSURE VESSELS

**AUTOCLAVING**  
RT AUTOCLAVES  
CURING  
HEATING  
LEACHING  
POWDER METALLURGY

**AUTOCODERS**  
GS LANGUAGES  
PROGRAMMING LANGUAGES  
ASSEMBLY LANGUAGE  
AUTOCODERS  
RT COMPILERS  
COMPUTER PROGRAMMING  
COMPUTER SYSTEMS PROGRAMS  
MACHINE ORIENTED LANGUAGES

**AUTOCOLLIMATORS**  
USE COLLIMATORS

**AUTOCORRELATION**  
GS CORRELATION  
AUTOCORRELATION  
RT CROSS CORRELATION  
DATA CORRELATION  
FOURIER ANALYSIS  
PERIODIC VARIATIONS  
TIME SERIES ANALYSIS

**AUTODYNES**  
GS CIRCUITS  
AUTODYNES  
OSCILLATORS  
AUTODYNES  
RT DETECTORS  
FREQUENCY CONTROL  
HETERODYNING  
SIGNAL ANALYZERS  
SIGNAL DETECTION  
SIGNAL DETECTORS  
VACUUM TUBE OSCILLATORS

**AUTOGYROS**  
GS V/STOL AIRCRAFT  
ROTARY WING AIRCRAFT  
AUTOGYROS  
AVIAN 2/180 AUTOGIRO

**AUTOIONIZATION**  
GS DISSOCIATION  
AUTOIONIZATION  
IONIZATION  
AUTOIONIZATION  
RT ATOMIC COLLISIONS  
MANY ELECTRON EFFECTS

**AUTOKINESIS**  
GS PERCEPTION  
SENSORY PERCEPTION  
PROPRIOCEPTION  
AUTOKINESIS  
VISUAL PERCEPTION  
SPACE PERCEPTION  
AUTOKINESIS

**AUTOMATA THEORY**  
RT ADAPTIVE CONTROL  
ARTIFICIAL INTELLIGENCE  
AUTOMATION  
BIONICS  
COMPUTERS  
CYBERNETICS  
DEPERSONALIZATION  
HEURISTIC METHODS  
INFORMATION THEORY  
LEARNING MACHINES  
MODEL REFERENCE ADAPTIVE  
CONTROL  
ROBOTICS  
ROBOTS  
SELF ADAPTIVE CONTROL SYSTEMS  
THEORIES

## AUTOMATIC PILOTS

### AUTOMATA THEORY-(CONT.) TURING MACHINES

#### AUTOMATED EN ROUTE ATC

- GS GROUND BASED CONTROL
  - . AIR TRAFFIC CONTROL
  - . . . **AUTOMATED EN ROUTE ATC**
  - TRAFFIC CONTROL
  - . AIR TRAFFIC CONTROL
  - . . . **AUTOMATED EN ROUTE ATC**
- RT AIRCRAFT GUIDANCE
  - APPROACH CONTROL
  - AUTOMATED PILOT ADVISORY SYSTEM
  - FLIGHT CONTROL
  - GROUND-AIR-GROUND COMMUNICATION
  - MICROWAVE LANDING SYSTEMS

#### AUTOMATED GUIDEWAY TRANSIT VEHICLES

- UF AGT
- GS SURFACE VEHICLES
  - . AUTOMATED TRANSIT VEHICLES
  - . . . **AUTOMATED GUIDEWAY TRANSIT VEHICLES**
- RT AUTOMATED MIXED TRAFFIC VEHICLES
  - CONVEYORS
  - PASSENGERS
  - RAIL TRANSPORTATION
  - RAPID TRANSIT SYSTEMS
  - TRANSPORTATION
  - URBAN TRANSPORTATION
- ∞ VEHICLES

#### AUTOMATED MIXED TRAFFIC VEHICLES

- UF AMTV
- GS RESEARCH VEHICLES
  - . **AUTOMATED MIXED TRAFFIC VEHICLES**
  - SURFACE VEHICLES
  - . MOTOR VEHICLES
  - . . . **AUTOMATED MIXED TRAFFIC VEHICLES**
- RT AUTOMATED GUIDEWAY TRANSIT VEHICLES
  - PASSENGERS
  - URBAN TRANSPORTATION
- ∞ VEHICLES

#### AUTOMATED PILOT ADVISORY SYSTEM

- RT AIR TRAFFIC CONTROL
  - AUTOMATED EN ROUTE ATC
  - AUTOMATIC TRAFFIC ADVISORY AND RESOLUTION
- ∞ SYSTEMS

#### AUTOMATED RADAR TERMINAL SYSTEM

- RT AIR TRAFFIC CONTROL
  - RADAR EQUIPMENT
  - RADAR TRACKING
- ∞ SYSTEMS

#### AUTOMATED TRANSIT VEHICLES

- GS SURFACE VEHICLES
  - . **AUTOMATED TRANSIT VEHICLES**
  - . . . AUTOMATED GUIDEWAY TRANSIT VEHICLES
- RT CONVEYORS
  - ELECTRIC MOTOR VEHICLES
  - PASSENGERS
  - RAIL TRANSPORTATION
  - RAPID TRANSIT SYSTEMS
  - TRANSPORTATION
  - URBAN TRANSPORTATION
- ∞ VEHICLES

#### AUTOMATIC CONTROL

- UF SELF REGULATING
- GS **AUTOMATIC CONTROL**
  - . ADAPTIVE CONTROL
  - . . ACTIVE CONTROL
  - . . LEARNING MACHINES
  - . . MODEL REFERENCE ADAPTIVE CONTROL
  - . . SELF ADAPTIVE CONTROL SYSTEMS
  - . AUTOMATIC FLIGHT CONTROL
  - . AUTOMATIC LANDING CONTROL
  - . AUTOMATIC FREQUENCY CONTROL
  - . AUTOMATIC GAIN CONTROL
  - . DYNAMIC CONTROL
  - . FEEDBACK CONTROL
  - . . CASCADE CONTROL
  - . FEEDFORWARD CONTROL
  - . NUMERICAL CONTROL
  - . OFF-ON CONTROL
  - . OPTIMAL CONTROL
  - . . LINEAR QUADRATIC REGULATOR

### AUTOMATIC CONTROL-(CONT.)

- . . . LINEAR QUADRATIC GAUSSIAN CONTROL
- . . TIME OPTIMAL CONTROL
- . PROPORTIONAL CONTROL
- . SELF ALIGNMENT
- . SEQUENTIAL CONTROL
- RT AIRCRAFT CONTROL
  - ATTITUDE CONTROL
- ∞ AUTOMATION
  - COMBUSTION CONTROL
- ∞ CONTROL
  - CONTROL EQUIPMENT
  - CONTROL SYSTEMS DESIGN
  - CONTROLLERS
  - DEPERSONALIZATION
  - DIRECTIONAL CONTROL
  - DYNAMIC CHARACTERISTICS
  - ELECTRIC CONTROL
  - ELECTRONIC AIRCRAFT
  - ELECTRONIC CONTROL
  - ENGINE CONTROL
  - ENVIRONMENTAL CONTROL
  - FLIGHT CONTROL
  - GROUND BASED CONTROL
  - GUIDANCE (MOTION)
  - HELICOPTER CONTROL
  - HYDRAULIC CONTROL
- ∞ INSTRUMENTS
  - JET CONTROL
  - LANDING INSTRUMENTS
  - LATERAL CONTROL
  - LONGITUDINAL CONTROL
  - MANUAL CONTROL
  - MEASURING INSTRUMENTS
  - MISSILE CONTROL
  - NEGATIVE FEEDBACK
  - PNEUMATIC CONTROL
  - RADIO CONTROL
  - REAL TIME OPERATION
  - RECORDING INSTRUMENTS
  - REENTRY GUIDANCE
  - REGULATORS
  - RELIEF VALVES
  - REMOTE CONTROL
  - ROBOTICS
  - ROCKET ENGINE CONTROL
  - SATELLITE ATTITUDE CONTROL
  - SATELLITE CONTROL
  - SATELLITE GUIDANCE
  - SELF ABSORPTION
  - SERVOCONTROL
  - SERVOMECHANISMS
  - SERVOMOTORS
  - SPACECRAFT CONTROL
  - SPACECRAFT GUIDANCE
  - SPEED CONTROL
  - STABILITY AUGMENTATION
  - TEMPERATURE CONTROL
  - TERMINAL CONFIGURED VEHICLE PROGRAM
  - THERMOSTATS
  - THRUST VECTOR CONTROL
  - TRACKING PROBLEM
  - TRANSFER FUNCTIONS
  - TURBOJET ENGINE CONTROL

#### AUTOMATIC CONTROL VALVES

- GS VALVES
  - . **AUTOMATIC CONTROL VALVES**
  - . . PRESSURE REGULATORS
  - . . RELIEF VALVES
- RT ACTUATORS
  - ∞ CONTROL
    - DAMPERS (VALVES)
    - DYNAMIC CHARACTERISTICS
    - FLUID AMPLIFIERS
    - FLUID SWITCHING ELEMENTS
    - GAS VALVES
    - HYDRAULIC EQUIPMENT
    - PNEUMATIC CONTROL
    - REGULATORS
    - SERVOMECHANISMS
    - SOLENOID VALVES
    - TEMPERATURE CONTROL

#### AUTOMATIC DATA PROCESSING

- USE DATA PROCESSING

#### AUTOMATIC FLIGHT CONTROL

- UF AFCS (CONTROL SYSTEM)
- GS AUTOMATIC CONTROL
  - . **AUTOMATIC FLIGHT CONTROL**
  - . . AUTOMATIC LANDING CONTROL
  - FLIGHT CONTROL

### AUTOMATIC FLIGHT CONTROL-(CONT.)

- . **AUTOMATIC FLIGHT CONTROL**
- . . AUTOMATIC LANDING CONTROL
- RT AIRCRAFT CONTROL
  - AIRCRAFT INSTRUMENTS
  - AUTONOMOUS NAVIGATION
- ∞ CONTROL
  - DISTANCE MEASURING EQUIPMENT
  - FLIGHT MANAGEMENT SYSTEMS
  - HIGHLY MANEUVERABLE AIRCRAFT
  - MISSILE CONTROL
  - NAVIGATION
  - NAVIGATION AIDS
  - RADAR NAVIGATION
  - RADIO NAVIGATION
  - SOLAR COMPASSES
  - TERMINAL CONFIGURED VEHICLE PROGRAM
  - THRUST VECTOR CONTROL

#### AUTOMATIC FREQUENCY CONTROL

- UF AFC (CONTROL)
- GS AUTOMATIC CONTROL
  - . **AUTOMATIC FREQUENCY CONTROL**
  - REGULATORS
  - . FREQUENCY CONTROL
  - . . **AUTOMATIC FREQUENCY CONTROL**
- RT ∞ CONTROL
  - FEEDBACK CONTROL
  - FREQUENCY MODULATION
  - OSCILLATORS
  - TUNING

#### AUTOMATIC GAIN CONTROL

- UF AGC (CONTROL)
- GS AUTOMATIC CONTROL
  - . **AUTOMATIC GAIN CONTROL**
- RT ∞ CONTROL
  - FEEDBACK CONTROL
  - TUNING

#### AUTOMATIC LANDING CONTROL

- GS AUTOMATIC CONTROL
  - . AUTOMATIC FLIGHT CONTROL
  - . . **AUTOMATIC LANDING CONTROL**
  - FLIGHT CONTROL
  - . AUTOMATIC FLIGHT CONTROL
  - . . **AUTOMATIC LANDING CONTROL**
  - LANDING AIDS
  - . INSTRUMENT LANDING SYSTEMS
  - . **AUTOMATIC LANDING CONTROL**
- RT AIRBORNE EQUIPMENT
  - AIRCRAFT EQUIPMENT
  - BLIND LANDING
  - DISTANCE MEASURING EQUIPMENT
  - FLIGHT MANAGEMENT SYSTEMS
  - MICROWAVE LANDING SYSTEMS
  - TERMINAL CONFIGURED VEHICLE PROGRAM

#### AUTOMATIC LIGHT AIRCRAFT READINESS MONITOR

- USE ALARM PROJECT

#### AUTOMATIC PATTERN RECOGNITION

- USE PATTERN RECOGNITION

#### AUTOMATIC PICTURE TRANSMISSION

- UF APT (PICTURE TRANSMISSION)
- GS TRANSMISSION
  - . SIGNAL TRANSMISSION
  - . . DATA TRANSMISSION
  - . . . **AUTOMATIC PICTURE TRANSMISSION**
- RT TELEVISION TRANSMISSION
  - WAVE PROPAGATION

#### AUTOMATIC PILOTS

- UF AUTOPILOTS
- GS AIRCRAFT INSTRUMENTS
  - . **AUTOMATIC PILOTS**
  - FLIGHT INSTRUMENTS
  - . **AUTOMATIC PILOTS**
- RT AIRCRAFT EQUIPMENT
  - FLIGHT CONTROL
  - GYROSCOPES
  - HIGHLY MANEUVERABLE AIRCRAFT
  - HOMING
  - LANDING AIDS
  - NAVIGATION AIDS
- ∞ PILOTS
  - RADIO ALTIMETERS
  - SOLAR COMPASSES

## AUTOMATIC ROCKET IMPACT PREDICTORS

### AUTOMATIC ROCKET IMPACT PREDICTORS

USE COMPUTERIZED SIMULATION  
IMPACT PREDICTION

### AUTOMATIC TEST EQUIPMENT

RT ∞ EQUIPMENT  
MEASURING INSTRUMENTS  
SELF TESTS  
SNEAK CIRCUIT ANALYSIS  
∞ TEST EQUIPMENT

### AUTOMATIC TRAFFIC ADVISORY AND RESOLUTION

SN (AUTOMATIC TRAFFIC ADVISORY AND  
RESOLUTION SERVICE)  
UF ATARS  
RT AUTOMATED PILOT ADVISORY SYSTEM  
COLLISION AVOIDANCE  
GROUND BASED CONTROL  
NAVIGATION AIDS  
RESOLUTION  
∞ SYSTEMS

### AUTOMATIC TYPEWRITERS

UF FLEXOWRITERS (TRADEMARK)  
GS TYPEWRITERS  
∞ AUTOMATIC TYPEWRITERS  
RT CONSOLES  
DISPLAY DEVICES  
PRINTERS (DATA PROCESSING)  
PUNCHED TAPES

### AUTOMATIC WEATHER STATIONS

GS STATIONS  
WEATHER STATIONS  
∞ AUTOMATIC WEATHER STATIONS  
RT DATA ACQUISITION  
DATA COLLECTION PLATFORMS  
INSTRUMENT PACKAGES  
METEOROLOGICAL SERVICES  
OCEAN DATA ACQUISITIONS SYSTEMS  
REMOTE SENSORS  
WEATHER DATA RECORDERS

### ∞ AUTOMATION

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
UF INSTRUMENTAL ANALYSIS  
RT AUTOMATA THEORY  
AUTOMATIC CONTROL  
COMMAND AND CONTROL  
COMPUTER VISION  
COMPUTERS  
CONTROL SYSTEMS DESIGN  
CONTROLLERS  
CYBERNETICS  
DATA PROCESSING  
DEPERSONALIZATION  
FAIL-SAFE SYSTEMS  
FEEDBACK CONTROL  
FEEDFORWARD CONTROL  
INFORMATION THEORY  
MAN MACHINE SYSTEMS  
MATERIALS HANDLING  
MECHANIZATION  
NUMERICAL CONTROL  
OFFICE AUTOMATION  
REMOTE CONTROL  
ROBOTICS  
SELF ERECTING DEVICES  
SELF REPAIRING DEVICES  
SERVOMECHANISMS  
SYSTEMS ENGINEERING  
TOOLING

### AUTOMOBILE ACCIDENTS

RT ACCIDENT INVESTIGATION  
ACCIDENT PREVENTION  
ACCIDENTS  
SAFETY DEVICES

### AUTOMOBILE ENGINES

RT EXTERNAL COMBUSTION ENGINES  
INTERNAL COMBUSTION ENGINES  
PISTON ENGINES  
ROTARY ENGINES  
STIRLING ENGINES  
TURBINE ENGINES  
WANKEL ENGINES

### AUTOMOBILE FUELS

GS FUELS  
CHEMICAL FUELS  
LIQUID FUELS

### AUTOMOBILE FUELS-(CONT.)

RT ∞ AUTOMOBILE FUELS  
AIRCRAFT FUELS  
ANTIKNOCK ADDITIVES  
DIESEL FUELS  
GASOLINE  
HYDROCARBON FUELS  
INTERNAL COMBUSTION ENGINES  
SYNTHANE

### AUTOMOBILES

UF JEEPS  
GS SURFACE VEHICLES  
MOTOR VEHICLES  
∞ AUTOMOBILES  
RT ∞ ELECTRIC AUTOMOBILES  
AIR BAG RESTRAINT DEVICES  
ANTISKID DEVICES  
CHASSIS  
ELECTRIC HYBRID VEHICLES  
ELECTRIC MOTOR VEHICLES  
FUEL SYSTEMS  
HYDROGEN ENGINES  
IGNITION SYSTEMS  
LUBRICATION SYSTEMS  
∞ MILITARY VEHICLES  
TRAILERS  
TRUCKS  
∞ VEHICLES

### AUTOMORPHISMS

GS ALGEBRA  
GROUP THEORY  
HOMOMORPHISMS  
∞ AUTOMORPHISMS

### AUTONOMIC NERVOUS SYSTEM

GS ANATOMY  
NERVOUS SYSTEM  
∞ AUTONOMIC NERVOUS SYSTEM  
SYMPATHETIC NERVOUS SYSTEM  
RT INVOLUNTARY ACTIONS  
∞ SYSTEMS

### AUTONOMOUS NAVIGATION

RT AUTOMATIC FLIGHT CONTROL  
CELESTIAL NAVIGATION  
NAVIGATION AIDS  
NAVIGATION INSTRUMENTS  
SATELLITE NAVIGATION SYSTEMS  
SPACE NAVIGATION  
SPACECRAFT GUIDANCE

### AUTONOMOUS SPACECRAFT CLOCKS

GS MEASURING INSTRUMENTS  
TIME MEASURING INSTRUMENTS  
CLOCKS  
∞ AUTONOMOUS SPACECRAFT  
CLOCKS  
RT ATOMIC CLOCKS  
GLOBAL POSITIONING SYSTEM  
SPACECRAFT INSTRUMENTS  
TDR SATELLITES

### AUTONOMY

RT ADAPTIVE CONTROL  
COMMAND AND CONTROL  
∞ COMMANDS  
∞ DIRECTION  
EQUATIONS OF MOTION  
MANAGEMENT  
MODEL REFERENCE ADAPTIVE  
CONTROL  
SELF ADAPTIVE CONTROL SYSTEMS

### AUTOPILOTS

USE AUTOMATIC PILOTS

### AUTOPSIES

RT DISSECTION  
PATHOLOGY

### AUTORADIOGRAPHY

GS IMAGERY  
RADIOGRAPHY  
∞ AUTORADIOGRAPHY  
PHOTOGRAPHY  
RT ∞ AUTORADIOGRAPHY  
BLACK AND WHITE PHOTOGRAPHY

### AUTOREGRESSIVE PROCESSES

RT FACTOR ANALYSIS  
∞ PROCESSES  
REGRESSION ANALYSIS

### AUTOREGRESSIVE PROCESSES-(CONT.)

STATISTICAL ANALYSIS

### AUTOROTATION

UF WINDMILLING  
GS GYRATION  
ROTATION  
∞ AUTOROTATION  
RT ROTARY WING AIRCRAFT  
ROTOCHUTES

### AUTOTROPHS

GS AUTOTROPHS  
HYDROGENOMONAS  
RT HETEROTROPHS

### AUTUMN

GS SEASONS  
∞ AUTUMN  
RT SPRING (SEASON)  
SUMMER  
WINTER

### AUXILIARY EQUIPMENT (COMPUTERS)

USE PERIPHERAL EQUIPMENT (COMPUTERS)

### AUXILIARY POWER SOURCES

GS AUXILIARY POWER SOURCES  
CHEMICAL AUXILIARY POWER UNITS  
NUCLEAR AUXILIARY POWER UNITS  
SNAP  
FISSION ELECTRIC CELLS  
SNAP 2  
SNAP 4  
SNAP 8  
SNAP 10A  
SNAP 1  
SNAP 3  
SNAP 7  
SNAP 9A  
SNAP 11  
SNAP 13  
SNAP 15  
SNAP 17  
SNAP 19  
SNAP 21  
SNAP 23  
SNAP 27  
SNAP 29  
SNAP 50  
SPACE POWER REACTORS  
FISSION ELECTRIC CELLS  
SNAP 2  
SNAP 4  
SNAP 8  
SNAP 10A  
SNAP 50  
SPACE POWER UNIT REACTORS  
SOLAR AUXILIARY POWER UNITS  
ASTEC SOLAR TURBOELECTRIC  
GENERATOR  
RT SUNFLOWER POWER SYSTEM  
AIRCRAFT POWER SUPPLIES  
DIRECT POWER GENERATORS  
ELECTRIC BATTERIES  
ELECTRIC GENERATORS  
∞ ELECTRIC POWER  
ELECTRIC POWER SUPPLIES  
∞ ENERGY SOURCES  
GROUND SUPPORT EQUIPMENT  
∞ POWER SUPPLIES  
SPACECRAFT POWER SUPPLIES  
VOLTAGE CONVERTERS (AC TO AC)  
VOLTAGE CONVERTERS (DC TO DC)

### AUXILIARY PROPULSION

GS PROPULSION  
∞ AUXILIARY PROPULSION  
RT AERONAUTICAL ENGINEERING  
∞ ASTRONAUTICS  
ENGINES  
HYDROGEN OXYGEN ENGINES  
MARQUARDT R4D ENGINE  
MISSILES  
PROPELLANTS  
PROPULSION SYSTEM CONFIGURATIONS  
ROCKET PROPELLANTS  
SPACE FLIGHT  
SPACE SHUTTLES  
SPACE STATION PROPULSION  
∞ SPACECRAFT  
THRUST

### AV-8A AIRCRAFT

USE HARRIER AIRCRAFT

## AXIAL STRESS

**AV-8B AIRCRAFT**  
USE HARRIER AIRCRAFT

**AVAILABILITY**  
RT ABUNDANCE  
ENERGY POLICY  
RESERVES  
RESOURCES

**AVALANCHE DIODES**  
UF IMPATT DIODES  
TRAPATT DIODES  
ZENER DIODES  
GS ELECTRONIC EQUIPMENT  
. DIODES  
. . . SEMICONDUCTOR DIODES  
. . . . **AVALANCHE DIODES**  
. . . . SOLID STATE DEVICES  
. . . . SEMICONDUCTOR DEVICES  
. . . . **AVALANCHE DIODES**  
. . . . CRYOSAR  
RECTIFIERS  
. **AVALANCHE DIODES**  
. . CRYOSAR  
RT BARRITT DIODES  
ION IMPLANTATION  
NEGATIVE CONDUCTANCE  
TRAPATT DEVICES  
VOLTAGE REGULATORS

**AVALANCHES**  
GS **AVALANCHES**  
. ELECTRON AVALANCHE  
. TOWNSEND AVALANCHE  
RT EARTH MOVEMENTS  
ELECTRIC DISCHARGES  
ION PRODUCTION RATES  
IONIZING RADIATION

**AVCS**  
USE ADVANCED VIDICON CAMERA SYSTEM  
(AVCS)

**AVERAGE**  
GS **AVERAGE**  
. MEAN  
RT DISTRIBUTION MOMENTS  
MEDIAN (STATISTICS)  
MODE (STATISTICS)  
NORMALITY  
NORMS  
QUALITY CONTROL

**AVIAN 2/180 AUTOGIRO**  
GS RESEARCH AIRCRAFT  
. **AVIAN 2/180 AUTOGIRO**  
V/STOL AIRCRAFT  
. ROTARY WING AIRCRAFT  
. . AUTOGYROS  
. . . **AVIAN 2/180 AUTOGIRO**

**AVIATION**  
USE AERONAUTICS

**AVIATION METEOROLOGY**  
GS METEOROLOGY  
. **AVIATION METEOROLOGY**  
RT AIRCRAFT ACCIDENT INVESTIGATION  
AIRCRAFT ACCIDENTS  
AIRCRAFT HAZARDS  
ATMOSPHERIC TURBULENCE  
CIVIL AVIATION  
CLEAR AIR TURBULENCE  
FLIGHT CONDITIONS  
FLIGHT HAZARDS  
FLIGHT SAFETY  
FOG  
METEOROLOGICAL PARAMETERS  
METEOROLOGICAL SERVICES  
∞ MILITARY AVIATION  
NOWCASTING  
NUMERICAL WEATHER FORECASTING  
RUNWAY CONDITIONS  
WIND SHEAR

**AVIATION PSYCHOLOGY**  
GS AEROSPACE MEDICINE  
. **AVIATION PSYCHOLOGY**  
PSYCHOLOGY  
. **AVIATION PSYCHOLOGY**  
RT AIRCRAFT PILOTS  
MILITARY PSYCHOLOGY  
PILOT TRAINING  
PSYCHOLOGICAL EFFECTS

**AVIATION PSYCHOLOGY-(CONT.)**  
PSYCHOLOGICAL FACTORS  
SPACE PSYCHOLOGY

**AVIATORS**  
USE AIRCRAFT PILOTS

**AVIONICS**  
RT ∞ AERONAUTICS  
AIRBORNE EQUIPMENT  
AIRCRAFT COMMUNICATION  
AIRCRAFT EQUIPMENT  
AIRCRAFT INSTRUMENTS  
ASTRONICS  
∞ ASTRONAUTICS  
∞ CONTROL  
∞ ELECTRONICS  
FLIGHT MANAGEMENT SYSTEMS  
GUIDANCE (MOTION)  
HEAD-UP DISPLAYS  
MODULARITY  
SELF TESTS  
SINGLE EVENT UPSETS  
SYSTEMS INTEGRATION  
∞ TEST EQUIPMENT  
VIDEO LANDMARK ACQUISITION AND  
TRACKING

**AVOIDANCE**  
GS **AVOIDANCE**  
. COLLISION AVOIDANCE  
. . BEACON COLLISION AVOIDANCE  
SYSTEM  
. VORTEX AVOIDANCE  
RT ACCIDENT PREVENTION  
HAZARDS  
TRAFFIC  
TRAFFIC CONTROL  
WARNING SYSTEMS

**AVRO WHITWORTH HS-748 AIRCRAFT**  
USE HS-748 AIRCRAFT

**AVRO 698 AIRCRAFT**  
USE VULCAN AIRCRAFT

**AVRO 707 AIRCRAFT**  
GS HAWKER SIDDELEY AIRCRAFT  
. **AVRO 707 AIRCRAFT**  
JET AIRCRAFT  
. **AVRO 707 AIRCRAFT**  
MONOPLANES  
. **AVRO 707 AIRCRAFT**  
RESEARCH AIRCRAFT  
. **AVRO 707 AIRCRAFT**  
TAILLESS AIRCRAFT  
. **AVRO 707 AIRCRAFT**  
RT ∞ AIRCRAFT  
DELTA WINGS  
VULCAN AIRCRAFT

**AWACS AIRCRAFT**  
UF AIRBORNE WARNING AND CONTROL  
SYSTEM

GS **AWACS AIRCRAFT**  
. E-2 AIRCRAFT  
. E-3A AIRCRAFT  
. E-4A AIRCRAFT  
RT ∞ AIRCRAFT  
BOEING AIRCRAFT  
COMMAND AND CONTROL  
EARLY WARNING SYSTEMS  
GRUMMAN AIRCRAFT  
∞ MILITARY AIRCRAFT  
MILITARY TECHNOLOGY

**AWARDS**  
SN (EXCLUDES CONTACTS & GRANTS)  
RT ASTRONAUTS  
BIOGRAPHY  
SCIENTISTS

**AXAF**  
USE X RAY ASTROPHYSICS FACILITY

**AXES (COORDINATES)**  
USE COORDINATES

**AXES (REFERENCE LINES)**  
GS **AXES (REFERENCE LINES)**  
. AXES OF ROTATION  
. . EARTH AXIS  
RT COORDINATES

**AXES OF ROTATION**  
GS AXES (REFERENCE LINES)  
. **AXES OF ROTATION**  
. . EARTH AXIS  
RT BODIES OF REVOLUTION  
ROTATING BODIES  
ROTATION  
SHAFTS (MACHINE ELEMENTS)  
SYMMETRICAL BODIES

**AXIAL COMPRESSION LOADS**  
GS LOADS (FORCES)  
. AXIAL LOADS  
. . **AXIAL COMPRESSION LOADS**  
. . COMPRESSION LOADS  
. . **AXIAL COMPRESSION LOADS**  
RT AERODYNAMIC LOADS  
COMPRESSING  
DYNAMIC LOADS  
SHOCK LOADS  
STATIC LOADS  
STRUCTURAL DESIGN CRITERIA  
THRUST LOADS

**AXIAL COMPRESSORS**  
USE TURBOCOMPRESSORS

**AXIAL FLOW**  
GS FLUID FLOW  
. **AXIAL FLOW**  
RT ANNULAR FLOW  
AXISYMMETRIC FLOW  
COAXIAL FLOW  
COAXIAL NOZZLES  
COUNTERFLOW  
DISCHARGE COEFFICIENT  
FLOW GEOMETRY  
ONE DIMENSIONAL FLOW  
RADIAL FLOW  
THREE DIMENSIONAL FLOW  
TWO DIMENSIONAL FLOW

**AXIAL FLOW COMPRESSORS**  
USE TURBOCOMPRESSORS

**AXIAL FLOW PUMPS**  
GS PUMPS  
. **AXIAL FLOW PUMPS**  
. . TURBINE PUMPS  
RT CENTRIFUGAL PUMPS  
FUEL PUMPS

**AXIAL FLOW TURBINES**  
GS TURBOMACHINERY  
. TURBINES  
. . **AXIAL FLOW TURBINES**  
RT GAS TURBINE ENGINES  
GAS TURBINES  
STEAM TURBINES

**AXIAL LOADS**  
GS LOADS (FORCES)  
. **AXIAL LOADS**  
. . AXIAL COMPRESSION LOADS  
RT AERODYNAMIC LOADS  
COMPRESSION LOADS  
DYNAMIC LOADS  
STATIC LOADS  
STRUCTURAL DESIGN CRITERIA  
THRUST LOADS

**AXIAL MODES**  
GS MODES  
. **AXIAL MODES**  
RT COMBUSTION STABILITY  
LASER MODES  
PROPELLANT COMBUSTION  
ROCKET ENGINES

**AXIAL STRAIN**  
UF AXISYMMETRIC DEFORMATION  
UNIAXIAL STRAIN  
DEFORMATION  
. **AXIAL STRAIN**  
RT ELASTIC DEFORMATION  
STRESS-STRAIN DIAGRAMS  
STRUCTURAL STRAIN

**AXIAL STRESS**  
GS STRESSES  
. **AXIAL STRESS**  
RT TENSILE STRESS



## AXIOMS

### AXIOMS

- UF POSTULATES
- GS MATHEMATICAL LOGIC
  - . AXIOMS
- RT KNOWLEDGE
  - ∞ LOGIC
  - ∞ MATHEMATICS

### AXISYMMETRIC BODIES

- GS SYMMETRICAL BODIES
  - . AXISYMMETRIC BODIES
- RT BLUNT BODIES
  - ∞ BODIES
  - BODIES OF REVOLUTION
  - CONICAL BODIES
  - DUCTED BODIES
  - LENTICULAR BODIES
  - MISSILE BODIES
  - SLENDER BODIES
  - SLENDER CONES
  - STREAMLINED BODIES

### AXISYMMETRIC DEFORMATION

- USE AXIAL STRAIN

### AXISYMMETRIC FLOW

- GS FLUID FLOW
  - . AXISYMMETRIC FLOW
  - . . . ANNULAR FLOW
  - . . . KARMAN-BODEWADT FLOW
- RT AXIAL FLOW
  - COAXIAL FLOW
  - CONICAL FLOW
  - COUETTE FLOW
  - CROCCO METHOD
  - CYLINDRICAL WAVES
  - FLOW GEOMETRY
  - HELICAL FLOW
  - THREE DIMENSIONAL BOUNDARY LAYER

### AXISYMMETRY

- USE SYMMETRY

### AXLES

- USE SHAFTS (MACHINE ELEMENTS)

### AXONS

- GS CELLS (BIOLOGY)
  - . NEURONS
  - . . AXONS
- RT NEUROTRANSMITTERS

### AZEOTROPES

- RT BINARY MIXTURES
  - MIXTURES
  - SOLUTIONS

### AZIDES (INORGANIC)

- GS NITROGEN COMPOUNDS
  - . AZIDES (INORGANIC)
  - . . HYDROGEN AZIDES
  - . . SODIUM AZIDES

### AZIDES (ORGANIC)

- GS NITROGEN COMPOUNDS
  - . AZIDES (ORGANIC)
  - . . SODIUM AZIDES
  - . . TRIAMINOQUANIDINIUM AZIDE
- RT EXPLOSIVES

### AZIMUTH

- UF SOLAR AZIMUTH
- RT ALTITUDE
  - ANGLES (GEOMETRY)
  - ASTRONOMICAL COORDINATES
  - BEARING (DIRECTION)
  - CELESTIAL REFERENCE SYSTEMS
  - ∞ DIRECTION
  - ELEVATION ANGLE
  - LOOK ANGLES (TRACKING)
  - NAVIGATION
  - ∞ ORIENTATION
  - POSITION (LOCATION)

### AZINES

- GS ORGANIC COMPOUNDS
  - . CYCLIC COMPOUNDS
  - . . HETEROCYCLIC COMPOUNDS
  - . . . AZINES
  - . . . . . CYANURATES
  - . . . . . CYANURIC ACID
  - . . . . . MECLIZINE
  - . . . . . METHYLENE BLUE
  - . . . . . PHENOTHIAZINES

### AZINES-(CONT.)

- PYRAZINES
- . AZINES
- . . CYANURATES
- . . CYANURIC ACID
- . . MECLIZINE
- . . METHYLENE BLUE
- . . PHENOTHIAZINES
- RT DYES

### AZO COMPOUNDS

- GS NITROGEN COMPOUNDS
  - . AZO COMPOUNDS
  - . . HMX
  - . . RDX
- RT ∞ CHEMICAL COMPOUNDS
  - DYES

### AZOLES

- GS ORGANIC COMPOUNDS
  - . CYCLIC COMPOUNDS
  - . . HETEROCYCLIC COMPOUNDS
  - . . . AZOLES
  - . . . . . ACETAZOLAMIDE
  - . . . . . OXAZOLE
  - . . . . . PYRROLES
  - . . . . . CARBAZOLES
  - . . . . . INDOLES
  - . . . . . TRYPTOPHAN

### AZOTOBACTER

- GS MICROORGANISMS
  - . BACTERIA
  - . . AZOTOBACTER

### AZULENE

- GS ORGANIC COMPOUNDS
  - . CYCLIC COMPOUNDS
  - . . HETEROCYCLIC COMPOUNDS
  - . . . AZULENE
  - . . . TERPENES
  - . . . AZULENE

### AZUR SATELLITE

- GS ARTIFICIAL SATELLITES
  - . SCIENTIFIC SATELLITES
  - . . AZUR SATELLITE
- RT EUROPEAN SPACE PROGRAMS
  - INTERNATIONAL COOPERATION
  - WEST GERMANY

### A2F AIRCRAFT

- USE A-6 AIRCRAFT

### A3D AIRCRAFT

- USE A-3 AIRCRAFT

### A3J AIRCRAFT

- USE A-5 AIRCRAFT

### A4D AIRCRAFT

- USE A-4 AIRCRAFT

## B

### B STARS

- UF HELIUM STARS
- GS CELESTIAL BODIES
  - . STARS
  - . . EARLY STARS
  - . . . HOT STARS
  - . . . . B STARS
  - . . . . . SIGMA ORIONIS
- RT BLUE STARS
  - HERBIG-HARO OBJECTS
  - LIMB BRIGHTENING
  - LIMB DARKENING
  - PECULIAR STARS
  - STELLAR COMPOSITION
  - WOLF-RAYET STARS

### B-A-W DEVICES

- USE BULK ACOUSTIC WAVE DEVICES

### B-1 AIRCRAFT

- GS ATTACK AIRCRAFT
  - . BOMBER AIRCRAFT
  - . . B-1 AIRCRAFT
  - . . . NORTH AMERICAN AIRCRAFT
  - . . . B-1 AIRCRAFT
- RT ∞ AIRCRAFT

### B-1 AIRCRAFT-(CONT.)

- BOMBING EQUIPMENT
- BOMBS (ORDNANCE)
- COMBAT
- JET AIRCRAFT
- ∞ MILITARY AIRCRAFT
- MULTIENGINE VEHICLES
- WARFARE
- ∞ WINGED VEHICLES

### B-26 AIRCRAFT

- UF INVADER AIRCRAFT
- GS ATTACK AIRCRAFT
  - . BOMBER AIRCRAFT
  - . . B-26 AIRCRAFT
  - . . . MARTIN AIRCRAFT
  - . . . B-26 AIRCRAFT
  - . . . MONOPLANES
  - . . . B-26 AIRCRAFT
- RT ∞ AIRCRAFT

### B-47 AIRCRAFT

- UF RB-47 AIRCRAFT
  - STRATOJET AIRCRAFT
  - XB-47 AIRCRAFT
- GS ATTACK AIRCRAFT
  - . BOMBER AIRCRAFT
  - . . B-47 AIRCRAFT
  - . . . BOEING AIRCRAFT
  - . . . B-47 AIRCRAFT
  - . . . JET AIRCRAFT
  - . . . B-47 AIRCRAFT
  - . . . MONOPLANES
  - . . . B-47 AIRCRAFT
- RT ∞ AIRCRAFT

### B-50 AIRCRAFT

- GS ATTACK AIRCRAFT
  - . BOMBER AIRCRAFT
  - . . B-50 AIRCRAFT
  - . . . BOEING AIRCRAFT
  - . . . B-50 AIRCRAFT
  - . . . JET AIRCRAFT
  - . . . B-50 AIRCRAFT
  - . . . MONOPLANES
  - . . . B-50 AIRCRAFT
- RT ∞ AIRCRAFT

### B-52 AIRCRAFT

- UF STRATOFORTRESS AIRCRAFT
- GS ATTACK AIRCRAFT
  - . BOMBER AIRCRAFT
  - . . B-52 AIRCRAFT
  - . . . BOEING AIRCRAFT
  - . . . B-52 AIRCRAFT
  - . . . JET AIRCRAFT
  - . . . B-52 AIRCRAFT
  - . . . MONOPLANES
  - . . . B-52 AIRCRAFT
- RT ∞ AIRCRAFT
  - TURBOFAN ENGINES

### B-57 AIRCRAFT

- UF CANBERRA BOMBER
- GS RB-57 AIRCRAFT
  - ATTACK AIRCRAFT
  - . BOMBER AIRCRAFT
  - . . B-57 AIRCRAFT
  - . . . JET AIRCRAFT
  - . . . B-57 AIRCRAFT
  - . . . MARTIN AIRCRAFT
  - . . . B-57 AIRCRAFT
  - . . . MONOPLANES
  - . . . B-57 AIRCRAFT
- RT ∞ AIRCRAFT
  - CANBERRA AIRCRAFT

### B-58 AIRCRAFT

- UF HUSTLER AIRCRAFT
- GS ATTACK AIRCRAFT
  - . BOMBER AIRCRAFT
  - . . B-58 AIRCRAFT
  - . . . GENERAL DYNAMICS AIRCRAFT
  - . . . B-58 AIRCRAFT
  - . . . JET AIRCRAFT
  - . . . B-58 AIRCRAFT
  - . . . MONOPLANES
  - . . . B-58 AIRCRAFT
  - . . . SUPERSONIC AIRCRAFT
  - . . . B-58 AIRCRAFT
  - . . . TAILLESS AIRCRAFT
  - . . . B-58 AIRCRAFT
- RT ∞ AIRCRAFT

## BACTERICIDES

### B-66 AIRCRAFT

UF DESTROYER AIRCRAFT  
RB-66 AIRCRAFT  
GS ATTACK AIRCRAFT  
BOMBER AIRCRAFT  
B-66 AIRCRAFT  
JET AIRCRAFT  
B-66 AIRCRAFT  
MCDONNELL DOUGLAS AIRCRAFT  
DOUGLAS AIRCRAFT  
B-66 AIRCRAFT  
MONOPLANES  
B-66 AIRCRAFT  
RT AIRCRAFT

### B-70 AIRCRAFT

UF VALKYRIE AIRCRAFT  
XB-70 AIRCRAFT  
GS ATTACK AIRCRAFT  
BOMBER AIRCRAFT  
B-70 AIRCRAFT  
JET AIRCRAFT  
B-70 AIRCRAFT  
MONOPLANES  
B-70 AIRCRAFT  
NORTH AMERICAN AIRCRAFT  
B-70 AIRCRAFT  
RESEARCH AIRCRAFT  
B-70 AIRCRAFT  
SUPERSONIC AIRCRAFT  
B-70 AIRCRAFT  
RT AIRCRAFT

### B-103 AIRCRAFT

USE BUCCANEER AIRCRAFT

### BABBITT METAL

GS ALLOYS  
ANTIMONY ALLOYS  
BABBITT METAL  
COPPER ALLOYS  
BABBITT METAL  
TIN ALLOYS  
BABBITT METAL  
RT BEARING ALLOYS

### BABOONS

GS ANIMALS  
VERTEBRATES  
MAMMALS  
PRIMATES  
BABOONS

### BAC AIRCRAFT

UF BRITISH AIRCRAFT CORP AIRCRAFT  
GS BAC AIRCRAFT  
BAC 111 AIRCRAFT  
CANBERRA AIRCRAFT  
H-126 AIRCRAFT  
JET PROVOST AIRCRAFT  
SCIMITAR AIRCRAFT  
TSR-2 AIRCRAFT  
VALIANT AIRCRAFT  
VC-10 AIRCRAFT  
VISCOUNT AIRCRAFT  
RT AIRCRAFT

### BAC TSR 2 AIRCRAFT

USE TSR-2 AIRCRAFT

### BAC 111 AIRCRAFT

GS BAC AIRCRAFT  
BAC 111 AIRCRAFT  
JET AIRCRAFT  
TURBOFAN AIRCRAFT  
BAC 111 AIRCRAFT  
MONOPLANES  
BAC 111 AIRCRAFT  
PASSENGER AIRCRAFT  
BAC 111 AIRCRAFT  
TRANSPORT AIRCRAFT  
BAC 111 AIRCRAFT  
RT AIRCRAFT

### BACILLUS

SN (RESTRICTED TO MEMBERS OF THE  
GENUS BACILLUS; DOES NOT INCLUDE  
GENERAL MORPHOLOGICAL  
CLASSIFICATIONS)  
GS MICROORGANISMS  
BACTERIA  
BACILLUS  
STEAROTHERMOPHILUS

### BACK INJURIES

GS INJURIES  
BACK INJURIES  
RT WHIPLASH INJURIES

### BACKFIRE

RT COMBUSTION  
DEFLAGRATION  
EXPLOSIONS  
FIRES  
FLAME DEFLECTORS  
FLAME PROPAGATION  
FLASHBACK

### BACKFIRE ANTENNAS

GS ANTENNAS  
BACKFIRE ANTENNAS  
RT ANTENNA RADIATION PATTERNS  
DIPOLE ANTENNAS  
ENDFIRE ARRAYS  
MICROWAVE ANTENNAS  
RADIO ANTENNAS

### BACKGROUND NOISE

RT CHANNEL NOISE  
COSMIC NOISE  
ELASTIC WAVES  
ELECTROMAGNETIC NOISE  
IONOSPHERIC NOISE  
NOISE  
NOISE (SOUND)  
NOISE MEASUREMENT  
NOISE SPECTRA  
NOISE THRESHOLD  
RADIATION  
RANDOM NOISE  
RAYS  
SIGNAL TO NOISE RATIOS  
SQUELCH CIRCUITS

### BACKGROUND RADIATION

RT BIG BANG COSMOLOGY  
CONTINUOUS RADIATION  
CORPUSCULAR RADIATION  
COSMIC BACKGROUND EXPLORER  
SATELLITE  
COSMIC NOISE  
ELECTROMAGNETIC NOISE  
EXTRATERRESTRIAL RADIATION  
HIGH ALTITUDE TESTS  
IONOSPHERIC NOISE  
RADIATION  
RELIC RADIATION  
SKY RADIATION

### BACKINGS

USE BACKUPS

### BACKLOBES

RT ANTENNA DESIGN  
ANTENNA RADIATION PATTERNS  
DIRECTIONAL ANTENNAS  
LOBES

### BACKSCATTERING

GS SCATTERING  
BACKSCATTERING  
RT FORWARD SCATTERING  
LASER PLASMA INTERACTIONS  
NUCLEAR SCATTERING  
SCATTER PROPAGATION

### BACKSHORES

USE BEACHES

### BACKUPS

UF BACKINGS  
RT REDUNDANT COMPONENTS  
RESERVES  
WELDING

### BACKWARD DIFFERENCING

RT DIFFERENTIAL EQUATIONS  
NUMERICAL STABILITY  
PROBLEM SOLVING

### BACKWARD FACING STEPS

UF REARWARD FACING STEPS  
RT BOUNDARY LAYER FLOW  
FLOW GEOMETRY  
FLUID BOUNDARIES  
REATTACHED FLOW  
RECIRCULATIVE FLUID FLOW  
STAIRSTEPS

### BACKWARD FACING STEPS-(CONT.)

STEPS

### BACKWARD WAVE TUBES

GS ELECTRON TUBES  
VACUUM TUBES  
MICROWAVE TUBES  
TRAVELING WAVE TUBES  
BACKWARD WAVE TUBES  
HELITRONS  
MICROWAVE EQUIPMENT  
MICROWAVE TUBES  
TRAVELING WAVE TUBES  
BACKWARD WAVE TUBES  
HELITRONS  
RT BEAM CURRENTS  
ELECTRON TRANSFER  
MICROWAVE OSCILLATORS

### BACKWARD WAVES

RT ELASTIC WAVES  
ELECTROMAGNETIC RADIATION  
SOLITARY WAVES  
TRANSMISSION LINES  
TRAVELING WAVE TUBES  
TRAVELING WAVES

### BACKWASH

SN (EXCLUDES PROCESSES OF  
BACKWASHING)  
UF SIDEWASH  
RT BOUNDARY LAYER STABILITY  
DOWNWASH  
SLIPSTREAMS  
STROUHAL NUMBER  
TURBULENCE  
WAKES

### BACTERIA

GS MICROORGANISMS  
BACTERIA  
ACTINOMYCETES  
ARCHAEBACTERIA  
AZOTOBACTER  
BACILLUS  
STEAROTHERMOPHILUS  
CLOSTRIDIUM  
CLOSTRIDIUM BOTULINUM  
ESCHERICHIA  
HYDROGENOMONAS  
KLEBSIELLA  
NITROBACTER  
PSEUDOMONAS  
SALMONELLA  
SARCINA  
SERRATIA  
STAPHYLOCOCCUS  
STREPTOCOCCUS  
STREPTOMYCETES  
RT AEROBES  
ANAEROBES  
BACTERIOLOGY  
BLIGHT  
COLONIES  
EUKARYOTES  
GNOTOBIOTICS  
INVERTEBRATES  
PANSPERMIA  
PATHOGENS  
PROKARYOTES  
SAPROPHYTES  
WASTE TREATMENT

### BACTERIAL DISEASES

SN (EXCLUDES PLANT DISEASES)  
GS DISEASES  
INFECTIOUS DISEASES  
BACTERIAL DISEASES  
CHOLERA  
DIPHTHERIA  
SYPHILIS  
TUBERCULOSIS  
TYPHOID  
TYPHUS  
RT CLOSTRIDIUM  
CONJUNCTIVITIS  
DERMATITIS  
ENCEPHALITIS  
MENINGITIS  
NEPHRITIS  
PNEUMONIA

### BACTERICIDES

UF GERMICIDES  
RT ANTIINFECTIVES AND ANTIBACTERIALS

## BACTERIOLOGY

### BACTERICIDES-(CONT.)

ANTISEPTICS  
CHEMICAL STERILIZATION  
ETHYLENE OXIDE  
FUMIGATION  
STERILIZATION

### BACTERIOLOGY

GS MICROBIOLOGY  
. **BACTERIOLOGY**  
RT ARCHAEBACTERIA  
BACTERIA  
BIOCHEMISTRY  
∞ BIOLOGY  
CLOSTRIDIUM BOTULINUM  
COLONIES  
ENDOTOXINS  
GNOTOBIOTICS  
VACCINES

### BACTERIOPHAGES

GS MICROORGANISMS  
. VIRUSES  
. **BACTERIOPHAGES**  
RT INTERFERON

### BADLANDS

GS LAND  
. **BADLANDS**  
RT BARREN LAND  
TOPOGRAPHY

### BAFFLES

RT ATTENUATORS  
∞ BARRIERS  
BLAST DEFLECTORS  
CONICAL FLOW  
DAMPING  
DEFLECTORS  
∞ DIFFUSERS  
DIVERTERS  
DIVIDERS  
DUCTS  
FLAME DEFLECTORS  
LIQUID SLOSHING  
LOUVERS  
MIXERS  
MUFFLERS  
PANELS  
REFLECTORS  
SHIELDING  
SUPPRESSORS

### BAGGAGE

GS CARGO  
. **BAGGAGE**  
RT AIR CARGO  
BAGS  
GROUND HANDLING

### BAGS

GS **BAGS**  
. AIR BAG RESTRAINT DEVICES  
. GAS BAGS  
RT BAGGAGE  
∞ CONTAINERS  
PACKAGES

### BAHAMAS

GS LANDFORMS  
. ISLANDS  
. WEST INDIES  
. **BAHAMAS**  
NATIONS  
. **BAHAMAS**  
RT CARIBBEAN REGION

### BAHRAIN

GS LANDFORMS  
. ISLANDS  
. **BAHRAIN**  
NATIONS  
. **BAHRAIN**

### BAILOUT

RT AIR DROP OPERATIONS  
EJECTION  
EJECTION INJURIES  
EJECTION SEATS  
EJECTION TRAINING  
ESCAPE (ABANDONMENT)  
ESCAPE SYSTEMS  
FLYING EJECTION SEATS  
JETTISON SYSTEMS

### BAILOUT-(CONT.)

JETTISONING  
PARACHUTE DESCENT

### BAINITE

RT BAINITIC STEEL  
IRON ALLOYS  
MICROSTRUCTURE  
STEELS

### BAINITIC STEEL

GS ALLOYS  
. IRON ALLOYS  
. STEELS  
. **BAINITIC STEEL**  
RT BAINITE

### BAJA CALIFORNIA

USE LOWER CALIFORNIA (MEXICO)

### BAJADAS

USE FANS (LANDFORMS)

### BAKELITE (TRADEMARK)

RT CERAMICS  
RESINS  
THERMOSETTING RESINS

### BAKEOUT

USE DEGASSING

### BAKER-NUNN CAMERA

GS OPTICAL EQUIPMENT  
. CAMERAS  
. **BAKER-NUNN CAMERA**  
PHOTOGRAPHIC EQUIPMENT  
. CAMERAS  
. **BAKER-NUNN CAMERA**  
RT ASTRONOMICAL PHOTOGRAPHY  
SCHMIDT CAMERAS

### BAKING

SN (EXCLUDES FOOD PROCESSING)  
GS HEATING  
. **BAKING**  
RT CASTING  
DEGASSING  
DRYING  
HEAT TREATMENT  
OVENS  
ROASTING  
STERILIZATION

### BALANCE

RT AERODYNAMIC BALANCE  
COMPENSATORS  
∞ EQUILIBRIUM  
HEAT BALANCE  
∞ MASS BALANCE  
MASS DISTRIBUTION  
MATERIAL BALANCE  
WEIGHT INDICATORS

### BALANCE EQUATIONS

USE EQUATIONS

### BALANCED AMPLIFIERS

USE PUSH-PULL AMPLIFIERS

### BALANCING

RT ECCENTRICITY  
∞ EQUILIBRIUM  
FLYWHEELS  
MAN MACHINE SYSTEMS  
STABILIZATION

### BALL BEARINGS

GS BEARINGS  
. ANTI-FRICTION BEARINGS  
. **BALL BEARINGS**  
RT BALLS  
ELASTO-HYDRODYNAMICS  
NEEDLE BEARINGS  
ROLLER BEARINGS  
THRUST BEARINGS

### BALL LIGHTNING

GS ELECTRIC CURRENT  
. ELECTRIC DISCHARGES  
. LIGHTNING  
. **BALL LIGHTNING**  
RT ATMOSPHERIC ELECTRICITY

### ∞ BALLAST

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT BALLAST (MASS)  
BALLASTS (IMPEDANCES)

### BALLAST (MASS)

RT AERODYNAMIC STABILITY  
∞ BALLAST  
BUOYANCY  
COUNTERBALANCES  
FLOATING  
FLOATS  
HYDRODYNAMICS  
LOADS (FORCES)  
MASS DISTRIBUTION  
STABILITY  
STATIC LOADS

### BALLASTS (IMPEDANCES)

RT ∞ BALLAST  
CAPACITORS  
INDUCTORS  
LUMINAIRES  
RESISTORS  
TRANSFORMERS

### BALLISTIC CAMERAS

GS OPTICAL EQUIPMENT  
. CAMERAS  
. **BALLISTIC CAMERAS**  
PHOTOGRAPHIC EQUIPMENT  
. CAMERAS  
. **BALLISTIC CAMERAS**  
RT GROUND SUPPORT EQUIPMENT  
HIGH SPEED CAMERAS  
OPTICAL TRACKING  
RANGEFINDING  
STROBOSCOPES  
TRAJECTORY MEASUREMENT

### BALLISTIC MISSILE DECOYS

GS COUNTERMEASURES  
. **BALLISTIC MISSILE DECOYS**  
DECOYS  
RT **BALLISTIC MISSILE DECOYS**  
MISSILE DEFENSE  
REENTRY DECOYS

### BALLISTIC MISSILE EARLY WARNING SYSTEM

UF BMEWS  
GS WARNING SYSTEMS  
. EARLY WARNING SYSTEMS  
. **BALLISTIC MISSILE EARLY WARNING**  
SYSTEM  
RT AIR DEFENSE  
MILITARY TECHNOLOGY  
RADAR TRACKING  
∞ SYSTEMS

### BALLISTIC MISSILE SUBMARINES

GS WATER VEHICLES  
. SHIPS  
. SUBMARINES  
. **BALLISTIC MISSILE SUBMARINES**  
. UNDERWATER VEHICLES  
. SUBMARINES  
. **BALLISTIC MISSILE SUBMARINES**  
RT FLEET BALLISTIC MISSILES  
MISSILE LAUNCHERS  
MOBILE MISSILE LAUNCHERS  
NAVY  
POSEIDON MISSILES  
SEA LAUNCHING

### BALLISTIC MISSILES

SN (GUIDED ONLY DURING INITIAL  
POWERED PHASE)  
GS MISSILES  
. **BALLISTIC MISSILES**  
. FIELD ARMY BALLISTIC MISSILES  
. SUBROC MISSILE  
. INTERCONTINENTAL BALLISTIC  
MISSILES  
. ATLAS ICBM  
. ATLAS D ICBM  
. ATLAS E ICBM  
. ATLAS F ICBM  
. MINUTEMAN ICBM  
. TITAN ICBM  
. TITAN 1 ICBM  
. TITAN 2 ICBM  
. INTERMEDIATE RANGE BALLISTIC  
MISSILES

## BANDSTOP FILTERS

### BALLISTIC MISSILES-(CONT.)

- ... BLUE STREAK MISSILE
- ... JUPITER MISSILE
- ... POLARIS MISSILES
- ... POLARIS A1 MISSILE
- ... POLARIS A2 MISSILE
- ... POLARIS A3 MISSILE
- ... PERSHING MISSILE
- ... POSEIDON MISSILES
- ... SHORT RANGE BALLISTIC MISSILES
- ... SKYBOLT MISSILE
- ... V-2 MISSILE
- RT ANTIMISSILE MISSILES
- SAFEGUARD SYSTEM
- SURFACE TO SURFACE MISSILES

### BALLISTIC RANGES

- GS RANGES (FACILITIES)
- TEST RANGES
- ... **BALLISTIC RANGES**
- TEST FACILITIES
- TEST RANGES
- ... **BALLISTIC RANGES**
- RT DOWNRANGE
- HYDROBALLISTICS
- MISSILE RANGES

### BALLISTIC TRAJECTORIES

- GS TRAJECTORIES
- ... **BALLISTIC TRAJECTORIES**
- RT ASCENT TRAJECTORIES
- BALLISTICS
- COASTING FLIGHT
- DESCENT TRAJECTORIES
- DOWNRANGE
- FREE FALL
- IMPACT PREDICTION
- MIDCOURSE TRAJECTORIES
- MISSILE TRAJECTORIES
- PARABOLIC FLIGHT

### ∞ BALLISTIC VEHICLES

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- UF NONLIFTING VEHICLES
- RT REENTRY VEHICLES
- ROCKET VEHICLES
- TEST VEHICLES
- ∞ VEHICLES
- WEAPONS

### BALLISTICS

- GS **BALLISTICS**
- HYDROBALLISTICS
- INTERIOR BALLISTICS
- TERMINAL BALLISTICS
- RT AERODYNAMIC DRAG
- BALLISTIC TRAJECTORIES
- GAS GUNS
- HOWITZERS
- HYPERVELOCITY GUNS
- ORDNANCE
- PROJECTILES
- PROPELLANTS
- TRAJECTORIES
- TRAJECTORY ANALYSIS
- TRAJECTORY MEASUREMENT

### BALLISTOCARDIOGRAPHY

- GS BIOENGINEERING
- BIOMETRICS
- CARDIOGRAPHY
- ... **BALLISTOCARDIOGRAPHY**
- RT ELECTROCARDIOGRAPHY
- PHONOCARDIOGRAPHY
- SEISMOCARDIOGRAPHY

### BALLOON FLIGHT

- RT ∞ FLIGHT
- METEOROLOGICAL FLIGHT
- VERTICAL FLIGHT

### BALLOON SOUNDING

- GS SOUNDING
- ... **BALLOON SOUNDING**
- RT ATMOSPHERIC SOUNDING
- RADIOSONDES
- SUPERPRESSURE BALLOONS

### BALLOON-BORNE INSTRUMENTS

- GS MEASURING INSTRUMENTS
- ... **BALLOON-BORNE INSTRUMENTS**
- RT AIRBORNE EQUIPMENT
- BALLOONS

### BALLOON-BORNE INSTRUMENTS-(CONT.)

- HIGH ALTITUDE BALLOONS
- METEOROLOGICAL INSTRUMENTS
- RADIOSONDES
- TELESCOPES

### BALLOONING MODES

- GS MODES
- ... **BALLOONING MODES**
- RT MAGNETOHYDRODYNAMIC STABILITY
- PLASMA CONTROL
- PLASMA EQUILIBRIUM
- TEARING MODES (PLASMAS)

### BALLOONS

- GS EXPANDABLE STRUCTURES
- INFLATABLE STRUCTURES
- ... **BALLOONS**
- ... HIGH ALTITUDE BALLOONS
- ... JIMSPHERE BALLOONS
- ... SKYHOOK BALLOONS
- ... SUPERPRESSURE BALLOONS
- ... METEOROLOGICAL BALLOONS
- ... JIMSPHERE BALLOONS
- ... ROBIN BALLOONS
- ... MICROBALLOONS
- ... TETHERED BALLOONS
- RT ∞ AIRCRAFT
- AIRSHIPS
- ASCENT
- BALLOON-BORNE INSTRUMENTS
- BALLUTES
- FOLDING STRUCTURES
- GAS BAGS
- GONDOLAS
- OBSERVATION AIRCRAFT
- PARAVULCOONS
- PILOTLESS AIRCRAFT
- STRATOSCOPE TELESCOPES

### BALLS

- RT BALL BEARINGS
- FALLING SPHERES
- JOINTS (JUNCTIONS)
- SPHERES
- VALVES

### BALLUTES

- GS BRAKES (FOR ARRESTING MOTION)
- AERODYNAMIC BRAKES
- ... **BALLUTES**
- DRAG DEVICES
- AERODYNAMIC BRAKES
- ... **BALLUTES**
- EXPANDABLE STRUCTURES
- INFLATABLE STRUCTURES
- ... **BALLUTES**
- RT AIR DROP OPERATIONS
- AIRCRAFT BRAKES
- BALLOONS
- DRAG CHUTES
- FOLDING STRUCTURES
- PARACHUTES

### BALMER SERIES

- GS SPECTRA
- RADIATION SPECTRA
- ... ELECTROMAGNETIC SPECTRA
- ... LINE SPECTRA
- ... **BALMER SERIES**
- RT ABSORPTION SPECTRA
- ATOMIC SPECTRA
- ELECTRON TRANSITIONS
- EMISSION SPECTRA
- H BETA LINE
- H GAMMA LINE
- H LINES
- HYDROGEN

### BALSA

- RT TREES (PLANTS)
- WOOD

### BALTIC SEA

- GS SEAS
- ... **BALTIC SEA**
- RT ESTONIA
- LATVIA

### BALTIC SHIELD (EUROPE)

- GS ROCKS
- BEDROCK
- ... **BALTIC SHIELD (EUROPE)**
- RT EARTH RESOURCES
- EUROPE

### BALTIC SHIELD (EUROPE)-(CONT.)

PRECAMBRIAN PERIOD

### BANACH SPACE

- GS ALGEBRA
- VECTOR SPACES
- ... **BANACH SPACE**
- ... HILBERT SPACE
- ... SOBOLEV SPACE
- ANALYSIS (MATHEMATICS)
- FUNCTION SPACE
- ... **BANACH SPACE**
- ... HILBERT SPACE
- ... SOBOLEV SPACE
- FUNCTIONAL ANALYSIS
- ... **BANACH SPACE**
- ... HILBERT SPACE
- ... SOBOLEV SPACE
- RT HARMONIC ANALYSIS
- METRIC SPACE

### BAND RATIOING

- GS IMAGE PROCESSING
- ... **BAND RATIOING**
- RT IMAGE ENHANCEMENT
- MULTISPECTRAL BAND SCANNERS
- REMOTE SENSING
- SPECTRAL BANDS

### BAND STRUCTURE OF SOLIDS

- RT BRILLOUIN ZONES
- CONDUCTION BANDS
- ELECTRON TRANSITIONS
- ENERGY GAPS (SOLID STATE)
- FORBIDDEN BANDS
- HETEROJUNCTION DEVICES
- QUANTUM WELLS

### BANDGAP

- USE ENERGY GAPS (SOLID STATE)

### BANDPASS FILTERS

- GS ELECTROMAGNETIC WAVE FILTERS
- ... **BANDPASS FILTERS**
- ... CRYSTAL FILTERS
- ... TRACKING FILTERS
- RT ADAPTIVE FILTERS
- BANDSTOP FILTERS
- BANDWIDTH
- ELECTRIC FILTERS
- ∞ FILTERS
- FIR FILTERS
- MICROWAVE FILTERS
- OPTICAL FILTERS
- ULTRAVIOLET FILTERS
- VOCODERS

### ∞ BANDS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT ABSORPTION SPECTRA
- ANCHORS (FASTENERS)
- BANDWIDTH
- BLOCH BAND
- BROADBAND
- CLAMPS
- CLIPS
- CONDUCTION BANDS
- EDGE DISLOCATIONS
- ENERGY BANDS
- FASTENERS
- FORBIDDEN BANDS
- FREQUENCIES
- HERZBERG BANDS
- HOLDERS
- LOW FREQUENCY BANDS
- NARROWBAND
- PHOTOLUMINESCENT BANDS
- PLASTIC DEFORMATION
- RING STRUCTURES
- SCHUMANN-RUNGE BANDS
- SIDEBANDS
- SPECTRAL BANDS
- STRAPS
- SWAN BANDS
- VEGARD-KAPLAN BANDS

### BANDSTOP FILTERS

- GS ELECTROMAGNETIC WAVE FILTERS
- ELECTRIC FILTERS
- ... **BANDSTOP FILTERS**
- RT ADAPTIVE FILTERS
- BANDPASS FILTERS
- BANDWIDTH

## BANDWIDTH

### BANDSTOP FILTERS-(CONT.)

CRYSTAL FILTERS  
∞ FILTERS  
HIGH PASS FILTERS  
LOW PASS FILTERS  
MICROWAVE FILTERS  
OPTICAL FILTERS  
TRACKING FILTERS  
WAVEGUIDE FILTERS

### BANDWIDTH

GS **BANDWIDTH**  
. BROADBAND  
. NARROWBAND  
. SPECTRAL LINE WIDTH  
RT BANDPASS FILTERS  
∞ BANDS  
BANDSTOP FILTERS  
BROADBAND AMPLIFIERS  
CHANNEL CAPACITY  
DYNAMIC CHARACTERISTICS  
FREQUENCIES  
FREQUENCY RANGES  
IMPEDANCE  
LASER WINDOWS  
RESONANT FREQUENCIES  
SPEECH BASEBAND COMPRESSION  
TRACKING FILTERS  
TRANSFER FUNCTIONS  
WIDTH  
WINDOWS (INTERVALS)

### BANG-BANG CONTROL

USE OFF-ON CONTROL

### BANGLADESH

UF EAST PAKISTAN  
GS NATIONS  
. **BANGLADESH**  
RT ASIA  
INDIA  
PAKISTAN

### BANKING FLIGHT

USE TURNING FLIGHT

### BARANY CHAIR

GS SEATS  
. **BARANY CHAIR**  
RT ROTATING ENVIRONMENTS  
TOLERANCES (PHYSIOLOGY)  
VERTIGO

### BARBADOS

GS LANDFORMS  
. ISLANDS  
. WEST INDIES  
. **BARBADOS**  
NATIONS  
. **BARBADOS**  
RT CARIBBEAN REGION

### BARCHANS

USE DUNES

### BARDEEN APPROXIMATION

USE BARRIER LAYERS  
ELECTRICAL PROPERTIES  
SURFACE PROPERTIES

### BARDEEN-COOPER-SCHRIEFFER THEORY

USE BCS THEORY

### BARENTS SEA

GS SEAS  
. **BARENTS SEA**  
RT ARCTIC OCEAN  
U.S.S.R.

### BARITE

GS MINERALS  
. **BARITE**  
SULFUR COMPOUNDS  
. SULFATES  
. **BARITE**

### BARIUM

GS CHEMICAL ELEMENTS  
. **BARIUM**  
. BARIUM ISOTOPES  
METALS  
. **BARIUM**  
. BARIUM ISOTOPES

### BARIUM ALLOYS

GS ALLOYS  
. **BARIUM ALLOYS**

### BARIUM COMPOUNDS

GS **BARIUM COMPOUNDS**  
. BARIUM FERRATES  
. BARIUM FLUORIDES  
. BARIUM OXIDES  
. BARIUM SULFIDES  
. BARIUM TITANATES  
. BARIUM ZIRCONATES  
RT ∞ ALKALINE EARTH COMPOUNDS  
∞ CHEMICAL COMPOUNDS  
∞ METAL COMPOUNDS

### BARIUM FERRATES

GS BARIUM COMPOUNDS  
. **BARIUM FERRATES**  
IRON COMPOUNDS  
. FERRATES  
. **BARIUM FERRATES**

### BARIUM FLUORIDES

GS BARIUM COMPOUNDS  
. **BARIUM FLUORIDES**  
HALOGEN COMPOUNDS  
. FLUORINE COMPOUNDS  
. FLUORIDES  
. **BARIUM FLUORIDES**  
. HALIDES  
. FLUORIDES  
. **BARIUM FLUORIDES**  
. METAL HALIDES  
. **BARIUM FLUORIDES**

### BARIUM ION CLOUDS

GS CLOUDS (METEOROLOGY)  
. ARTIFICIAL CLOUDS  
. CHEMICAL CLOUDS  
. **BARIUM ION CLOUDS**  
RT EARTH MAGNETOSPHERE  
ELECTRIC FIELDS  
GEOMAGNETISM  
LINES OF FORCE  
METAL IONS  
ROCKET SOUNDING  
THERMITES

### BARIUM ISOTOPES

GS CHEMICAL ELEMENTS  
. ALKALINE EARTH METALS  
. **BARIUM ISOTOPES**  
. BARIUM  
. **BARIUM ISOTOPES**  
. NUCLIDES  
. ISOTOPES  
. **BARIUM ISOTOPES**  
METALS  
. ALKALINE EARTH METALS  
. **BARIUM ISOTOPES**  
. BARIUM  
. **BARIUM ISOTOPES**

### BARIUM OXIDES

GS BARIUM COMPOUNDS  
. **BARIUM OXIDES**  
CHALCOGENIDES  
. OXIDES  
. METAL OXIDES  
. ALKALINE EARTH OXIDES  
. **BARIUM OXIDES**  
RT HIGH TEMPERATURE  
SUPERCONDUCTORS

### BARIUM SULFIDES

GS BARIUM COMPOUNDS  
. **BARIUM SULFIDES**  
CHALCOGENIDES  
. SULFIDES  
. INORGANIC SULFIDES  
. **BARIUM SULFIDES**  
SULFUR COMPOUNDS  
. SULFIDES  
. INORGANIC SULFIDES  
. **BARIUM SULFIDES**

### BARIUM TITANATES

GS BARIUM COMPOUNDS  
. **BARIUM TITANATES**  
TITANIUM COMPOUNDS  
. TITANATES  
. **BARIUM TITANATES**  
RT DIELECTRICS

### BARIUM ZIRCONATES

GS BARIUM COMPOUNDS  
. **BARIUM ZIRCONATES**  
ZIRCONIUM COMPOUNDS  
. ZIRCONATES  
. **BARIUM ZIRCONATES**

### BARKHAUSEN EFFECT

RT ∞ EFFECTS  
ELECTROMAGNETIC MEASUREMENT  
ELECTROMAGNETISM  
OSCILLOGRAPHS

### BARLEY

GS FARM CROPS  
. GRAINS (FOOD)  
. **BARLEY**  
PLANTS (BOTANY)  
. **BARLEY**  
RT AGRICULTURE  
BLIGHT  
BOTANY  
CROP GROWTH  
CROP VIGOR  
∞ CROPS  
∞ FOOD  
IRRIGATION  
SEEDS

### BAROCLINIC INSTABILITY

GS STABILITY  
. **BAROCLINIC INSTABILITY**  
RT ATMOSPHERIC CIRCULATION  
ATMOSPHERIC MODELS  
BAROCLINIC WAVES  
BAROCLINITY  
FLOW STABILITY  
GEOSTROPHIC WIND  
METEOROLOGY  
ZONAL FLOW (METEOROLOGY)

### BAROCLINIC WAVES

GS ELASTIC WAVES  
. CAPILLARY WAVES  
. GRAVITY WAVES  
. **BAROCLINIC WAVES**  
SURFACE WAVES  
. CAPILLARY WAVES  
. GRAVITY WAVES  
. **BAROCLINIC WAVES**  
RT BAROCLINIC INSTABILITY  
BAROCLINITY  
BAROTROPIC FLOW  
CYCLONES  
DENSITY DISTRIBUTION  
GEOSTROPHIC WIND  
RADIATION PRESSURE  
STRATIFIED FLOW  
WAVE AMPLIFICATION  
∞ WAVES  
ZONAL FLOW (METEOROLOGY)

### BAROCLINITY

RT BAROCLINIC INSTABILITY  
BAROCLINIC WAVES  
BAROTROPIC FLOW  
BAROTROPISM  
∞ ISOBARS  
METEOROLOGICAL SOLENOIDS  
STRATIFIED FLOW

### BAROMETERS

GS MEASURING INSTRUMENTS  
. METEOROLOGICAL INSTRUMENTS  
. **BAROMETERS**  
. PRESSURE GAGES  
. **BAROMETERS**  
RT ALTIMETERS  
HYPSONETERS  
MANOMETERS  
PRESSURE MEASUREMENT  
VACUUM GAGES

### BAROMETRIC PRESSURE

USE ATMOSPHERIC PRESSURE

### BARORECEPTORS

GS ANATOMY  
. SENSE ORGANS  
. **BARORECEPTORS**  
RECEPTORS (PHYSIOLOGY)  
. **BARORECEPTORS**  
RT PRESSURE  
PROPRIOCEPTORS

## BASEMENTS

### BAROTRAUMA

- GS INJURIES
- . **BAROTRAUMA**
- RT DECOMPRESSION SICKNESS
- DIVING (UNDERWATER)

### BAROTROPIC FLOW

- GS FLUID FLOW
- . **BAROTROPIC FLOW**
- RT AIR CURRENTS
- AIR FLOW
- BAROCLINIC WAVES
- BAROCLINITY
- BAROTROPISM
- FLOW CHARACTERISTICS
- LEE WAVES
- PLANETARY WAVES
- RAYLEIGH WAVES
- ROSSBY REGIMES
- SEA BREEZE
- VISCOUS FLOW
- WIND (METEOROLOGY)
- WIND SHEAR

### BAROTROPISM

- GS **BAROTROPISM**
- . PLANETARY WAVES
- RT BAROCLINITY
- BAROTROPIC FLOW
- ∞ ISOBARS

### ∞ BARRAGES

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT ARTILLERY FIRE
- DAMS

### BARRED GALAXIES

- GS CELESTIAL BODIES
- . GALAXIES
- . . . SPIRAL GALAXIES
- . . . **BARRED GALAXIES**
- RT DISK GALAXIES
- GALACTIC STRUCTURE
- HUBBLE DIAGRAM
- LOCAL GROUP (ASTRONOMY)
- STAR CLUSTERS
- STAR DISTRIBUTION
- STARS
- VIRGO GALACTIC CLUSTER

### ∞ BARRELS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT BARRELS (CONTAINERS)
- ∞ DRUMS
- GUN LAUNCHERS

### BARRELS (CONTAINERS)

- UF CASKS
- RT ∞ BARRELS
- ∞ CONTAINERS
- DRUMS (CONTAINERS)

### BARREN LAND

- UF BARRENS
- GS LAND
- . **BARREN LAND**
- RT ARID LANDS
- BADLANDS
- DESERTIFICATION
- DESERTS
- LAND USE
- SAHARA DESERT (AFRICA)
- SITES
- SOILS
- TOPOGRAPHY

### BARRENS

- USE BARREN LAND

### BARRICADES

- USE BARRIERS

### BARRIER INJECTION TRANSIT TIME DIODES

- USE BARRITT DIODES

### BARRIER LAYERS

- UF BARDEEN APPROXIMATION
- RT ∞ BARRIERS
- BARRITT DIODES
- INTERLAYERS

### BARRIER LAYERS-(CONT.)

- JFET
- JOINTS (JUNCTIONS)
- JUNCTION DIODES
- JUNCTION TRANSISTORS
- ∞ LAYERS
- MBM JUNCTIONS
- NONOHMIC EFFECT
- SEALS (STOPPERS)
- SEMICONDUCTOR DEVICES
- SIS (SEMICONDUCTORS)
- SURFACE LAYERS
- WATERPROOFING
- ZENER EFFECT

### ∞ BARRIERS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- UF BARRICADES
- OBSTACLES
- RT ABORT APPARATUS
- ACOUSTIC VELOCITY
- ARRESTING GEAR
- BAFFLES
- BARRIER LAYERS
- BARRIERS (LANDFORMS)
- BARRITT DIODES
- BLOOD-BRAIN BARRIER
- BULKHEADS
- CHAINS
- CLOSURES
- CONSTRUCTIONS
- CURTAINS
- DAMS
- DIVIDERS
- ELECTRODE FILM BARRIERS
- ENCLOSURES
- FENCES (BARRIERS)
- GATES (OPENINGS)
- GUARDS (SHIELDS)
- MBM JUNCTIONS
- SAFETY DEVICES
- SCHOTTKY DIODES
- SEALS (STOPPERS)
- SHIELDING
- THERMAL BARRIERS (PLASMA CONTROL)
- VAPOR BARRIER CLOTHING
- WALLS
- WIND (METEOROLOGY)
- WINDOWS (APERTURES)

### BARRIERS (LANDFORMS)

- GS LANDFORMS
- . **BARRIERS (LANDFORMS)**
- . . . OUTER BANKS (NC)
- . . . REEFS
- RT ∞ BARRIERS
- BARS (LANDFORMS)
- ISLAND ARCS

### BARRITT DIODES

- UF BARRIER INJECTION TRANSIT TIME
- DIODES
- GS ELECTRONIC EQUIPMENT
- . DIODES
- . . . SEMICONDUCTOR DIODES
- . . . **BARRITT DIODES**
- . . . SOLID STATE DEVICES
- . . . SEMICONDUCTOR DEVICES
- . . . **BARRITT DIODES**
- RT AVALANCHE DIODES
- BARRIER LAYERS
- ∞ BARRIERS
- CARRIER INJECTION
- CRYOSAR
- ELECTRIC POTENTIAL
- INJECTION
- JUNCTION DIODES
- MICROWAVE OSCILLATORS
- RECTIFIERS
- SCHOTTKY DIODES
- SEMICONDUCTOR JUNCTIONS
- SHOT NOISE
- TRANSIT TIME

### BARS

- GS **BARS**
- . ELASTIC BARS
- . PRISMATIC BARS
- RT METAL PLATES
- RODS
- STRUCTURAL MEMBERS

### BARS (LANDFORMS)

- UF TOMBOLOS
- GS LANDFORMS
- . **BARS (LANDFORMS)**
- RT BARRIERS (LANDFORMS)
- BEACHES
- COASTAL PLAINS
- LAGOONS
- LITTORAL DRIFT
- REEFS

### BARYCENTER

- USE CENTER OF GRAVITY

### BARYON RESONANCE

- GS RESONANCE
- . **BARYON RESONANCE**
- RT BARYONS
- HYPERONS
- SCATTERING CROSS SECTIONS

### BARYONS

- GS PARTICLES
- . ELEMENTARY PARTICLES
- . . . FERMIONS
- . . . **BARYONS**
- . . . . HYPERONS
- . . . . XI HYPERONS
- . . . . OMEGA-MESONS
- . . . . RHO-MESONS
- . . . . SIGMA-MESONS
- . . . HADRONS
- . . . **BARYONS**
- . . . . OMEGA-MESONS
- . . . . RHO-MESONS
- . . . . SIGMA-MESONS
- RT BARYON RESONANCE
- COLD NEUTRONS
- DARK MATTER
- ETA-MESONS
- FAST NEUTRONS
- GRAVITINOS
- KAONS
- MESON RESONANCE
- MESONS
- MUONS
- NEUTRONS
- NUCLEONS
- PHOTONEUTRONS
- PIONS
- PROTONS
- RECOIL PROTONS
- SOLAR PROTONS
- THERMAL NEUTRONS

### BASALT

- GS ROCKS
- . IGNEOUS ROCKS
- . **BASALT**
- RT CONES (VOLCANOES)
- LUNAR MARIA
- MARS VOLCANOES
- REGOLITH
- SOILS
- VOLCANOES
- VOLCANOLOGY

### BASE FLOW

- GS FLUID FLOW
- . **BASE FLOW**
- RT HEAD FLOW
- WAKES

### BASE HEATING

- GS HEATING
- . **BASE HEATING**
- RT AFTERBODIES
- CONVECTION
- EXHAUST NOZZLES
- JET EXHAUST
- JET IMPINGEMENT
- ∞ RADIATION
- ROCKET EXHAUST

### BASE PRESSURE

- GS PRESSURE
- . **BASE PRESSURE**
- RT AERODYNAMIC DRAG

### BASEMENTS

- RT BUILDINGS
- FLOORS
- FOUNDATIONS

## BASES

### ∞ BASES

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)

RT BASES (CHEMICAL)  
DATA BASES  
FOUNDATIONS  
INORGANIC COMPOUNDS  
ION CONCENTRATION  
LUNAR BASES  
SPACE BASES  
STATIONS

### BASES (CHEMICAL)

GS BASES (CHEMICAL)  
. ADENINES  
. ALKALIES  
. LITHIUM HYDROXIDES  
. POTASSIUM HYDROXIDES  
. SODIUM HYDROXIDES  
. ALKALOIDS  
. ATROPINE  
. BETAINES  
. CAFFEINE  
. COLCHICINE  
. ERGOTAMINE  
. HYOSCINE  
. LYSERGINE  
. MORPHINE  
. NICOTINAMIDE  
. NICOTINE  
. PILOCARPINE  
. RESERPINE  
. STRYCHNINE  
. TROPYL COMPOUNDS  
. GUANINES  
. PIPERIDINE  
. PYRIDINES  
. QUINOLINE  
. THYMIDINE  
. URACIL  
RT ALKALINITY  
ANHYDRIDES  
∞ BASES  
BUFFERS (CHEMISTRY)  
PH

### BASES (FOUNDATIONS)

USE FOUNDATIONS

### BASIC (PROGRAMMING LANGUAGE)

GS LANGUAGES  
. PROGRAMMING LANGUAGES  
. BASIC (PROGRAMMING LANGUAGE)  
RT COMPUTER PROGRAMMING

### BASINS

USE STRUCTURAL BASINS

### BASINS (CONTAINERS)

RT TANKS (CONTAINERS)

### BASKETS

RT ∞ CONTAINERS  
GONDOLAS

### BASTNASITE

GS CARBON COMPOUNDS  
. CARBONATES  
. BASTNASITE  
MINERALS  
. BASTNASITE  
RARE EARTH COMPOUNDS  
. CERIUM COMPOUNDS  
. BASTNASITE

### BATCH PROCESSING

GS DATA PROCESSING  
. BATCH PROCESSING  
RT COMPUTER PROGRAMMING  
COMPUTER PROGRAMS  
DATA PROCESSING EQUIPMENT  
∞ PROCESSING

### BATHING

GS CLEANING  
. WASHING  
. BATHING  
RT COOLING  
HYGIENE  
WASTE WATER

### BATHOLITHS

GS ROCK INTRUSIONS

### BATHOLITHS-(CONT.)

. BATHOLITHS  
ROCKS  
. BEDROCK  
. BATHOLITHS  
RT GRANITE  
IGNEOUS ROCKS

### BATHS

SN (EXCLUDES BATHING)  
GS BATHS  
. SALT BATHS  
RT DIPPING  
ELECTROPLATING  
HEAT TRANSFER  
QUENCHING (COOLING)  
∞ SOAKING  
SUBMERGING  
WATER IMMERSION

### BATHYMETERS

UF BATHYMETRY  
GS MEASURING INSTRUMENTS  
. BATHYMETERS  
RT DEPTH MEASUREMENT  
OCEANOGRAPHY  
SOUNDING  
UNDERWATER RESEARCH  
LABORATORIES

### BATHYMETRY

USE BATHYMETERS

### BATHYTHERMOGRAPHS

GS MEASURING INSTRUMENTS  
. TEMPERATURE MEASURING  
INSTRUMENTS  
. BATHYTHERMOGRAPHS  
RECORDING INSTRUMENTS  
. BATHYTHERMOGRAPHS  
RT PRESSURE GRADIENTS  
TEMPERATURE GRADIENTS

### BATS

GS ANIMALS  
. VERTEBRATES  
. MAMMALS  
. BATS

### BATTERIES

USE ELECTRIC BATTERIES

### BATTERY CHARGERS

RT CHARGE EFFICIENCY  
∞ CHARGING  
ELECTRIC BATTERIES  
PULSE CHARGING  
STORAGE BATTERIES

### BATTERY SEPARATORS

USE SEPARATORS

### BAUSCHINGER EFFECT

RT ∞ EFFECTS  
FATIGUE (MATERIALS)  
MICROSTRUCTURE

### BAUXITE

RT ALUMINUM OXIDES  
MINERALS  
ROCKS

### BAY ICE

GS ICE  
. BAY ICE  
RT FREEZING  
FROST  
ICE FORMATION  
ICE MAPPING  
ICE REPORTING  
LAKE ICE  
LOW TEMPERATURE  
NAVIGATION  
OCEANOGRAPHY  
SEA ICE  
SLUSH  
WATER

### BAYARD-ALPERT IONIZATION GAGES

GS MEASURING INSTRUMENTS  
. PRESSURE GAGES  
. VACUUM GAGES  
. IONIZATION GAGES

### BAYARD-ALPERT IONIZATION GAGES-(CONT.)

. . . . BAYARD-ALPERT IONIZATION  
GAGES  
VACUUM APPARATUS  
. VACUUM GAGES  
. IONIZATION GAGES  
. . . . BAYARD-ALPERT IONIZATION  
GAGES  
RT HOT CATHODES

### BAYES THEOREM

UF BAYESIAN STATISTICS  
GS THEOREMS  
. BAYES THEOREM  
RT QUALITY CONTROL  
SAMPLING

### BAYESIAN STATISTICS

USE BAYES THEOREM

### BAYOUS

GS LANDFORMS  
. INLETS (TOPOGRAPHY)  
. BAYOUS  
RT LAKES  
MARSHLANDS  
RIVERS

### ∞ BAYS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT BAYS (STRUCTURAL UNITS)  
BAYS (TOPOGRAPHIC FEATURES)

### BAYS (STRUCTURAL UNITS)

RT AIRCRAFT COMPARTMENTS  
AIRFRAMES  
∞ BAYS  
COMPARTMENTS  
FUSELAGES  
HULLS (STRUCTURES)  
SHELLS (STRUCTURAL FORMS)

### BAYS (TOPOGRAPHIC FEATURES)

UF BIGHTS  
COVES  
GS BAYS (TOPOGRAPHIC FEATURES)  
. CHESAPEAKE BAY (US)  
. DELAWARE BAY (US)  
. HUDSON BAY (CANADA)  
. MONTEREY BAY (CA)  
. SAGINAW BAY (MI)  
. SAN FRANCISCO BAY (CA)  
. SAN PABLO BAY (CA)  
RT ∞ BAYS  
GULFS  
INLETS (TOPOGRAPHY)

### BBGKY HIERARCHY

GS CLASSIFICATIONS  
. HIERARCHIES  
. BBGKY HIERARCHY  
RT BOGOLIUBOV THEORY  
BOLTZMANN TRANSPORT EQUATION  
EQUATIONS OF STATE  
FOURIER TRANSFORMATION  
KINETIC EQUATIONS  
PLASMA PHYSICS

### BCAS

USE BEACON COLLISION AVOIDANCE  
SYSTEM

### BCC LATTICES

USE BODY CENTERED CUBIC LATTICES

### BCH CODES

UF BOSE-CHAUDHURI-HOCQUENGHEM  
CODES  
RT BINARY CODES  
∞ CODES  
CODING  
COMPUTER PROGRAMMING  
DECODERS  
DECODING  
DIGITAL TECHNIQUES  
ERROR CORRECTING DEVICES  
INFORMATION THEORY  
PARITY  
RANDOM ERRORS

### BCS THEORY

UF BARDEEN-COOPER-SCHRIEFFER THEORY

## BEAMS (SUPPORTS)

### BCS THEORY-(CONT.)

RT MANY BODY PROBLEM  
SUPERCONDUCTIVITY  
∞ THEORIES  
THERMODYNAMIC COUPLING

BE A  
USE BEACON EXPLORER A

BE B  
USE EXPLORER 22 SATELLITE

BE C  
USE EXPLORER 27 SATELLITE

### BE-3 ENGINE

GS ENGINES  
ROCKET ENGINES  
RETROCKET ENGINES  
BE-3 ENGINE  
RT ATHENA ROCKET VEHICLE  
RANGER LUNAR LANDING VEHICLES  
SOLID PROPELLANT ROCKET ENGINES

### BEACHES

UF ADVANCING SHORELINES  
BACKSHORES  
INSHORE ZONES  
RT BARS (LANDFORMS)  
COASTAL CURRENTS  
COASTAL PLAINS  
COASTS  
CUSPS (LANDFORMS)  
DUNES  
LAGOONS  
LAKES  
LITTORAL DRIFT  
MARINE ENVIRONMENTS  
SHOALS  
SHORELINES  
TOPOGRAPHY  
WATERFOWL

### BEACON COLLISION AVOIDANCE SYSTEM

UF BCAS  
GS AVOIDANCE  
COLLISION AVOIDANCE  
BEACON COLLISION AVOIDANCE  
SYSTEM  
RT AIR TRAFFIC CONTROL  
AIRCRAFT SAFETY  
MIDAIR COLLISIONS  
RADIO BEACONS  
∞ SYSTEMS  
TRANSPONDERS

### BEACON EXPLORER A

UF BE A  
S-66 SATELLITE  
GS ARTIFICIAL SATELLITES  
PASSIVE SATELLITES  
BEACON SATELLITES  
BEACON EXPLORER A  
EXPANDABLE STRUCTURES  
INFLATABLE STRUCTURES  
INFLATABLE SPACECRAFT  
BEACON SATELLITES  
BEACON EXPLORER A  
SPACE ERECTABLE STRUCTURES  
INFLATABLE SPACECRAFT  
BEACON SATELLITES  
BEACON EXPLORER A  
RT DELTA LAUNCH VEHICLE

BEACON EXPLORER B  
USE EXPLORER 22 SATELLITE

BEACON EXPLORER C  
USE EXPLORER 27 SATELLITE

### BEACON SATELLITES

UF POLAR IONOSPHERE BEACON  
GS ARTIFICIAL SATELLITES  
PASSIVE SATELLITES  
BEACON SATELLITES  
BEACON EXPLORER A  
EXPLORER 22 SATELLITE  
EXPANDABLE STRUCTURES  
INFLATABLE STRUCTURES  
INFLATABLE SPACECRAFT  
BEACON SATELLITES  
BEACON EXPLORER A  
EXPLORER 22 SATELLITE  
SPACE ERECTABLE STRUCTURES

### BEACON SATELLITES-(CONT.)

INFLATABLE SPACECRAFT  
BEACON SATELLITES  
BEACON, EXPLORER A  
EXPLORER 22 SATELLITE  
RT LOCATES SYSTEM

### BEACONS

GS NAVIGATION AIDS  
BEACONS  
AIRPORT BEACONS  
DISCRETE ADDRESS BEACON  
SYSTEM  
RADAR BEACONS  
DISCRETE ADDRESS BEACON  
SYSTEM  
RADIO BEACONS  
OMNIDIRECTIONAL RADIO RANGES  
SELF CALIBRATING OMNIRANGE  
RADIO DIRECTION FINDERS  
RT AIRCRAFT LIGHTS  
BUOYS  
COMPASSES  
HOMING  
HOMING DEVICES  
INSTRUMENT FLIGHT RULES  
MARKERS  
POSITION INDICATORS  
PROJECTORS  
SEARCHLIGHTS  
SIGNALS  
SOLAR COMPASSES  
VISUAL SIGNALS

### BEADS

RT SPOT WELDS  
WELDED JOINTS  
WELDING

### BEAGLE AIRCRAFT

RT ∞ AIRCRAFT

### BEAM CURRENTS

GS ELECTRIC CURRENT  
BEAM CURRENTS  
RT BACKWARD WAVE TUBES  
BRILLOUIN FLOW  
CURRENTS  
PLASMA CURRENTS

### BEAM INJECTION

RT ELECTRON BEAMS  
ION BEAMS  
NEUTRAL BEAMS  
PLASMA HEATING  
PLASMA-PARTICLE INTERACTIONS  
TOKAMAK DEVICES  
TOROIDAL PLASMAS

### BEAM INTERACTIONS

RT BEAMS (RADIATION)  
COLLISION PARAMETERS  
HIGH ENERGY INTERACTIONS  
∞ INTERACTIONS

### BEAM LEADS

GS CONDUCTORS  
ELECTRIC CONDUCTORS  
BEAM LEADS  
FLAT CONDUCTORS  
BEAM LEADS  
RT BONDING  
ELECTRIC CONNECTORS  
JOINING  
MICROELECTRONICS  
MICROMODULES  
SOLDERED JOINTS

### BEAM NEUTRALIZATION

RT BEAMS (RADIATION)  
ELECTRON BEAMS  
ION BEAMS  
NEUTRAL BEAMS

### BEAM PLASMA AMPLIFIERS

GS AMPLIFIERS  
BEAM PLASMA AMPLIFIERS  
RT ELECTRON BEAMS  
MILLIMETER WAVES  
PLASMA-PARTICLE INTERACTIONS  
PLASMAS (PHYSICS)  
RELATIVISTIC ELECTRON BEAMS

### BEAM RIDER GUIDANCE

GS GUIDANCE (MOTION)  
BEAM RIDER GUIDANCE  
RT MISSILE CONTROL  
MISSILE SYSTEMS

### BEAM SPLITTERS

RT BEAMS (RADIATION)  
PARTICLE ACCELERATORS  
PARTICLE BEAMS  
SCATTER PLATES (OPTICS)

### BEAM SWITCHING

GS SWITCHING  
BEAM SWITCHING  
RT BEAMS (RADIATION)  
ELECTRON OPTICS  
ION ENGINES  
LASERS  
MAGNETIC SWITCHING  
PACKET SWITCHING

### BEAM WAVEGUIDES

GS TRANSMISSION LINES  
COMMUNICATION CABLES  
WAVEGUIDES  
BEAM WAVEGUIDES  
RT COLLIMATORS  
PHOTON BEAMS  
PLASMA GUIDES  
RECTANGULAR WAVEGUIDES  
WAVE PROPAGATION  
YOKES

### BEAMS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT BEAMS (RADIATION)  
BEAMS (SUPPORTS)

### BEAMS (RADIATION)

GS BEAMS (RADIATION)  
GAMMA RAY BEAMS  
MICROBEAMS  
PARTICLE BEAMS  
ATOMIC BEAMS  
ELECTRON BEAMS  
RELATIVISTIC ELECTRON BEAMS  
ION BEAMS  
NEUTRAL BEAMS  
MOLECULAR BEAMS  
NEUTRON BEAMS  
NEUTRINO BEAMS  
PION BEAMS  
PROTON BEAMS  
PENCIL BEAMS  
PHONON BEAMS  
PHOTON BEAMS  
LIGHT BEAMS  
RADAR BEAMS  
RT BEAM INTERACTIONS  
BEAM NEUTRALIZATION  
BEAM SPLITTERS  
BEAM SWITCHING  
BEAMS  
COHERENT ELECTROMAGNETIC  
RADIATION  
COHERENT RADIATION  
CORPUSCULAR RADIATION  
ELECTROMAGNETIC RADIATION  
EXTREME ULTRAVIOLET RADIATION  
INFRARED RADIATION  
IONIZING RADIATION  
IRRADIATION  
LIGHT (VISIBLE RADIATION)  
LONGITUDINAL WAVES  
MONOCHROMATIC RADIATION  
MULTIBEAM ANTENNAS  
PLANE WAVES  
RADIATION  
RAYS  
SUBMILLIMETER WAVES  
ULTRAVIOLET RADIATION

### BEAMS (SUPPORTS)

UF STRUCTURAL BEAMS  
GS STRUCTURAL MEMBERS  
BEAMS (SUPPORTS)  
BOX BEAMS  
CANTILEVER BEAMS  
CURVED BEAMS  
I BEAMS  
RECTANGULAR BEAMS  
TIMOSHENKO BEAMS



## BEAMSHAPING

### BEAMS (SUPPORTS)-(CONT.)

RT ∞ BEAMS  
COLUMNS (SUPPORTS)  
GIRDERS  
∞ HEADERS  
PLASTIC BODIES  
T SHAPE  
TRUSSES

### BEAMSHAPING

USE COLLIMATION

### ∞ BEARING

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT BEARING (DIRECTION)  
BEARINGS  
INTERNAL COMBUSTION ENGINES

### BEARING (DIRECTION)

RT ALIGNMENT  
AZIMUTH  
∞ BEARING  
∞ DIRECTION  
DIRECTION FINDING  
EXPOSURE  
FIELD OF VIEW  
INSTRUMENT ORIENTATION  
∞ ORIENTATION  
POSITION (LOCATION)  
SOUND LOCALIZATION  
∞ SPACE ORIENTATION

### BEARING ALLOYS

GS ALLOYS  
RT . BEARING ALLOYS  
ALUMINUM ALLOYS  
BABBITT METAL  
BEARINGS  
CADMIUM ALLOYS  
COPPER ALLOYS  
IRON ALLOYS  
LEAD ALLOYS  
METAL POWDER  
SILVER ALLOYS  
TIN ALLOYS  
ZINC ALLOYS

### BEARINGLESS ROTORS

GS AIRFOILS  
. WINGS  
. . . ROTARY WINGS  
. . . LIFTING ROTORS  
. . . BEARINGLESS ROTORS  
ROTATING BODIES  
. ROTORS  
. . . ROTARY WINGS  
. . . LIFTING ROTORS  
. . . BEARINGLESS ROTORS  
RT HINGES  
RIGID ROTORS

### BEARINGS

GS BEARINGS  
. ANTI-FRICTION BEARINGS  
. . BALL BEARINGS  
. . ROLLER BEARINGS  
. FOIL BEARINGS  
. GAS BEARINGS  
. JOURNAL BEARINGS  
. LIQUID BEARINGS  
. MAGNETIC BEARINGS  
. NEEDLE BEARINGS  
. THRUST BEARINGS  
RT ∞ BEARING  
BEARING ALLOYS  
BOUNDARY LUBRICATION  
BUSHINGS  
GIMBALS  
IDLER  
INTERNAL COMBUSTION ENGINES  
LUBRICATION  
PACKINGS (SEALS)  
PIVOTS  
SHAFTS (MACHINE ELEMENTS)  
SUPPORTS  
SUSPENSION SYSTEMS (VEHICLES)  
SWIVELS  
WHEELS

### BEARS

GS ANIMALS  
. VERTEBRATES  
. . MAMMALS

### BEARS-(CONT.)

. . . BEARS

### BEAT

USE SYNCHRONISM

### BEAT FREQUENCIES

GS FREQUENCIES  
. BEAT FREQUENCIES  
RT GROUP VELOCITY  
INTERMEDIATE FREQUENCY AMPLIFIERS  
MOIRE EFFECTS  
RESONANT FREQUENCIES  
STANDING WAVES  
SUPERHETERODYNE RECEIVERS

### BEAUFORT SEA (NORTH AMERICA)

GS SEAS  
. BEAUFORT SEA (NORTH AMERICA)  
RT ALASKA  
ARCTIC OCEAN  
CANADA

### BED REST

GS REST  
. BED REST  
RT CALCIUM METABOLISM  
CLINICAL MEDICINE  
HEAD DOWN TILT  
ORTHOSTATIC TOLERANCE

### BEDDING EQUIPMENT

RT ∞ BLANKETS  
∞ EQUIPMENT

### BEDIASITES

GS CELESTIAL BODIES  
. METEORITES  
. . STONY METEORITES  
. . . TEKTITES  
. . . BEDIASITES  
RT AUSTRALITES

### BEDROCK

UF SHIELDS (GEOLOGY)  
GS ROCKS  
. BEDROCK  
. . BALTIC SHIELD (EUROPE)  
. . BATHOLITHS  
RT EARTH RESOURCES  
GEOLOGY  
REGOLITH  
∞ SHELVES  
SOILS  
STRATA  
STRATIFICATION  
STRATIGRAPHY  
TUNNELING (EXCAVATION)

### BEDS

RT BEDS (PROCESS ENGINEERING)  
COUCHES

### BEDS (GEOLOGY)

UF LAKE BEDS  
GS LANDFORMS  
. BEDS (GEOLOGY)  
. . SALT BEDS  
RT GEOLOGY  
OCEAN BOTTOM  
STRATA  
STRATIGRAPHY

### BEDS (PROCESS ENGINEERING)

RT BEDS  
CHEMICAL REACTORS  
EXTRACTION  
FILTRATION  
FLUIDIZED BED PROCESSORS  
ION EXCHANGING  
PERCOLATION

### BEECH AIRCRAFT

USE BEECHCRAFT AIRCRAFT

### BEECH C-33 AIRCRAFT

USE C-33 AIRCRAFT

### BEECH S-35 AIRCRAFT

USE C-35 AIRCRAFT

### BEECH 99 AIRCRAFT

GS BEECHCRAFT AIRCRAFT  
. BEECH 99 AIRCRAFT

### BEECH 99 AIRCRAFT-(CONT.)

. . BEECHCRAFT 18 AIRCRAFT  
. . C-33 AIRCRAFT  
. . C-35 AIRCRAFT  
LIGHT AIRCRAFT  
. BEECH 99 AIRCRAFT  
. . BEECHCRAFT 18 AIRCRAFT  
. . C-33 AIRCRAFT  
. . C-35 AIRCRAFT  
RT ∞ AIRCRAFT  
∞ LOW WING AIRCRAFT

### BEECHCRAFT AIRCRAFT

UF BEECH AIRCRAFT  
GS BEECHCRAFT AIRCRAFT  
. BEECH 99 AIRCRAFT  
. . BEECHCRAFT 18 AIRCRAFT  
. . C-33 AIRCRAFT  
. . C-35 AIRCRAFT  
RT ∞ AIRCRAFT

### BEECHCRAFT 18 AIRCRAFT

GS BEECHCRAFT AIRCRAFT  
. BEECH 99 AIRCRAFT  
. . BEECHCRAFT 18 AIRCRAFT  
GENERAL AVIATION AIRCRAFT  
. BEECHCRAFT 18 AIRCRAFT  
LIGHT AIRCRAFT  
. BEECH 99 AIRCRAFT  
. . BEECHCRAFT 18 AIRCRAFT  
MONOPLANES  
. BEECHCRAFT 18 AIRCRAFT  
RT ∞ AIRCRAFT

### BEER LAW

RT ABSORPTIVITY  
BOUGUER LAW  
ELECTROMAGNETIC ABSORPTION  
MOLECULAR ABSORPTION

### BEES

GS ANIMALS  
. INVERTEBRATES  
. . ARTHROPODS  
. . . INSECTS  
. . . BEES  
RT SWARMING

### BEETLES

GS ANIMALS  
. INVERTEBRATES  
. . ARTHROPODS  
. . . INSECTS  
. . . COLEOPTERA  
. . . . BEETLES  
. . . . . TRIBOLIA  
RT INFESTATION

### BEHAVIOR

GS BEHAVIOR  
. DECONDITIONING  
. HUMAN BEHAVIOR  
RT CONDITIONING (LEARNING)  
DIAGNOSIS  
EDUCATION  
EXTROVERSION  
LEARNING  
MIGRATION  
SKINNER BOXES

### BELFAST AIRCRAFT

USE SC-5 AIRCRAFT

### BELGIAN CONGO

USE ZAIRE

### BELGIUM

GS NATIONS  
. BELGIUM  
RT EUROPE

### BELIZE

UF BRITISH HONDURAS  
GS NATIONS  
. BELIZE  
RT CARIBBEAN REGION  
CARIBBEAN SEA  
CENTRAL AMERICA

### BELL AIRCRAFT

GS BELL AIRCRAFT  
. AH-63 HELICOPTER  
. BELL 214A HELICOPTER  
. OH-4 HELICOPTER

## BERNOULLI THEOREM

### BELL AIRCRAFT-(CONT.)

- . OH-13 HELICOPTER
- . UH-1 HELICOPTER
- . X-1 AIRCRAFT
- . X-2 AIRCRAFT
- . X-5 AIRCRAFT
- . X-14 AIRCRAFT
- . X-22 AIRCRAFT
- . XV-3 AIRCRAFT
- . XV-15 AIRCRAFT
- RT ∞ AIRCRAFT

### BELL 214A HELICOPTER

- GS BELL AIRCRAFT
- . BELL 214A HELICOPTER
- . V/STOL AIRCRAFT
- . ROTARY WING AIRCRAFT
- . HELICOPTERS
- RT ∞ BELL 214A HELICOPTER
- ∞ AIRCRAFT
- VERTICAL TAKEOFF AIRCRAFT

### BELLMAN THEORY

- RT DYNAMIC PROGRAMMING
- OPTIMIZATION
- ∞ THEORIES

### BELLOWS

- SN (EXPANDABLE JOINTS--FOR DEVICES TO
- MOVE GASES, USE BLOWERS)
- GS EXPANDABLE STRUCTURES
- . BELLOWS
- RT EXPULSION BLADDERS
- JOINTS (JUNCTIONS)
- PUMPS

### BELLS

- RT AUDITORY SIGNALS
- PRESSURE VESSELS
- PSYCHOACOUSTICS
- ∞ SIGNALS
- SOUND GENERATORS
- WARNING
- WARNING SYSTEMS

### BELTRAMI FLOW

- GS FLUID FLOW
- . BELTRAMI FLOW
- RT INCOMPRESSIBLE FLOW
- STEADY FLOW
- VORTICITY

### ∞ BELTS

- SN (USE OF A MORE SPECIFIC TERM IS
- RECOMMENDED--CONSULT THE TERMS
- LISTED BELOW)
- RT ASTEROID BELTS
- CABLES (ROPES)
- FASTENERS
- GIRDLES
- PROTON BELTS
- PULLEYS
- RADIATION BELTS
- REGIONS
- ROUSE BELTS
- SEAT BELTS
- TERRESTRIAL DUST BELT

### BENARD CELLS

- GS CONVECTION
- . FREE CONVECTION
- . RAYLEIGH-BENARD CONVECTION
- . . . BENARD CELLS
- FLUID FLOW
- . CONVECTIVE FLOW
- . . . RAYLEIGH-BENARD CONVECTION
- . . . BENARD CELLS
- RT CONVECTION CURRENTS
- RAYLEIGH NUMBER
- SOLAR GRANULATION

### BENCHES

- USE SEATS

### BEND TESTS

- RT BENDING
- CRACK PROPAGATION
- DESTRUCTIVE TESTS
- FRACTURE MECHANICS
- FRACTURE STRENGTH
- ∞ MATERIALS TESTS
- ∞ TESTS

### BENDING

- GS BENDING
- . ELASTIC BENDING
- RT BEND TESTS
- ∞ BOWS
- BUCKLING
- CAMBER
- DEFLECTION
- DEFORMATION
- DISPLACEMENT
- DISTORTION
- ELASTIC DEFORMATION
- FATIGUE TESTS
- FIBER STRENGTH
- FLEXIBILITY
- FLEXING
- FLUTTER
- FOLDING
- HEAVING
- MODULUS OF ELASTICITY
- PLASTIC DEFORMATION
- STIFFNESS
- STRUCTURAL FAILURE
- STRUCTURAL STRAIN
- TEMPERATURE INVERSIONS
- TWISTING
- WARPAGE

### BENDING DIAGRAMS

- GS DIAGRAMS
- . BENDING DIAGRAMS
- RT DEFLECTION

### BENDING FATIGUE

- GS FATIGUE (MATERIALS)
- . BENDING FATIGUE
- RT METAL FATIGUE
- S-N DIAGRAMS

### BENDING MOMENTS

- GS MOMENTS
- . BENDING MOMENTS
- RT LOADING MOMENTS
- NASTRAN
- STATIC LOADS
- STRESS ANALYSIS
- STRUCTURAL DESIGN CRITERIA
- TORQUE

### BENDING THEORY

- RT STRESS ANALYSIS
- STRESS INTENSITY FACTORS
- ∞ THEORIES

### BENDING VIBRATION

- GS VIBRATION
- . STRUCTURAL VIBRATION
- . . . BENDING VIBRATION
- RT BREATHING VIBRATION
- FLUTTER
- MISSILE VIBRATION
- PANEL FLUTTER
- RANDOM VIBRATION
- SELF INDUCED VIBRATION

### BENDS (PHYSIOLOGY)

- USE DECOMPRESSION SICKNESS

### BENEFICIATION

- RT ∞ ABSORPTION
- ADSORPTION
- AERATION
- CLEAN FUELS
- COMMUNUTION
- CONCENTRATING
- ∞ CONDITIONING
- ENRICHMENT
- EXPLOITATION
- EXTRACTION
- FILTRATION
- FLOTATION
- FOAMING
- ISOTOPIC ENRICHMENT
- LEACHING
- ∞ METALLURGY
- MINERALS
- PURIFICATION
- REFINING
- ∞ SEPARATION
- SETTLING
- SIZE SEPARATION
- SUBLIMATION
- UPGRADING
- WASHING
- WASTES

### BENIN

- UF DAHOMEY
- GS NATIONS
- . BENIN
- RT AFRICA

### BENTONITE

- RT MONTMORILLONITE
- SOILS
- WATER TREATMENT

### BENZENE

- GS ORGANIC COMPOUNDS
- . CYCLIC COMPOUNDS
- . . . CYCLIC HYDROCARBONS
- . . . BENZENE
- . . . HYDROCARBONS
- . . . CYCLIC HYDROCARBONS
- . . . BENZENE
- RT CHLOROBENZENES
- CYCLOHEXANE
- SOLVENT REFINED COAL

### BENZENE POISONING

- RT HYDROCARBON POISONING
- INDUSTRIAL SAFETY
- ∞ POISONING
- TOXICITY AND SAFETY HAZARD
- TOXICOLOGY

### BENZILIC ACID

- GS ACIDS
- . CARBOXYLIC ACIDS
- . . . FATTY ACIDS
- . . . BENZILIC ACID
- ORGANIC COMPOUNDS
- . CARBOXYLIC ACIDS
- . . . FATTY ACIDS
- . . . BENZILIC ACID

### BENZOIC ACID

- GS ACIDS
- . CARBOXYLIC ACIDS
- . . . FATTY ACIDS
- . . . BENZOIC ACID
- ORGANIC COMPOUNDS
- . CARBOXYLIC ACIDS
- . . . FATTY ACIDS
- . . . BENZOIC ACID

### BERENICE ROCKET VEHICLE

- GS ROCKET VEHICLES
- . MULTISTAGE ROCKET VEHICLES
- . . . BERENICE ROCKET VEHICLE
- RT HYPERSONIC REENTRY
- SOLID PROPELLANT ROCKET ENGINES

### BERGMAN OPERATOR

- GS OPERATORS (MATHEMATICS)
- . BERGMAN OPERATOR

### BERING SEA

- GS SEAS
- . BERING SEA
- RT PACIFIC OCEAN

### BERKELIUM

- GS CHEMICAL ELEMENTS
- . ACTINIDE SERIES
- . . . TRANSURANIUM ELEMENTS
- . . . BERKELIUM
- . . . NUCLIDES
- . . . ISOTOPES
- . . . RADIOACTIVE ISOTOPES
- . . . TRANSURANIUM ELEMENTS
- . . . . . BERKELIUM
- METALS
- . ACTINIDE SERIES
- . . . TRANSURANIUM ELEMENTS
- . . . BERKELIUM

### BERMUDA

- GS LANDFORMS
- . ISLANDS
- . . . BERMUDA
- RT ATLANTIC OCEAN

### BERNOULLI EQUATION

- USE BERNOULLI THEOREM

### BERNOULLI THEOREM

- UF BERNOULLI EQUATION
- GS THEOREMS
- . BERNOULLI THEOREM

## BERNSTEIN ENERGY PRINCIPLE

### BERNOULLI THEOREM-(CONT.)

- RT CONSERVATION EQUATIONS
  - ∞ EQUATIONS
  - FLOW EQUATIONS
  - FLUID FLOW
  - ISENTROPIC PROCESSES
  - LINEARIZATION
  - MAGNUS EFFECT
  - PANEL METHOD (FLUID DYNAMICS)

### BERNSTEIN ENERGY PRINCIPLE

- GS STRUCTURAL ANALYSIS
  - ENERGY METHODS
  - BERNSTEIN ENERGY PRINCIPLE
- RT ∞ ENERGY
  - MAGNETIC FIELDS

### BERYL

- UF EMERALD
- GS ALUMINUM COMPOUNDS
  - BERYL
- BERYLLIUM COMPOUNDS
  - BERYL
- MINERALS
  - BERYL
- SILICON COMPOUNDS
  - SILICATES
  - BERYL
- RT BERYLLIUM

### BERYLLIUM

- GS CHEMICAL ELEMENTS
  - BERYLLIUM
  - BERYLLIUM ISOTOPES
    - BERYLLIUM 7
    - BERYLLIUM 9
    - BERYLLIUM 10
- METALS
  - BERYLLIUM
  - BERYLLIUM ISOTOPES
    - BERYLLIUM 7
    - BERYLLIUM 9
    - BERYLLIUM 10
- RT BERYL
  - MODERATORS

### BERYLLIUM ALLOYS

- GS ALLOYS
  - LIGHT ALLOYS
  - BERYLLIUM ALLOYS

### BERYLLIUM BOROHYDRIDES

- GS BERYLLIUM COMPOUNDS
  - BERYLLIUM BOROHYDRIDES
- BORON COMPOUNDS
  - BOROHYDRIDES
  - BERYLLIUM BOROHYDRIDES
- BORON HYDRIDES
  - BERYLLIUM BOROHYDRIDES
- HYDROGEN COMPOUNDS
  - HYDRIDES
  - BOROHYDRIDES
  - BERYLLIUM BOROHYDRIDES
- BORON HYDRIDES
  - BERYLLIUM BOROHYDRIDES

### BERYLLIUM CHLORIDES

- GS BERYLLIUM COMPOUNDS
  - BERYLLIUM CHLORIDES
- HALOGEN COMPOUNDS
  - CHLORINE COMPOUNDS
  - CHLORIDES
  - BERYLLIUM CHLORIDES
- HALIDES
  - CHLORIDES
  - BERYLLIUM CHLORIDES
- METAL HALIDES
  - BERYLLIUM CHLORIDES

### BERYLLIUM COMPOUNDS

- GS BERYLLIUM COMPOUNDS
  - BERYL
  - BERYLLIUM BOROHYDRIDES
  - BERYLLIUM CHLORIDES
  - BERYLLIUM FLUORIDES
  - BERYLLIUM HYDRIDES
  - BERYLLIUM NITRIDES
  - BERYLLIUM OXIDES
- RT ∞ ALKALINE EARTH COMPOUNDS
- ∞ CHEMICAL COMPOUNDS
- ∞ METAL COMPOUNDS
- METAL FUELS
- METAL PROPELLANTS

### BERYLLIUM FLUORIDES

- GS BERYLLIUM COMPOUNDS
  - BERYLLIUM FLUORIDES
- HALOGEN COMPOUNDS
  - FLUORINE COMPOUNDS
  - FLUORIDES
  - METAL FLUORIDES
  - BERYLLIUM FLUORIDES

### BERYLLIUM HYDRIDES

- GS BERYLLIUM COMPOUNDS
  - BERYLLIUM HYDRIDES
- HYDROGEN COMPOUNDS
  - HYDRIDES
  - METAL HYDRIDES
  - BERYLLIUM HYDRIDES

### BERYLLIUM ISOTOPES

- GS CHEMICAL ELEMENTS
  - BERYLLIUM
  - BERYLLIUM ISOTOPES
    - BERYLLIUM 7
    - BERYLLIUM 9
    - BERYLLIUM 10
- NUCLIDES
  - ISOTOPES
  - BERYLLIUM ISOTOPES
    - BERYLLIUM 7
    - BERYLLIUM 9
    - BERYLLIUM 10
- METALS
  - BERYLLIUM
  - BERYLLIUM ISOTOPES
    - BERYLLIUM 7
    - BERYLLIUM 9
    - BERYLLIUM 10

### BERYLLIUM NITRIDES

- GS BERYLLIUM COMPOUNDS
  - BERYLLIUM NITRIDES
- NITROGEN COMPOUNDS
  - NITRIDES
  - METAL NITRIDES
  - BERYLLIUM NITRIDES

### BERYLLIUM OXIDES

- GS BERYLLIUM COMPOUNDS
  - BERYLLIUM OXIDES
- CHALCOGENIDES
  - OXIDES
  - METAL OXIDES
  - ALKALINE EARTH OXIDES
  - BERYLLIUM OXIDES

### BERYLLIUM POISONING

- RT INDUSTRIAL SAFETY
  - POISONING
  - RESPIRATORY DISEASES
  - TOXICITY AND SAFETY HAZARD
  - TOXICOLOGY

### BERYLLIUM 7

- GS CHEMICAL ELEMENTS
  - BERYLLIUM
  - BERYLLIUM ISOTOPES
    - BERYLLIUM 7
- NUCLIDES
  - ISOTOPES
  - BERYLLIUM ISOTOPES
    - BERYLLIUM 7
  - RADIOACTIVE ISOTOPES
    - BERYLLIUM 7
- METALS
  - BERYLLIUM
  - BERYLLIUM ISOTOPES
    - BERYLLIUM 7

### BERYLLIUM 9

- GS CHEMICAL ELEMENTS
  - BERYLLIUM
  - BERYLLIUM ISOTOPES
    - BERYLLIUM 9
- NUCLIDES
  - ISOTOPES
  - BERYLLIUM ISOTOPES
    - BERYLLIUM 9
  - RADIOACTIVE ISOTOPES
    - BERYLLIUM 9
- METALS
  - BERYLLIUM
  - BERYLLIUM ISOTOPES
    - BERYLLIUM 9

### BERYLLIUM 10

- GS CHEMICAL ELEMENTS

### BERYLLIUM 10-(CONT.)

- BERYLLIUM
- BERYLLIUM ISOTOPES
  - BERYLLIUM 10
- NUCLIDES
  - ISOTOPES
  - BERYLLIUM ISOTOPES
    - BERYLLIUM 10
  - RADIOACTIVE ISOTOPES
    - BERYLLIUM 10
- METALS
  - BERYLLIUM
  - BERYLLIUM ISOTOPES
    - BERYLLIUM 10

### BESS (SATELLITE)

- UF BIOMEDICAL EXPERIMENT SCIENTIFIC SATELLITE
- GS ARTIFICIAL SATELLITES
  - BESS (SATELLITE)
- RT MULTIMISSIION MODULAR SPACECRAFT SPACE SHUTTLES

### BESSEL FUNCTIONS

- GS ANALYSIS (MATHEMATICS)
  - COMPLEX VARIABLES
  - BESSEL FUNCTIONS
  - HANKEL FUNCTIONS
  - REAL VARIABLES
  - BESSEL FUNCTIONS
  - HANKEL FUNCTIONS
- RT BOUNDARY VALUE PROBLEMS DIFFERENTIAL EQUATIONS HYPERGEOMETRIC FUNCTIONS ORTHOGONAL FUNCTIONS POWER SERIES

### BESSEL-BREDICHIN THEORY

- RT COMETS
  - KOHOUTEK COMET
- RADIATION PRESSURE
  - THEORIES

### BETA FACTOR

- RT DENSE PLASMAS
  - FLUID PRESSURE
  - FUSION REACTORS
  - MAGNETIC FIELDS
  - MAGNETIC FLUX
  - MAGNETOHYDRODYNAMIC STABILITY
  - PLASMA CONTROL
  - PLASMA EQUILIBRIUM
  - PLASMA HEATING
  - PLASMA PHYSICS
  - PRESSURE EFFECTS
  - REACTOR PHYSICS
  - TOKAMAK DEVICES
  - TOROIDAL PLASMAS

### BETA INTERACTIONS

- USE WEAK INTERACTIONS (FIELD THEORY)

### BETA PARTICLES

- GS IONIZING RADIATION
  - BETA PARTICLES
- NUCLEAR RADIATION
  - BETA PARTICLES
- PARTICLES
  - CHARGED PARTICLES
  - ENERGETIC PARTICLES
  - PLASMAS (PHYSICS)
  - BETA PARTICLES
  - CORPUSCULAR RADIATION
  - ELECTRON RADIATION
  - BETA PARTICLES
  - ELEMENTARY PARTICLES
  - BETA PARTICLES
  - NUCLEAR PARTICLES
  - BETA PARTICLES
- RT DECAY
  - ELECTRON BEAMS
  - ELECTRONS
  - FLUX (RATE)
  - HOT ATOMS
  - N ELECTRONS
  - RELATIVISTIC ELECTRON BEAMS
  - WEAK ENERGY INTERACTIONS

### BETAINES

- GS BASES (CHEMICAL)
  - ALKALOIDS
  - BETAINES
- NITROGEN COMPOUNDS
  - ALKALOIDS
  - BETAINES

## BINARY SYSTEMS (MATERIALS)

### BETAINES-(CONT.)

- ORGANIC COMPOUNDS
- . CYCLIC COMPOUNDS
- . . . HETEROCYCLIC COMPOUNDS
- . . . . ALKALOIDS
- . . . . . **BETAINES**

### BETATRONS

- GS PARTICLE ACCELERATORS
- . CYCLIC ACCELERATORS
- . . **BETATRONS**
- . . . ELECTRON ACCELERATORS
- . . . . **BETATRONS**
- RT MICROTRONS
- SYNCHROTRONS

### BETHE-HEITLER FORMULA

- GS MATHEMATICAL LOGIC
- . FORMULAS (MATHEMATICS)
- . . **BETHE-HEITLER FORMULA**

### BETHE-SALPETER EQUATION

- GS ANALYSIS (MATHEMATICS)
- . REAL VARIABLES
- . . **BETHE-SALPETER EQUATION**
- RT DIFFERENTIAL EQUATIONS
- ∞ EQUATIONS
- EQUATIONS OF MOTION
- KINETIC EQUATIONS
- QUANTUM MECHANICS

### BEVATRON

- GS PARTICLE ACCELERATORS
- . CYCLIC ACCELERATORS
- . . SYNCHROTRONS
- . . . **BEVATRON**
- RT SYNCHROCYCLOTRONS

### BEVERAGES

- GS LIQUIDS
- . POTABLE LIQUIDS
- . . **BEVERAGES**
- . . . WINES
- RT COFFEE
- DRINKING
- ∞ FOOD
- MILK

### BHUTAN

- RT HIMALAYAS
- INDIA
- SIKKIM
- TIBET

### BIAS

- GS **BIAS**
- . RESPONSE BIAS
- RT COMPENSATORS
- DISPLACEMENT
- ELECTRIC POTENTIAL
- ERRORS
- INSTRUMENT ERRORS
- OPEN CIRCUIT VOLTAGE
- TUBE GRIDS

### BIBLIOGRAPHIES

- GS DOCUMENTS
- . **BIBLIOGRAPHIES**
- RT ABSTRACTS
- BIOGRAPHY
- DOCUMENTATION
- HANDBOOKS
- INDEXES (DOCUMENTATION)
- INFORMATION DISSEMINATION
- INFORMATION RETRIEVAL
- LIBRARIES
- LITERATURE
- ∞ REFERENCE SYSTEMS
- SPACE GLOSSARIES
- SUMMARIES

### BICARBONATES

- USE CARBONATES

### BICRYSTALS

- GS CRYSTALS
- . **BICRYSTALS**
- RT POLYCRYSTALS
- SINGLE CRYSTALS

### ∞ BICYCLE

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*

### BICYCLE-(CONT.)

- RT LANDING GEAR
- SURFACE VEHICLES

### BIDIRECTIONAL REFLECTANCE

- GS ELECTROMAGNETIC PROPERTIES
- . OPTICAL PROPERTIES
- . . REFLECTANCE
- . . . **BIDIRECTIONAL REFLECTANCE**
- RT LIGHT SCATTERING
- REFLECTION
- SPECTRAL REFLECTANCE
- SURFACE PROPERTIES

### BIFURCATION (BIOLOGY)

- RT ANATOMY
- ARTERIES
- ∞ BIOLOGY
- BLOOD VESSELS
- BRANCHING (PHYSICS)
- VEINS

### BIFURCATION (MATHEMATICS)

- USE BRANCHING (MATHEMATICS)

### BIG BANG COSMOLOGY

- GS COSMOLOGY
- . **BIG BANG COSMOLOGY**
- RT ASTRONOMICAL MODELS
- BACKGROUND RADIATION
- COSMIC RAYS
- GALACTIC EVOLUTION
- GAMMA RAY BURSTS
- GRAND UNIFIED THEORY
- GRAVITATIONAL CONSTANT
- RELATIVITY
- RELIC RADIATION
- UNIVERSE

### BIG SHOT PROJECT

- GS PROGRAMS
- . PROJECTS
- . . **BIG SHOT PROJECT**

### BIGHORN MOUNTAINS (MT-WY)

- GS LANDFORMS
- . MOUNTAINS
- . . **BIGHORN MOUNTAINS (MT-WY)**
- RT MONTANA
- WYOMING

### BIGHTS

- USE BAYS (TOPOGRAPHIC FEATURES)

### BIHARMONIC EQUATIONS

- GS ANALYSIS (MATHEMATICS)
- . REAL VARIABLES
- . . DIFFERENTIAL EQUATIONS
- . . . PARTIAL DIFFERENTIAL EQUATIONS
- . . . . **BIHARMONIC EQUATIONS**
- RT ELASTIC PROPERTIES
- ∞ EQUATIONS

### BILLETS

- RT CASTING
- CASTINGS
- FORGING
- INGOTS
- METAL PLATES
- METAL STRIPS
- RODS
- SLABS
- WIRE

### BIMETALS

- RT ALLOYING
- ALLOYS
- COMPOSITE MATERIALS
- METAL BONDING
- METALS

### BIMETRIC THEORIES

- RT GRAVITATION THEORY
- METRIC SPACE
- SCHWARZSCHILD METRIC
- ∞ THEORIES

### BINARY ALLOYS

- GS ALLOYS
- . **BINARY ALLOYS**
- BINARY SYSTEMS (MATERIALS)
- . **BINARY ALLOYS**
- RT ALLOYING

### BINARY CODES

- RT BCH CODES
- BIT ERROR RATE
- ∞ CODES
- CONCATENATED CODES
- DIGITAL SYSTEMS

### BINARY DATA

- RT ANALOG DATA
- BIT ERROR RATE
- BUBBLE MEMORY DEVICES
- ∞ DATA
- DATA PROCESSING
- DECIMAL TO BINARY CONVERTERS
- DIGITAL DATA

### BINARY DIGITS

- GS ALPHANUMERIC CHARACTERS
- . DIGITS
- . . **BINARY DIGITS**
- RT BIT ERROR RATE
- BITS
- DIGITAL ELECTRONICS
- DIGITAL SYSTEMS

### BINARY FLUIDS

- GS BINARY SYSTEMS (MATERIALS)
- . BINARY MIXTURES
- . . **BINARY FLUIDS**
- . . . MIXTURES
- . . . . BINARY MIXTURES
- RT ∞ FLUIDS
- GAS MIXTURES
- KINETIC THEORY
- LENNARD-JONES GAS
- TRANSPORT PROPERTIES

### BINARY INTEGRATION

- GS ANALYSIS (MATHEMATICS)
- . REAL VARIABLES
- . . MEASURE AND INTEGRATION
- . . . **BINARY INTEGRATION**
- RT ADDING CIRCUITS
- DIGITAL INTEGRATORS

### BINARY MIXTURES

- GS BINARY SYSTEMS (MATERIALS)
- . **BINARY MIXTURES**
- . . BINARY FLUIDS
- . . . EUTECTICS
- . . . . EUTECTIC ALLOYS
- . . . . MIXTURES
- . . . . **BINARY MIXTURES**
- . . . . BINARY FLUIDS
- . . . . EUTECTICS
- . . . . EUTECTIC ALLOYS
- RT AZEOTROPES
- GAS MIXTURES
- LIQUID-GAS MIXTURES

### BINARY STARS

- GS CELESTIAL BODIES
- . STARS
- . . DOUBLE STARS
- . . . **BINARY STARS**
- . . . . CATAclysmic VARIABLES
- . . . . COMPANION STARS
- . . . . NEMESIS (STAR)
- . . . . ECLIPSING BINARY STARS
- . . . . DWARF NOVAE
- . . . . LAMBDA TAURI STARS
- . . . . ZETA AURIGAE STAR
- . . . . SIGMA ORIONIS
- . . . . SYMBIOTIC STARS
- RT ACCRETION DISKS
- LIMB DARKENING
- STAR CLUSTERS
- STELLAR PARALLAX
- STELLAR SYSTEMS
- TWO BODY PROBLEM
- VARIABLE STARS

### BINARY SUMMATORS

- USE ADDING CIRCUITS

### BINARY SYSTEMS (DIGITAL)

- USE DIGITAL SYSTEMS

### BINARY SYSTEMS (MATERIALS)

- UF TWO PHASE SYSTEMS
- GS **BINARY SYSTEMS (MATERIALS)**
- . BINARY ALLOYS
- . BINARY MIXTURES

## BINARY TO DECIMAL CONVERTERS

### BINARY SYSTEMS (MATERIALS)-(CONT.)

- .. BINARY FLUIDS
- .. EUTECTICS
- ... EUTECTIC ALLOYS
- RT ALLOYS
- ∞ MATERIALS
- PHASE DIAGRAMS
- SOLIDUS
- ∞ SYSTEMS
- TERNARY SYSTEMS

### BINARY TO DECIMAL CONVERTERS

- GS DATA CONVERTERS
- .. BINARY TO DECIMAL CONVERTERS
- RT COMPUTER COMPONENTS
- ∞ CONVERTERS
- DATA PROCESSING
- DECIMAL TO BINARY CONVERTERS

### BINAURAL HEARING

- GS HEARING
- .. BINAURAL HEARING
- PERCEPTION
- RT .. BINAURAL HEARING
- AUDITORY PERCEPTION
- SOUND LOCALIZATION
- WEBER TEST

### BINDERS (ADHESIVES)

- USE ADHESIVES

### BINDERS (MATERIALS)

- GS BINDERS (MATERIALS)
- .. PROPELLANT BINDERS
- .. SOLID ROCKET BINDERS
- RT ADDITIVES
- ADHESIVES
- CEMENTS
- ∞ MATERIALS
- MOLDING MATERIALS
- SIZING MATERIALS
- SOLID LUBRICANTS

### BINDING

- RT BONDING
- COLLATING
- FOLDING
- ∞ JOINING
- PRINTING
- SEALING
- SEWING

### BINOCULAR VISION

- GS VISION
- .. BINOCULAR VISION
- RT HAPLOSOPES
- MOTION PERCEPTION
- SPACE PERCEPTION
- STEREOSCOPIC VISION

### BINOCULARS

- GS OPTICAL EQUIPMENT
- .. BINOCULARS
- RT EYEPIECES
- MICROSCOPES
- PERISCOPES
- TELESCOPES

### BINOMIAL COEFFICIENTS

- GS ANALYSIS (MATHEMATICS)
- .. COMBINATORIAL ANALYSIS
- .. BINOMIAL COEFFICIENTS
- COEFFICIENTS
- .. BINOMIAL COEFFICIENTS
- RT FACTORIALS

### BINOMIAL THEOREM

- GS ALGEBRA
- .. BINOMIAL THEOREM
- THEOREMS
- .. BINOMIAL THEOREM
- RT BINOMIALS
- PROBABILITY DENSITY FUNCTIONS
- PROBABILITY THEORY
- STATISTICAL ANALYSIS
- STATISTICAL DISTRIBUTIONS

### BINOMIALS

- GS ALGEBRA
- .. POLYNOMIALS
- .. BINOMIALS
- RT BINOMIAL THEOREM

### BIOACOUSTICS

- GS ACOUSTICS
- .. BIOACOUSTICS
- RT ACOUSTIC ATTENUATION
- AUDITORY DEFECTS
- AUDITORY SENSATION AREAS
- BIOENGINEERING
- ∞ BIOLOGY
- PSYCHOACOUSTICS
- ∞ SCIENCE
- SOUND INTENSITY

### BIOASSAY

- UF BIOLOGICAL ANALYSIS
- RT BIOCHEMISTRY
- BIOLOGICAL EFFECTS
- ∞ BIOLOGY
- HISTOCHEMICAL ANALYSIS

### BIOASTRONAUTICAL ORBITAL SPACE SYSTEM

- GS PROGRAMS
- .. NASA PROGRAMS
- .. NASA SPACE PROGRAMS
- ... BIOASTRONAUTICAL ORBITAL SPACE SYSTEM
- .. SPACE PROGRAMS
- .. NASA SPACE PROGRAMS
- ... BIOASTRONAUTICAL ORBITAL SPACE SYSTEM
- RT ∞ SYSTEMS

### BIOASTRONAUTICS

- RT AEROSPACE ENVIRONMENTS
- AEROSPACE MEDICINE
- ∞ ASTRONAUTICS
- BIOENGINEERING
- ∞ BIOLOGY
- BIOSELLITE 1
- BIOSELLITE 2
- BIOSELLITE 3
- CLOSED ECOLOGICAL SYSTEMS
- COLUMBUS SPACE STATION
- EARTH ATMOSPHERE
- EXOBIOLOGY
- HEAD DOWN TILT
- LUNAR ENVIRONMENT
- PLANETARY ENVIRONMENTS
- ∞ SCIENCE
- SPACE ADAPTATION SYNDROME
- SPACE EXPLORATION
- SPACE FLIGHT
- SPACE STATIONS
- SPACECRAFT ENVIRONMENTS

### BIOCHEMICAL FUEL CELLS

- GS ELECTRIC GENERATORS
- .. DIRECT POWER GENERATORS
- .. FUEL CELLS
- ... BIOCHEMICAL FUEL CELLS
- ELECTROCHEMICAL CELLS
- .. FUEL CELLS
- .. BIOCHEMICAL FUEL CELLS
- RT ∞ BIOLOGY
- PHOSPHORIC ACID FUEL CELLS
- REGENERATIVE FUEL CELLS

### BIOCHEMICAL OXYGEN DEMAND

- UF BOD
- RT ALGAE
- ∞ BIOLOGY
- ECOLOGY
- OXIMETRY
- OXYGEN CONSUMPTION
- PLANTS (BOTANY)
- POLLUTION CONTROL
- WATER POLLUTION
- WATER TREATMENT

### BIOCHEMISTRY

- GS BIOCHEMISTRY
- .. BIOGEOCHEMISTRY
- .. ENZYMOLOGY
- .. PHYSIOCHEMISTRY
- RT BACTERIOLOGY
- BIOASSAY
- BIODEGRADATION
- BIOENGINEERING
- ∞ BIOLOGY
- CHEMICAL WARFARE
- ∞ CHEMISTRY
- CYTOLOGY
- GENETIC ENGINEERING
- HISTOCHEMICAL ANALYSIS
- IMMUNOASSAY
- INTERFERON

### BIOCHEMISTRY-(CONT.)

- MARINE CHEMISTRY
- METABOLITES
- MOLECULAR BIOLOGY
- MUTAGENS
- NITROGEN METABOLISM
- NUTRITION
- OPTICAL ACTIVITY
- ORGANIC CHEMISTRY
- RADIOIMMUNOASSAY
- VEGETATION GROWTH

### BIOCLIMATOLOGY

- USE BIOMETEOROLOGY

### BIOCOMPATIBILITY

- GS COMPATIBILITY
- .. BIOCOMPATIBILITY
- RT ANTIBODIES
- ANTIGENS
- ∞ BIOLOGY
- BLOOD
- IMMUNOLOGY
- LEUKOCYTES
- PHYSIOLOGICAL DEFENSES
- VACCINES

### BIOCONTROL SYSTEMS

- SN (RESTRICTED TO ARTIFICIAL BIOTECHNOLOGICAL SYSTEMS FOR THE CONTROL OF BIOLOGICAL PROCESSES--USE REGULATORY MECHANISMS (BIOLOGY) FOR NATURAL PHYSIOLOGICAL REGULATION)
- RT BIOFEEDBACK
- ∞ BIOLOGY
- BIONICS
- PSYCHOMOTOR PERFORMANCE
- REGULATORY MECHANISMS (BIOLOGY)
- ∞ SYSTEMS
- TOLERANCES (PHYSIOLOGY)

### BIOCONVERSION

- RT ALGAE
- ∞ BIOLOGY
- BIOMASS ENERGY PRODUCTION
- BIOPROCESSING
- ∞ CONVERSION
- ENZYME ACTIVITY
- FERMENTATION
- FUELS
- HYDROCARBON FUEL PRODUCTION
- METHANE
- SOLAR HEATING
- VEGETATION

### BIODEGRADABILITY

- GS DISSOCIATION
- .. BIODEGRADABILITY
- RT ∞ BIOLOGY
- DECAY
- DECOMPOSITION
- DETERIORATION
- ORGANIC MATERIALS
- ∞ PROPERTIES

### BIODEGRADATION

- GS DEGRADATION
- .. BIODEGRADATION
- RT ACTIVATED SLUDGE
- BIOCHEMISTRY
- ∞ BIOLOGY
- DECAY
- DECOMPOSITION
- DETERIORATION

### BIODYNAMICS

- UF BIOMECHANICS
- RT ANATOMY
- BIOENGINEERING
- BIOLOGICAL MODELS (MATHEMATICS)
- ∞ BIOLOGY
- BIOPHYSICS
- ∞ DYNAMICS
- ∞ SCIENCE
- STRESS (PHYSIOLOGY)

### BIOELECTRIC POTENTIAL

- GS POTENTIAL ENERGY
- .. ELECTRIC POTENTIAL
- .. BIOELECTRIC POTENTIAL
- RT BIOELECTRICITY
- ∞ BIOLOGY

**BIOELECTRICITY**

UF NEURON TRANSMISSION  
 RT BIOELECTRIC POTENTIAL  
 ∞ BIOLOGY  
 . BIOMAGNETISM  
 . INFORMATION PROCESSING (BIOLOGY)  
 . NEUROMUSCULAR TRANSMISSION  
 . SPIKE POTENTIALS

**BIOENGINEERING**

GS **BIOENGINEERING**  
 . BIOINSTRUMENTATION  
 . BIOTELEMETRY  
 . IMPLANTED ELECTRODES (BIOLOGY)  
 . BIOMETRICS  
 . BODY MEASUREMENT (BIOLOGY)  
 . ANTHROPOMETRY  
 . ELECTROPLETHYSMOGRAPHY  
 . CARDIOGRAPHY  
 . BALLISTOCARDIOGRAPHY  
 . ELECTROCARDIOGRAPHY  
 . MAGNETOCARDIOGRAPHY  
 . PHONOCARDIOGRAPHY  
 . ECHOCARDIOGRAPHY  
 . SEISMOCARDIOGRAPHY  
 . VECTORCARDIOGRAPHY  
 . ECHOENCEPHALOGRAPHY  
 . ELECTROENCEPHALOGRAPHY  
 . ELECTROMYOGRAPHY  
 . ELECTRONYSTAGMOGRAPHY  
 . ELECTRORETINOGRAPHY  
 . PLETHYSMOGRAPHY  
 . ELECTROPLETHYSMOGRAPHY  
 . RADIOCARDIOGRAPHY  
 RT BIOACOUSTICS  
 . BIOASTRONAUTICS  
 . BIOCHEMISTRY  
 . BIODYNAMICS  
 ∞ BIOLOGY  
 . BIONICS  
 . BIOPAKS  
 . BIOPHYSICS  
 . BONE MINERAL CONTENT  
 ∞ ENGINEERING  
 . GENETIC ENGINEERING  
 . HUMAN FACTORS ENGINEERING  
 . UNDERWATER BREATHING APPARATUS  
 . VOICE CONTROL

**BIOFEEDBACK**

GS FEEDBACK  
 . **BIOFEEDBACK**  
 . SENSORY FEEDBACK  
 RT AEROSPACE MEDICINE  
 . BIOCONTROL SYSTEMS  
 . BLOOD PRESSURE  
 . CONDITIONING (LEARNING)  
 ∞ CONTROL  
 . FEEDBACK CONTROL  
 . HEART RATE  
 . HUMAN FACTORS ENGINEERING  
 . PSYCHOLOGY

**BIOFLAVONOIDS**

UF VITAMIN P  
 GS ORGANIC COMPOUNDS  
 . CYCLIC COMPOUNDS  
 . HETEROCYCLIC COMPOUNDS  
 . **BIOFLAVONOIDS**  
 . VITAMINS  
 RT **BIOFLAVONOIDS**  
 . DRUGS

**BIOGENESIS**

USE BIOLOGICAL EVOLUTION

**BIOGENY**

RT ∞ BIOLOGY  
 ∞ EVOLUTION  
 . ONTOGENY

**BIOGEOCHEMISTRY**

GS BIOCHEMISTRY  
 . **BIOGEOCHEMISTRY**  
 . ENVIRONMENTAL CHEMISTRY  
 . GEOCHEMISTRY  
 . **BIOGEOCHEMISTRY**  
 RT ∞ BIOLOGY  
 . BOTANY  
 ∞ CHEMISTRY  
 . GEOBOTANY  
 . INTERNATIONAL  
 . GEOSPHERE-BIOSPHERE PROGRAM  
 . MINERALS  
 . PLANTS (BOTANY)

**BIOGRAPHY**

GS LITERATURE  
 . **BIOGRAPHY**  
 RT AWARDS  
 . BIBLIOGRAPHIES  
 . CASE HISTORIES  
 . DOCUMENTATION

**BIOINSTRUMENTATION**

UF BIOSENSORS  
 GS BIOENGINEERING  
 . **BIOINSTRUMENTATION**  
 . BIOTELEMETRY  
 . IMPLANTED ELECTRODES (BIOLOGY)  
 RT ∞ BIOLOGY  
 . BIOMETRICS  
 . BIONICS  
 . ECHOENCEPHALOGRAPHY  
 ∞ ENGINEERING  
 . IMBLS  
 ∞ INSTRUMENTS  
 . MAGNETOCARDIOGRAPHY  
 . MEASURING INSTRUMENTS  
 . RESPIROMETERS  
 ∞ SENSORS  
 . SPHYGMOGRAPHY  
 . WILDLIFE RADIOLOCATION

**BIOLOGICAL ACTIVITY**

USE ACTIVITY (BIOLOGY)

**BIOLOGICAL ANALYSIS**

USE BIOASSAY

**BIOLOGICAL CELLS**

USE CELLS (BIOLOGY)

**BIOLOGICAL CLOCKS**

USE RHYTHM (BIOLOGY)

**BIOLOGICAL EFFECTS**

GS **BIOLOGICAL EFFECTS**  
 . DESYNCHRONIZATION (BIOLOGY)  
 . JET LAG  
 . RELATIVE BIOLOGICAL  
 . EFFECTIVENESS (RBE)  
 RT ACTIVITY (BIOLOGY)  
 . ATROPHY  
 . BIOASSAY  
 ∞ BIOLOGY  
 . BIOMEDICAL DATA  
 . BONE DEMINERALIZATION  
 . BRAGG CURVE  
 . CHEMICAL EFFECTS  
 . DISORIENTATION  
 . DOSAGE  
 ∞ EFFECTS  
 . FLIGHT STRESS (BIOLOGY)  
 . HUMAN REACTIONS  
 . ORBITING FROG OTOLITH  
 . PATHOLOGICAL EFFECTS  
 . PHYSIOLOGICAL EFFECTS  
 . PSYCHOLOGICAL EFFECTS  
 . RADIATION DOSAGE  
 . RADIATION EFFECTS  
 . SPACE ADAPTATION SYNDROME  
 . TEMPERATURE  
 . THERMAL POLLUTION

**BIOLOGICAL EVOLUTION**

UF BIOGENESIS  
 GS EVOLUTION (DEVELOPMENT)  
 . **BIOLOGICAL EVOLUTION**  
 . A BIOGENESIS  
 RT ARCHAEBACTERIA  
 ∞ BIOLOGY  
 . CHEMICAL EVOLUTION  
 . EUKARYOTES  
 . GENE EXPRESSION  
 . GENETICS  
 . LIFE SCIENCES  
 . MUTAGENS  
 . MUTATIONS  
 . PANSPERMIA  
 . PROKARYOTES  
 . PROTEIN SYNTHESIS

**BIOLOGICAL MODELS**

USE BIONICS

**BIOLOGICAL MODELS (MATHEMATICS)**

GS MODELS  
 . MATHEMATICAL MODELS

**BIOLOGICAL MODELS (MATHEMATICS)-(CONT.)**

∞ **BIOLOGICAL MODELS (MATHEMATICS)**  
 RT BIODYNAMICS  
 ∞ BIOLOGY  
 . BIONICS  
 . DIGITAL SIMULATION  
 . DYNAMIC MODELS

**BIOLOGICAL RHYTHM**

USE RHYTHM (BIOLOGY)

**∞ BIOLOGY**

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT ACTIVATION (BIOLOGY)  
 . ACTIVITY (BIOLOGY)  
 . ACTIVITY CYCLES (BIOLOGY)  
 . AEROBIOLOGY  
 . AEROSPACE MEDICINE  
 . AGING (BIOLOGY)  
 . AGRICULTURE  
 . ANATOMY  
 . ANIMALS  
 . BACTERIOLOGY  
 . BIFURCATION (BIOLOGY)  
 . BIOACOUSTICS  
 . BIOASSAY  
 . BIOASTRONAUTICS  
 . BIOCHEMICAL FUEL CELLS  
 . BIOCHEMICAL OXYGEN DEMAND  
 . BIOCHEMISTRY  
 . BIOCOMPATIBILITY  
 . BIOCONTROL SYSTEMS  
 . BIOCONVERSION  
 . BIODEGRADABILITY  
 . BIODEGRADATION  
 . BIODYNAMICS  
 . BIOELECTRIC POTENTIAL  
 . BIOELECTRICITY  
 . BIOENGINEERING  
 . BIOGENY  
 . BIOGEOCHEMISTRY  
 . BIOINSTRUMENTATION  
 . BIOLOGICAL EFFECTS  
 . BIOLOGICAL EVOLUTION  
 . BIOLOGICAL MODELS (MATHEMATICS)  
 . BIOLUMINESCENCE  
 . BIOMAGNETISM  
 . BIOMASS  
 . BIOMASS ENERGY PRODUCTION  
 . BIOMEDICAL DATA  
 . BIOMETEOROLOGY  
 . BIOMETRICS  
 . BIONICS  
 . BIOPHYSICS  
 . BIOREACTORS  
 . BIOSATELLITES  
 . BIOSPHERE  
 . BIOSYNTHESIS  
 . BIOTECHNOLOGY  
 . BIOTELEMETRY  
 . BODY COMPOSITION (BIOLOGY)  
 . BODY MEASUREMENT (BIOLOGY)  
 . BODY SIZE (BIOLOGY)  
 . BODY VOLUME (BIOLOGY)  
 . BONE DEMINERALIZATION  
 . BONE MINERAL CONTENT  
 . BOTANY  
 . CARBON CYCLE  
 . CELLS (BIOLOGY)  
 . COMPLEMENT (BIOLOGY)  
 . CYTOGENESIS  
 . CYTOLOGY  
 . DIFFERENTIATION (BIOLOGY)  
 . ECOLOGY  
 . EMBRYOLOGY  
 . EVOLUTION (DEVELOPMENT)  
 . EXOBIOLOGY  
 . FATIGUE (BIOLOGY)  
 . FLIGHT STRESS (BIOLOGY)  
 . GENETIC ENGINEERING  
 . GENETICS  
 . HABITATS  
 . IMMUNOLOGY  
 . IMPLANTED ELECTRODES (BIOLOGY)  
 . INTERFERON  
 . LIFE SCIENCES  
 . MARINE BIOLOGY  
 . MEDICAL SCIENCE  
 . MICROBIOLOGY  
 . MOLECULAR BIOLOGY  
 . MORPHOLOGY  
 . NITROGEN METABOLISM

## BIOLUMINESCENCE

### BIOLOGY-(CONT.)

PALEOBIOLOGY  
 PROTOBIOLOGY  
 RADIOBIOLOGY  
 RELATIVE BIOLOGICAL EFFECTIVENESS (RBE)  
 REPRODUCTION (BIOLOGY)  
 RHYTHM (BIOLOGY)  
 ∞ SCIENCE  
 SKIN TEMPERATURE (BIOLOGY)  
 ∞ STRESS (BIOLOGY)  
 TISSUES (BIOLOGY)  
 VETERINARY MEDICINE

### BIOLUMINESCENCE

GS EMISSION  
 . LIGHT EMISSION  
 . LUMINESCENCE  
 . . . BIOLUMINESCENCE  
 RT ∞ BIOLOGY  
 PHOSPHORESCENCE

### BIOMAGNETISM

GS MAGNETIC FIELDS  
 . BIOMAGNETISM  
 MAGNETIC PROPERTIES  
 . BIOMAGNETISM  
 RT BIOELECTRICITY  
 ∞ BIOLOGY  
 BIOPHYSICS  
 ELECTROMAGNETIC FIELDS  
 ELECTROMAGNETIC INTERACTIONS  
 RADIOBIOLOGY

### BIOMASS

GS WEIGHT (MASS)  
 . BIOMASS  
 RT ANIMALS  
 ∞ BIOLOGY  
 CARBON CYCLE  
 ∞ DENSITY  
 ORGANISMS  
 PLANTS (BOTANY)  
 POPULATIONS  
 SILVICULTURE  
 ∞ WEIGHT

### BIOMASS ENERGY PRODUCTION

GS ENERGY CONVERSION  
 . BIOMASS ENERGY PRODUCTION  
 RT BIOCONVERSION  
 ∞ BIOLOGY  
 BIOREACTORS  
 ∞ CROPS  
 ∞ ENERGY SOURCES  
 ENERGY TECHNOLOGY  
 HYDROCARBON FUEL PRODUCTION  
 MANURES  
 METHANATION  
 VEGETATION  
 WASTE UTILIZATION

### BIOMECHANICS

USE BIODYNAMICS

### BIOMEDICAL DATA

RT AEROSPACE MEDICINE  
 BIOLOGICAL EFFECTS  
 ∞ BIOLOGY  
 BIOMETRICS  
 BODY MEASUREMENT (BIOLOGY)  
 CARDIOGRAMS  
 ∞ DATA  
 HEART RATE  
 IMBLS

### BIOMEDICAL EXPERIMENT SCIENTIFIC SATELLITE

USE BESS (SATELLITE)

### BIOMETEOROLOGY

UF BIOCLIMATOLOGY  
 GS METEOROLOGY  
 . BIOMETEOROLOGY  
 RT ∞ BIOLOGY  
 COASTAL ECOLOGY  
 COASTAL PLAINS  
 ECOLOGY  
 MICROCLIMATOLOGY  
 NIGHTGLOW  
 PHENOGLOW

### BIOMETRICS

GS BIOENGINEERING

### BIOMETRICS-(CONT.)

. BIOMETRICS  
 . . BODY MEASUREMENT (BIOLOGY)  
 . . ANTHROPOMETRY  
 . . ELECTROPLETHYSMOGRAPHY  
 . . CARDIOGRAPHY  
 . . BALLISTOCARDIOGRAPHY  
 . . ELECTROCARDIOGRAPHY  
 . . MAGNETOCARDIOGRAPHY  
 . . PHONOCARDIOGRAPHY  
 . . ECHOCARDIOGRAPHY  
 . . SEISMOCARDIOGRAPHY  
 . . VECTORCARDIOGRAPHY  
 . . ECHOENCEPHALOGRAPHY  
 . . ELECTROENCEPHALOGRAPHY  
 . . ELECTROMYOGRAPHY  
 . . ELECTRONYSTAGMOGRAPHY  
 . . ELECTRORETINOGRAPHY  
 . . PLETHYSMOGRAPHY  
 . . ELECTROPLETHYSMOGRAPHY  
 . . RADIOCARDIOGRAPHY  
 RT BIOINSTRUMENTATION  
 ∞ BIOLOGY  
 BIOMEDICAL DATA  
 BONE MINERAL CONTENT  
 ∞ ENGINEERING  
 ORBITING FROG OTOLITH  
 PUPILLOMETRY  
 STATISTICAL ANALYSIS  
 ∞ STATISTICS

### BIONICS

UF BIOLOGICAL MODELS  
 BIOSIMULATION  
 RT ARTIFICIAL INTELLIGENCE  
 AUTOMATA THEORY  
 BIOCONTROL SYSTEMS  
 BIOENGINEERING  
 BIOINSTRUMENTATION  
 BIOLOGICAL MODELS (MATHEMATICS)  
 ∞ BIOLOGY  
 CONTROL SYSTEMS DESIGN  
 CYBERNETICS  
 HUMAN FACTORS ENGINEERING  
 MAN MACHINE SYSTEMS  
 NEURISTORS  
 RHEOELECTRICAL SIMULATION  
 ROBOTS  
 SIMULATION  
 SYNCODERS  
 SYSTEMS ENGINEERING

### BIOPAKS

GS SUPPORT SYSTEMS  
 . LIFE SUPPORT SYSTEMS  
 . . BIOPAKS  
 RT BIOENGINEERING  
 BIOSATELLITES  
 ∞ CONTAINERS  
 ENCLOSURES  
 PORTABLE LIFE SUPPORT SYSTEMS  
 PRESERVING

### BIOPHYSICS

GS BIOPHYSICS  
 . HEALTH PHYSICS  
 . . PUBLIC HEALTH  
 RT BIODYNAMICS  
 BIOENGINEERING  
 ∞ BIOLOGY  
 BIOMAGNETISM  
 ∞ PHYSICS  
 ∞ SCIENCE

### BIOPOLYMER DENATURATION

UF DENATURATION (BIOPOLYMERS)  
 NUCLEIC ACID DENATURATION  
 PROTEIN DENATURATION  
 RT BIOPOLYMERS  
 MOLECULAR STRUCTURE  
 NUCLEIC ACIDS  
 POLYMER CHEMISTRY  
 PROTEINS

### BIOPOLYMERS

GS BIOPOLYMERS  
 . NUCLEIC ACIDS  
 . . DEOXYRIBONUCLEIC ACID  
 . . RIBONUCLEIC ACIDS  
 . . PROTEINS  
 . . ALBUMINS  
 . . ASPARTATES  
 . . CALMODULIN  
 . . ELASTIN  
 . . ENZYMES

### BIOPOLYMERS-(CONT.)

. . . ALDOLASE  
 . . . AMIDASE  
 . . . CARBONIC ANHYDRASE  
 . . . CATALASE  
 . . . CHOLINESTERASE  
 . . . CYTOCHROMES  
 . . . HEXOKINASE  
 . . . LYSOZYME  
 . . . NUCLEASE  
 . . . OXIDASE  
 . . . PAPAIN  
 . . . PEP SIN  
 . . . PROTEASE  
 . . . THROMBIN  
 . . . TRYPSIN  
 . . FIBRIN  
 . . GLOBULINS  
 . . FIBRINOGEN  
 . . GAMMA GLOBULIN  
 . . HEMOGLOBIN  
 . . CARBOXYHEMOGLOBIN  
 . . OXYHEMOGLOBIN  
 . . KERATINS  
 . . LIPOPROTEINS  
 . . MELANIN  
 . . MYOGLOBIN  
 . . PROTEINOIDS  
 . . PROTHROMBIN  
 . . PROTOPROTEINS  
 RT BIOPOLYMER DENATURATION  
 NUCLEOTIDES  
 ∞ POLYMERS  
 POLYNUCLEOTIDES  
 POLYPEPTIDES

### BIOPROCESSING

RT AEROSPACE ENVIRONMENTS  
 BIOCONVERSION  
 BIOTECHNOLOGY  
 ELECTROPHORESIS  
 ∞ MICROGRAVITY APPLICATIONS  
 PHARMACOLOGY  
 REDUCED GRAVITY  
 SPACE PROCESSING  
 SPACEBORNE EXPERIMENTS  
 WEIGHTLESSNESS

### BIOREACTORS

RT ∞ BIOLOGY  
 BIOMASS ENERGY PRODUCTION  
 BIOTECHNOLOGY

### BIOREGENERATION

USE REGENERATION (PHYSIOLOGY)

### BIOREGENERATIVE LIFE SUPPORT SYSTEMS

USE CLOSED ECOLOGICAL SYSTEMS

### BIORHYTHMS

USE RHYTHM (BIOLOGY)

### BIOS PROJECT

GS PROGRAMS  
 . PROJECTS  
 . . BIOS PROJECT

### BIOSATELLITE 1

GS ARTIFICIAL SATELLITES  
 . BIOSATELLITES  
 . . BIOSATELLITE 1  
 RT BIOASTRONAUTICS

### BIOSATELLITE 2

GS ARTIFICIAL SATELLITES  
 . BIOSATELLITES  
 . . BIOSATELLITE 2  
 RT BIOASTRONAUTICS

### BIOSATELLITE 3

GS ARTIFICIAL SATELLITES  
 . BIOSATELLITES  
 . . BIOSATELLITE 3  
 RT ∞ ASTRONAUTICS  
 BIOASTRONAUTICS

### BIOSATELLITES

SN (EXCLUDES MANNED SPACECRAFT)  
 GS ARTIFICIAL SATELLITES  
 . BIOSATELLITES  
 . . BIOSATELLITE 1  
 . . BIOSATELLITE 2  
 . . BIOSATELLITE 3  
 . . ORBITING FROG OTOLITH

## BISMUTH TELLURIDES

### BIOSATELLITES-(CONT.)

- .. SPUTNIK 2 SATELLITE
- RT AEROSPACE ENVIRONMENTS
  - ∞ BIOLOGY
  - BIOPAKS
  - ENVIRONMENTAL CONTROL
  - EXTRATERRESTRIAL LIFE
  - LIFE DETECTORS
  - LIFE SUPPORT SYSTEMS
  - MANNED SPACECRAFT
  - SPACE CAPSULES
  - ∞ SPACECRAFT

### BIOSENSORS

- USE BIOINSTRUMENTATION

### BIOSIMULATION

- USE BIONICS

### BIOSPHERE

- RT ∞ BIOLOGY
  - CHEMOSPHERE
  - EARTH HYDROSPHERE
  - FREE ATMOSPHERE
  - HOMOSPHERE
  - INTERNATIONAL
    - GEOSPHERE-BIOSPHERE PROGRAM
  - LOWER ATMOSPHERE

### BIOSYNTHESIS

- RT ∞ BIOLOGY
  - CHEMICAL REACTIONS
  - GENETIC ENGINEERING
  - METABOLITES
  - PROSTAGLANDINS
- ∞ SYNTHESIS
  - SYNTHETIC FOOD

### BIOT METHOD

- RT CALCULUS OF VARIATIONS
  - ∞ METHODOLOGY

### BIOT NUMBER

- GS RATIOS
  - . DIMENSIONLESS NUMBERS
  - . . . BIOT NUMBER
- RT HEAT TRANSFER
  - ∞ NUMBERS

### BIOTECHNOLOGY

- GS TECHNOLOGIES
  - . BIOTECHNOLOGY
- RT ARTIFICIAL CARDIAC PACEMAKER
  - ARTIFICIAL HEART VALVES
- ∞ BIOLOGY
  - BIOPROCESSING
  - BIOREACTORS
  - BLOOD PUMPS
  - HEART IMPLANTATION
  - MAN MACHINE SYSTEMS

### BIOTELEMETRY

- UF PHYSIOLOGICAL TELEMETRY
- GS BIOENGINEERING
  - . BIOINSTRUMENTATION
  - . . . BIOTELEMETRY
  - TELECOMMUNICATION
    - . TELEMETRY
    - . . . BIOTELEMETRY
  - TRANSMISSION
    - . SIGNAL TRANSMISSION
    - . . . TELEMETRY
    - . . . BIOTELEMETRY
- RT ∞ BIOLOGY
  - COMMUNICATION EQUIPMENT
- ∞ ENGINEERING
  - ORBITING FROG OTOLITH
  - PNEUMOGRAPHY
  - WILDLIFE RADIOLOCATION

### BIOTIN

- UF VITAMIN B COMPLEX
- GS ORGANIC COMPOUNDS
  - . CYCLIC COMPOUNDS
  - . . . HETEROCYCLIC COMPOUNDS
  - . . . BIOTIN
  - VITAMINS
    - . BIOTIN
- RT DRUGS

### BIOTITE

- UF KIMBERLITE
- GS MINERALS
  - . MICA

### BIOTITE-(CONT.)

- .. BIOTITE

### BIPLANES

- RT ∞ AIRCRAFT
  - DUAL WING CONFIGURATIONS
  - LIGHT AIRCRAFT
  - MONOPLANES
  - TANDEM WING AIRCRAFT
  - UTILITY AIRCRAFT

### BIPOLAR TRANSISTORS

- GS ELECTRONIC EQUIPMENT
  - . SOLID STATE DEVICES
  - . . . SEMICONDUCTOR DEVICES
  - . . . TRANSISTORS
  - . . . . . BIPOLAR TRANSISTORS
- RT BIPOLARITY
  - CARRIER INJECTION
  - EPITAXY
  - MAJORITY CARRIERS
  - MINORITY CARRIERS
  - N-P-N JUNCTIONS
  - SEMICONDUCTORS (MATERIALS)

### BIPOLARITY

- RT BIPOLAR TRANSISTORS
  - ∞ POLARIZATION

### BIPROPELLANTS

- USE LIQUID ROCKET PROPELLANTS

### BIRD-AIRCRAFT COLLISIONS

- GS ACCIDENTS
  - . BIRD-AIRCRAFT COLLISIONS
  - AIRCRAFT ACCIDENTS
    - . BIRD-AIRCRAFT COLLISIONS
  - COLLISIONS
    - . MIDAIR COLLISIONS
    - . . . BIRD-AIRCRAFT COLLISIONS
- RT ∞ AIRCRAFT
  - AIRCRAFT HAZARDS
  - BIRDS
  - FLIGHT HAZARDS

### BIRDS

- GS ANIMALS
  - . VERTEBRATES
  - . . . BIRDS
  - . . . CHICKENS
  - . . . PIGEONS
  - . . . TURKEYS
  - . . . WATERFOWL
- RT AIRCRAFT HAZARDS
  - BIRD-AIRCRAFT COLLISIONS
  - EARTH RESOURCES
  - ENDANGERED SPECIES
  - FLIGHT HAZARDS
  - HOMEOTHERMS
  - PLUMAGE
  - WILDLIFE

### BIREFRINGENCE

- UF POCKELS EFFECT
- GS ELECTROMAGNETIC PROPERTIES
  - . OPTICAL PROPERTIES
  - . . . BIREFRINGENCE
  - . . . KERR ELECTROOPTICAL EFFECT
  - REFRACTION
    - . BIREFRINGENCE
    - . . . KERR ELECTROOPTICAL EFFECT
- RT ANISOTROPIC MEDIA
  - ANISOTROPY
  - BIREFRINGENT COATINGS
  - BIREFRINGENT FILTERS
  - CALCITE
  - ELECTRO-OPTICS
  - MOIRE EFFECTS
  - NONLINEAR OPTICS
  - PHOTOELASTICITY
  - POLARIZATION (WAVES)
  - REFLECTANCE
  - REFRACTIVITY
  - TEMPERATURE INVERSIONS
  - VOIGT EFFECT

### BIREFRINGENT COATINGS

- GS COATINGS
  - . BIREFRINGENT COATINGS
- RT ANISOTROPIC MEDIA
  - BIREFRINGENCE
  - BIREFRINGENT FILTERS
  - REFRACTIVITY

### BIREFRINGENT FILTERS

- GS ELECTROMAGNETIC WAVE FILTERS
  - . OPTICAL FILTERS
  - . . . BIREFRINGENT FILTERS
- RT BIREFRINGENCE
  - BIREFRINGENT COATINGS
- ∞ FILTERS
  - OPTICAL PROPERTIES
  - REFRACTIVITY

### BIRTH

- RT FERTILIZATION
  - FETUSES
  - PREGNANCY
- ∞ REPRODUCTION
  - REPRODUCTIVE SYSTEMS

### BISMALEIMIDE

- GS NITROGEN COMPOUNDS
  - . AMIDES
  - . . . POLYIMIDES
  - . . . . . BISMALEIMIDE
  - . . . IMIDES
  - . . . BISMALEIMIDE
- RT MATRIX MATERIALS
  - POLYIMIDE RESINS
  - POLYMER MATRIX COMPOSITES
  - RESIN MATRIX COMPOSITES
  - RESINS

### BISMUTH

- GS CHEMICAL ELEMENTS
  - . BISMUTH
  - . . . BISMUTH ISOTOPES
  - METALS
    - . BISMUTH
    - . . . BISMUTH ISOTOPES

### BISMUTH ALLOYS

- GS ALLOYS
  - . BISMUTH ALLOYS
- RT ANTIMONY ALLOYS
  - EUTECTIC ALLOYS
  - MAGNESIUM ALLOYS
  - TIN ALLOYS

### BISMUTH COMPOUNDS

- GS BISMUTH COMPOUNDS
  - . BISMUTH OXIDES
  - . BISMUTH SULFIDES
  - . BISMUTH TELLURIDES
- RT ∞ CHEMICAL COMPOUNDS
  - ∞ GROUP 5A COMPOUNDS
  - ∞ METAL COMPOUNDS

### BISMUTH ISOTOPES

- UF BISMUTH 205
- GS CHEMICAL ELEMENTS
  - . BISMUTH
  - . . . BISMUTH ISOTOPES
  - . . . NUCLIDES
  - . . . ISOTOPES
  - . . . . . BISMUTH ISOTOPES
  - METALS
    - . BISMUTH
    - . . . BISMUTH ISOTOPES

### BISMUTH OXIDES

- GS BISMUTH COMPOUNDS
  - . BISMUTH OXIDES
  - CHALCOGENIDES
    - . OXIDES
    - . . . METAL OXIDES
    - . . . . . BISMUTH OXIDES

### BISMUTH SULFIDES

- GS BISMUTH COMPOUNDS
  - . BISMUTH SULFIDES
  - CHALCOGENIDES
    - . SULFIDES
    - . . . INORGANIC SULFIDES
    - . . . . . BISMUTH SULFIDES
  - SULFUR COMPOUNDS
    - . SULFIDES
    - . . . INORGANIC SULFIDES
    - . . . . . BISMUTH SULFIDES

### BISMUTH TELLURIDES

- GS BISMUTH COMPOUNDS
  - . BISMUTH TELLURIDES
  - CHALCOGENIDES
    - . TELLURIDES
    - . . . BISMUTH TELLURIDES
  - TELLURIUM COMPOUNDS



## BISMUTH 205

### BISMUTH TELLURIDES-(CONT.)

- . TELLURIDES
- ... **BISMUTH TELLURIDES**

### BISMUTH 205

- USE BISMUTH ISOTOPES

### BISPHENOLS

- GS HYDROXYL COMPOUNDS
- . ALCOHOLS
- . PHENOLS
- ... **BISPHENOLS**

### BISTABLE AMPLIFIERS

- USE FLIP-FLOPS

### BISTABLE CIRCUITS

- GS CIRCUITS
- . **BISTABLE CIRCUITS**
- . FLIP-FLOPS
- RT DIGITAL TECHNIQUES
- MULTIVIBRATORS
- TRIGGER CIRCUITS

### BISTATIC RADAR

- USE MULTISTATIC RADAR

### BISTATIC REFLECTIVITY

- RT BRIGHTNESS
- INCIDENT RADIATION
- REFLECTANCE
- SCATTERING

### BIT ERROR RATE

- GS RATES (PER TIME)
- . **BIT ERROR RATE**
- RT BINARY CODES
- BINARY DATA
- BINARY DIGITS
- BIT SYNCHRONIZATION
- BITS
- ERROR ANALYSIS
- ERROR CORRECTING CODES
- ERROR DETECTION CODES
- ERROR SIGNALS
- PULSE COMMUNICATION
- SIGNAL TO NOISE RATIOS
- TRANSMISSION EFFICIENCY

### BIT SYNCHRONIZATION

- GS SYNCHRONISM
- . **BIT SYNCHRONIZATION**
- RT BIT ERROR RATE
- FREQUENCY SYNCHRONIZATION

### BITERNARY CODE

- RT  $\infty$  CODES
- . DIFFERENTIAL PULSE CODE
- . MODULATION
- DIGITAL SYSTEMS
- PULSE CODE MODULATION

### BITS

- RT BINARY DIGITS
- BIT ERROR RATE
- DRILL BITS

### BITUMENS

- RT CARBON
- COAL
- COKE
- $\infty$  CONSTRUCTION MATERIALS
- LIGNITE
- $\infty$  MATERIALS
- SOLVENT REFINED COAL

### BIVARIATE ANALYSIS

- GS STATISTICAL ANALYSIS
- . VARIANCE (STATISTICS)
- . MULTIVARIATE STATISTICAL
- ANALYSIS
- ... **BIVARIATE ANALYSIS**
- RT CORRELATION

### BL LACERTAE OBJECTS

- GS CELESTIAL BODIES
- . **BL LACERTAE OBJECTS**
- RT EXTRAGALACTIC RADIO SOURCES
- GALAXIES
- IRREGULAR GALAXIES
- LUMINOUS INTENSITY
- POLARIZATION (WAVES)
- RADIANT FLUX DENSITY
- RADIO SOURCES (ASTRONOMY)

### BLACK AND WHITE PHOTOGRAPHY

- GS IMAGERY
- . **BLACK AND WHITE PHOTOGRAPHY**
- PHOTOGRAPHY
- . **BLACK AND WHITE PHOTOGRAPHY**
- RT ALL SKY PHOTOGRAPHY
- ASTRONOMICAL PHOTOGRAPHY
- AUTORADIOGRAPHY
- CHRONOPHOTOGRAPHY
- CINEMATOGRAPHY
- CLOUD PHOTOGRAPHY
- COLOR PHOTOGRAPHY
- ELECTRO-OPTICAL PHOTOGRAPHY
- ELECTRON PHOTOGRAPHY
- FRAME PHOTOGRAPHY
- INFRARED PHOTOGRAPHY
- LUNAR PHOTOGRAPHY
- PHOTOMICROGRAPHY
- PHOTORECONNAISSANCE
- RADAR PHOTOGRAPHY
- ROCKET-BORNE PHOTOGRAPHY
- SATELLITE-BORNE PHOTOGRAPHY
- SCHLIEREN PHOTOGRAPHY
- SHADOWGRAPH PHOTOGRAPHY
- SPACEBORNE PHOTOGRAPHY
- SPECTROHELIOGRAPHS
- SPECTROPHOTOGRAPHY
- STEREOPHOTOGRAPHY
- ULTRAVIOLET PHOTOMETRY
- UROGRAPHY

### BLACK ARROW LAUNCH VEHICLE

- USE BLACK KNIGHT ROCKET VEHICLE

### BLACK BODY RADIATION

- GS ELECTROMAGNETIC RADIATION
- . THERMAL RADIATION
- . **BLACK BODY RADIATION**
- RT BRIGHTNESS DISTRIBUTION
- BRIGHTNESS TEMPERATURE
- EMISSION
- HEAT RADIATORS
- HOHLRAUMS
- INFRARED RADIATION
- KIRCHHOFF LAW OF RADIATION
- LIGHT (VISIBLE RADIATION)
- NONGRAY ATMOSPHERES
- NONGRAY GAS
- PLANCKS CONSTANT
- RADIANCE
- $\infty$  RADIATION
- SUNLIGHT
- ULTRAVIOLET RADIATION

### BLACK BRANT SOUNDING ROCKETS

- GS ROCKET VEHICLES
- . SINGLE STAGE ROCKET VEHICLES
- . **BLACK BRANT SOUNDING ROCKETS**
- ... BLACK BRANT 1 SOUNDING
- ROCKET
- ... BLACK BRANT 2 SOUNDING
- ROCKET
- ... BLACK BRANT 3 SOUNDING
- ROCKET
- ... BLACK BRANT 4 SOUNDING
- ROCKET
- ... BLACK BRANT 5 SOUNDING
- ROCKET
- . SOUNDING ROCKETS
- . **BLACK BRANT SOUNDING ROCKETS**
- ... BLACK BRANT 1 SOUNDING
- ROCKET
- ... BLACK BRANT 2 SOUNDING
- ROCKET
- ... BLACK BRANT 3 SOUNDING
- ROCKET
- ... BLACK BRANT 4 SOUNDING
- ROCKET
- ... BLACK BRANT 5 SOUNDING
- ROCKET
- RT SOLID PROPELLANT ROCKET ENGINES

### BLACK BRANT 1 SOUNDING ROCKET

- GS ROCKET VEHICLES
- . SINGLE STAGE ROCKET VEHICLES
- . BLACK BRANT SOUNDING ROCKETS
- . **BLACK BRANT 1 SOUNDING**
- ROCKET
- . SOUNDING ROCKETS
- . BLACK BRANT SOUNDING ROCKETS
- . **BLACK BRANT 1 SOUNDING**
- ROCKET
- RT SOLID PROPELLANT ROCKET ENGINES

### BLACK BRANT 2 SOUNDING ROCKET

- GS ROCKET VEHICLES
- . SINGLE STAGE ROCKET VEHICLES
- . BLACK BRANT SOUNDING ROCKETS
- . **BLACK BRANT 2 SOUNDING**
- ROCKET
- . SOUNDING ROCKETS
- . BLACK BRANT SOUNDING ROCKETS
- . **BLACK BRANT 2 SOUNDING**
- ROCKET
- RT SOLID PROPELLANT ROCKET ENGINES

### BLACK BRANT 3 SOUNDING ROCKET

- GS ROCKET VEHICLES
- . SINGLE STAGE ROCKET VEHICLES
- . BLACK BRANT SOUNDING ROCKETS
- . **BLACK BRANT 3 SOUNDING**
- ROCKET
- . SOUNDING ROCKETS
- . BLACK BRANT SOUNDING ROCKETS
- . **BLACK BRANT 3 SOUNDING**
- ROCKET
- RT SOLID PROPELLANT ROCKET ENGINES

### BLACK BRANT 4 SOUNDING ROCKET

- GS ROCKET VEHICLES
- . SINGLE STAGE ROCKET VEHICLES
- . BLACK BRANT SOUNDING ROCKETS
- . **BLACK BRANT 4 SOUNDING**
- ROCKET
- . SOUNDING ROCKETS
- . BLACK BRANT SOUNDING ROCKETS
- . **BLACK BRANT 4 SOUNDING**
- ROCKET
- RT SOLID PROPELLANT ROCKET ENGINES

### BLACK BRANT 5 SOUNDING ROCKET

- GS ROCKET VEHICLES
- . SINGLE STAGE ROCKET VEHICLES
- . BLACK BRANT SOUNDING ROCKETS
- . **BLACK BRANT 5 SOUNDING**
- ROCKET
- . SOUNDING ROCKETS
- . BLACK BRANT SOUNDING ROCKETS
- . **BLACK BRANT 5 SOUNDING**
- ROCKET
- RT SOLID PROPELLANT ROCKET ENGINES

### BLACK HAWK ASSAULT HELICOPTER

- USE H-60 HELICOPTER

### BLACK HILLS (SD-WY)

- GS LANDFORMS
- . MOUNTAINS
- . **BLACK HILLS (SD-WY)**
- RT SOUTH DAKOTA
- WYOMING

### BLACK HOLES (ASTRONOMY)

- GS CELESTIAL BODIES
- . STARS
- . **BLACK HOLES (ASTRONOMY)**
- RT ACCRETION DISKS
- DEGENERATE MATTER
- GRAVITATIONAL COLLAPSE
- GRAVITATIONAL LENSES
- NAKED SINGULARITIES
- REISSNER-NORDSTROM SOLUTION
- SUPERNOVA REMNANTS
- WHITE HOLES (ASTRONOMY)
- X RAY BINARIES

### BLACK KNIGHT ROCKET VEHICLE

- UF BLACK ARROW LAUNCH VEHICLE
- GS ROCKET VEHICLES
- . MULTISTAGE ROCKET VEHICLES
- . **BLACK KNIGHT ROCKET VEHICLE**
- . SINGLE STAGE ROCKET VEHICLES
- . **BLACK KNIGHT ROCKET VEHICLE**
- RT LIQUID PROPELLANT ROCKET ENGINES

### BLACK SEA

- GS SEAS
- . **BLACK SEA**
- RT BULGARIA
- ROMANIA
- TURKEY
- U.S.S.R.

### BLACKBURN B-103 AIRCRAFT

- USE BUCCANEER AIRCRAFT

**∞ BLACKOUT**  
 SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT BLACKOUT (PHYSIOLOGY)  
 BLACKOUT (PROPAGATION)

**BLACKOUT (PHYSIOLOGY)**

GS SYNCOPE  
 . BLACKOUT (PHYSIOLOGY)  
 . . . BLACKOUT PREVENTION  
 UNCONSCIOUSNESS  
 . BLACKOUT (PHYSIOLOGY)  
 . . . BLACKOUT PREVENTION  
 RT ACCELERATION TOLERANCE  
 ∞ BLACKOUT  
 ∞ COMA

**BLACKOUT (PROPAGATION)**

UF IONOSPHERIC BLACKOUT  
 GS ELECTROMAGNETIC INTERFERENCE  
 . RADIO FREQUENCY INTERFERENCE  
 . . BLACKOUT (PROPAGATION)  
 . . . POLAR RADIO BLACKOUT  
 RT ATMOSPHERICS  
 ∞ BLACKOUT  
 . ELECTROMAGNETIC FIELDS  
 . ELECTROMAGNETIC NOISE  
 . IONOSPHERIC DISTURBANCES  
 . PLASMA SHEATHS  
 . PLASMAS (PHYSICS)  
 . RADIATION EFFECTS  
 . RADIO COMMUNICATION  
 . REENTRY COMMUNICATION  
 . REENTRY EFFECTS  
 . SOLAR ACTIVITY EFFECTS  
 . X RAYS

**BLACKOUT PREVENTION**

GS HUMAN PERFORMANCE  
 . ASTRONAUT PERFORMANCE  
 . . BLACKOUT PREVENTION  
 SYNCOPE  
 . BLACKOUT (PHYSIOLOGY)  
 . . BLACKOUT PREVENTION  
 UNCONSCIOUSNESS  
 . BLACKOUT (PHYSIOLOGY)  
 . . BLACKOUT PREVENTION  
 RT ACCELERATION TOLERANCE  
 ∞ COMA  
 ∞ WEIGHTLESSNESS

**BLADDER**

GS ANATOMY  
 . GENITOURINARY SYSTEM  
 . . BLADDER  
 RT PROSTATE GLAND  
 UROLOGY

**BLADDERS (MECHANICS)**

USE DIAPHRAGMS (MECHANICS)

**BLADE SLAP**

USE BLADE-VORTEX INTERACTION

**BLADE SLAP NOISE**

UF HELICOPTER IMPULSIVE NOISE  
 GS ELASTIC WAVES  
 . SOUND WAVES  
 . . NOISE (SOUND)  
 . . . AERODYNAMIC NOISE  
 . . . . BLADE SLAP NOISE  
 . . . . AIRCRAFT NOISE  
 . . . . BLADE SLAP NOISE  
 RT BLADE TIPS  
 BLADE-VORTEX INTERACTION  
 HELICOPTERS

**BLADE TIPS**

GS TIPS  
 . BLADE TIPS  
 RT AIRFOIL PROFILES  
 BLADE SLAP NOISE  
 BLADE-VORTEX INTERACTION  
 PROPELLER BLADES  
 ROTARY WINGS  
 ROTOR BLADES (TURBOMACHINERY)  
 WING TIPS

**BLADE-VORTEX INTERACTION**

UF BLADE SLAP  
 VORTEX-BLADE INTERACTION  
 RT AIRFOILS  
 BLADE SLAP NOISE

**BLADE-VORTEX INTERACTION-(CONT.)**

BLADE TIPS  
 HELICOPTERS  
 ∞ INTERACTIONS  
 ROTARY WINGS  
 VORTICES  
 WING TIP VORTICES

**∞ BLADES**

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*

RT AIRFOILS  
 BLADES (CUTTERS)  
 COMPRESSOR BLADES  
 FINS  
 HYDROFOILS  
 PROPELLER BLADES  
 RIMS  
 ROTARY WINGS  
 ROTOR BLADES (TURBOMACHINERY)  
 STATOR BLADES  
 TURBINE BLADES  
 TURBOMACHINE BLADES  
 VANES

**BLADES (CUTTERS)**

GS CUTTERS  
 . BLADES (CUTTERS)  
 . . RAZOR BLADES  
 RT ∞ BLADES

**∞ BLANKETS**

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT BEDDING EQUIPMENT  
 BLANKETS (FISSION REACTORS)  
 BLANKETS (FUSION REACTORS)  
 CLOUD COVER  
 CONTROLLED ATMOSPHERES  
 SOLAR BLANKETS

**BLANKETS (FISSION REACTORS)**

RT ∞ BLANKETS  
 ∞ DAMPERS  
 FISSION  
 REACTOR DESIGN  
 REACTOR MATERIALS

**BLANKETS (FUSION REACTORS)**

RT ∞ BLANKETS  
 . FUSION REACTORS  
 . LIMITERS (FUSION REACTORS)  
 . MODERATORS  
 . REACTOR DESIGN  
 . REACTOR MATERIALS

**∞ BLANKING**

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT BLANKING (CUTTING)  
 FORMING TECHNIQUES  
 STAMPING

**BLANKING (CUTTING)**

GS CUTTING  
 . BLANKING (CUTTING)  
 . FORMING TECHNIQUES  
 . PRESSING (FORMING)  
 . . BLANKING (CUTTING)  
 RT ∞ BLANKING  
 . LASER CUTTING  
 . SHEARING  
 . STAMPING

**BLANKS**

RT AMMUNITION  
 BRIQUETS  
 FORMS (PAPER)  
 PREFORMS

**BLASIIUS EQUATION**

GS ANALYSIS (MATHEMATICS)  
 . REAL VARIABLES  
 . . DIFFERENTIAL EQUATIONS  
 . . . BLASIIUS EQUATION  
 . FLOW EQUATIONS  
 . . BOUNDARY LAYER EQUATIONS  
 . . . BLASIIUS EQUATION  
 RT BOUNDARY LAYER FLOW  
 ∞ EQUATIONS  
 FALKNER-SKAN EQUATION

**BLASIIUS EQUATION-(CONT.)**

FLAT PLATES  
 PRANDTL-MEYER EXPANSION

**BLASIIUS FLOW**

GS FLUID FLOW  
 . LAMINAR FLOW  
 . . BLASIIUS FLOW  
 . . . UNIFORM FLOW  
 . . . BLASIIUS FLOW  
 RT FLAT PLATES  
 HEAD FLOW  
 TOLLMEIN-SCHLICHTING WAVES  
 TURBULENT FLOW  
 TWO DIMENSIONAL FLOW  
 WEDGE FLOW

**BLAST DEFLECTORS**

GS DEFLECTORS  
 . BLAST DEFLECTORS  
 RT BAFFLES  
 DIVERTERS  
 FLAME DEFLECTORS  
 SHIELDING

**BLAST LOADS**

GS AERODYNAMIC FORCES  
 . AERODYNAMIC LOADS  
 . . BLAST LOADS  
 . . . LOADS (FORCES)  
 . . . DYNAMIC LOADS  
 . . . AERODYNAMIC LOADS  
 . . . . BLAST LOADS  
 . . . . TRANSIENT LOADS  
 . . . . SHOCK LOADS  
 . . . . . BLAST LOADS  
 RT AERIAL EXPLOSIONS  
 DYNAMIC PRESSURE  
 EXPLOSIONS  
 GUST LOADS  
 IMPACT LOADS  
 OVERPRESSURE  
 PRESSURE  
 PRESSURE PULSES  
 RIEMANN WAVES  
 SHOCK WAVES  
 WAVE RESISTANCE

**BLASTOFF**

USE ROCKET LAUNCHING

**∞ BLASTS**

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT EXHAUST GASES  
 EXPLOSIONS  
 JET BLAST EFFECTS  
 SHOCK WAVES  
 SOUND WAVES

**BLATTIDAE**

USE COCKROACHES

**BLEACHING**

RT CHLORINATION  
 CLEANING  
 FADING

**BLEED-OFF**

USE PRESSURE REDUCTION

**∞ BLEEDING**

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT BOUNDARY LAYER CONTROL  
 FLUID MECHANICS  
 HEMORRHAGES  
 PRESSURE REDUCTION

**BLENDS**

USE MIXTURES

**BLIGHT**

GS PLANT DISEASES  
 . BLIGHT  
 RT ALFALFA  
 BACTERIA  
 BARLEY  
 BOTANY  
 CITRUS TREES  
 CORN  
 CROP GROWTH

## BLIND LANDING

### BLIGHT-(CONT.)

CROP VIGOR  
FUNGI  
ORCHARDS  
PARASITES  
PARASITIC DISEASES  
PLANTS (BOTANY)  
RHIZOPUS  
RUST FUNGI  
VINEYARDS

### BLIND LANDING

GS LANDING  
    . **BLIND LANDING**  
RT AIRCRAFT LANDING  
    APPROACH INDICATORS  
    AUTOMATIC LANDING CONTROL  
    INSTRUMENT APPROACH  
    INSTRUMENT FLIGHT RULES  
    INSTRUMENT LANDING SYSTEMS  
    LANDING INSTRUMENTS  
    NIGHT FLIGHTS (AIRCRAFT)

### BLINDNESS

GS **BLINDNESS**  
    . FLASH BLINDNESS  
RT BRAILLE  
    EYE DISEASES  
    OPTOMETRY  
    VISION

### BLINDS

RT SHIELDING  
    ∞ SHUTTERS

### BLINKING

RT ASTRONOMICAL PHOTOMETRY  
    DISPLAY DEVICES  
    EYE MOVEMENTS  
    VISUAL PERCEPTION

### ∞ BLISTERS

SN *(USE OF A MORE SPECIFIC TERM IS  
    RECOMMENDED--CONSULT THE TERMS  
    LISTED BELOW)*  
RT INFECTIOUS DISEASES  
    INJURIES  
    MUCOCELES  
    PROTUBERANCES  
    RUPTURING  
    SKIN (ANATOMY)  
    VIRUSES

### BLOCH BAND

GS ENERGY BANDS  
    . **BLOCH BAND**  
RT ∞ BANDS  
    SUPERCONDUCTIVITY

### BLOCK DIAGRAMS

GS DIAGRAMS  
    . **BLOCK DIAGRAMS**  
RT CHARTS  
    COMPUTER PROGRAMMING  
    COMPUTER PROGRAMS  
    FLOW CHARTS  
    RESEARCH MANAGEMENT  
    SYSTEMS ANALYSIS

### BLOCK ISLAND SOUND (RI)

GS SOUNDS (TOPOGRAPHIC FEATURES)  
    . **BLOCK ISLAND SOUND (RI)**  
RT ATLANTIC OCEAN  
    RHODE ISLAND

### BLOCKING

UF OBSTRUCTING  
RT ∞ ARRESTERS  
    CLOSING  
    CLOSURES  
    CONSTRAINTS  
    CONSTRICTIONS  
    CONTAINMENT  
    PLUGGING  
    PLUGS  
    PREVENTION  
    RETARDERS (DEVICES)  
    RETARDING  
    SEALING  
    SEALS (STOPPERS)  
    STOPPING

### BLOCKS

RT CUBES (MATHEMATICS)

### BLOCKS-(CONT.)

PULLEYS  
SLABS

### BLOEDITE

GS MINERALS  
    . **BLOEDITE**  
RT MAGNESIUM SULFATES  
    SODIUM COMPOUNDS  
    SULFUR COMPOUNDS

### BLOOD

GS BODY FLUIDS  
    . **BLOOD**  
    . . FIBRIN  
    . . FIBRINOGEN  
    . . THROMBIN  
    . . THROMBOPLASTIN  
RT ANEMIAS  
    BIOCOMPATIBILITY  
    BLOOD CELLS  
    BLOOD CIRCULATION  
    BLOOD COAGULATION  
    BLOOD FLOW  
    BLOOD GROUPS  
    BLOOD PLASMA  
    BLOOD PRESSURE  
    BLOOD PUMPS  
    BLOOD VESSELS  
    BLOOD VOLUME  
    BLOOD-BRAIN BARRIER  
    CAPILLARIES (ANATOMY)  
    CARBOXYHEMOGLOBIN TEST  
    CARDIOVASCULAR SYSTEM  
    CIRCULATION  
    COAGULATION  
    HEART  
    HEMATOCRIT  
    HEMATOPOIESIS  
    HEMOGLOBIN  
    HEMORRHAGES  
    HYPERCAPNIA  
    HYPOCAPNIA  
    OXIMETRY  
    RHESUS FACTOR  
    TRANSFUSION

### BLOOD CELLS

UF CORPUSCLES (BLOOD)  
GS CELLS (BIOLOGY)  
    . **BLOOD CELLS**  
    . . ERYTHROCYTES  
    . . . RETICULOCYTES  
    . . HEMOCYTES  
    . . LEUKOCYTES  
    . . . EOSINOPHILS  
    . . . LYMPHOCYTES  
RT ANEMIAS  
    BLOOD  
    BLOOD PLASMA  
    HEMATOPOIESIS  
    HEMATOPOIETIC SYSTEM  
    HEMOGLOBIN

### BLOOD CIRCULATION

GS CIRCULATION  
    . **BLOOD CIRCULATION**  
    . . BRAIN CIRCULATION  
    . . CORONARY CIRCULATION  
    . . INTERCRANIAL CIRCULATION  
    . . INTRAVASCULAR SYSTEM  
    . . OCULAR CIRCULATION  
    . . PERIPHERAL CIRCULATION  
    . . PULMONARY CIRCULATION  
RT ARTIFICIAL CARDIAC PACEMAKER  
    ARTIFICIAL HEART VALVES  
    BLOOD  
    BLOOD-BRAIN BARRIER  
    CARBOXYHEMOGLOBIN  
    CIRCULATORY SYSTEM  
    CYANOSIS  
    DIASTOLE  
    ELECTROPLETHYSMOGRAPHY  
    HEART IMPLANTATION  
    HEMATOCRIT  
    HEMODYNAMIC RESPONSES  
    HEMODYNAMICS  
    HYPERVOLEMIA  
    HYPOVOLEMIA  
    ISCHEMIA  
    PHONOARTERIOGRAPHY  
    RHEOENCEPHALOGRAPHY  
    RHEOMETERS  
    TOURNIQUETS

### BLOOD COAGULATION

GS COAGULATION  
    . **BLOOD COAGULATION**  
RT BLOOD  
    CLOTTING  
    FIBRIN  
    HEMOSTATICS  
    MYOCARDIAL INFARCTION  
    PLATELETS  
    THROMBIN  
    THROMBOCYTES  
    THROMBOPLASTIN  
    THROMBOSIS

### BLOOD FLOW

GS FLUID FLOW  
    . **BLOOD FLOW**  
RT BLOOD  
    CAPILLARY FLOW  
    DIASTOLE  
    HEMATOCRIT  
    HEMOPERFUSION  
    SYSTOLE  
    TOURNIQUETS

### BLOOD GROUPS

RT BLOOD  
    PLATELETS

### BLOOD PLASMA

RT BLOOD  
    BLOOD CELLS  
    BODY FLUIDS  
    ELECTROLYTE METABOLISM  
    HEMATOCRIT

### BLOOD PRESSURE

GS PRESSURE  
    . **BLOOD PRESSURE**  
    . . DIASTOLIC PRESSURE  
    . . HYPERTENSION  
    . . HYPOTENSION  
    . . LOWER BODY NEGATIVE PRESSURE  
    . . SYSTOLIC PRESSURE  
RT BIOFEEDBACK  
    BLOOD  
    DIASTOLE  
    HEMODYNAMIC RESPONSES  
    HEMOPERFUSION  
    MANOMETERS  
    OPHTHALMODYNAMOMETRY  
    ORTHOSTATIC TOLERANCE  
    SPHYGMOMOGRAPHY  
    SYSTOLE  
    ∞ TENSION

### BLOOD PUMPS

GS MEDICAL EQUIPMENT  
    . **BLOOD PUMPS**  
    PUMPS  
RT ARTIFICIAL HEART VALVES  
    BIOTECHNOLOGY  
    BLOOD  
    CIRCULATION  
    CIRCULATORY SYSTEM  
    HEART  
    PULMONARY CIRCULATION

### BLOOD VESSELS

GS ANATOMY  
    . CIRCULATORY SYSTEM  
    . . CARDIOVASCULAR SYSTEM  
    . . . **BLOOD VESSELS**  
    . . . ARTERIES  
    . . . AORTA  
    . . . CAPILLARIES (ANATOMY)  
    . . . GLOMERULUS  
    . . . VEINS  
RT BIFURCATION (BIOLOGY)  
    BLOOD  
    CAROTID SINUS BODY  
    CAROTID SINUS REFLEX  
    CATHETERIZATION  
    EMBOLISMS  
    ENDOTHELIUM  
    FAT EMBOLISMS  
    VASOCONSTRICTION  
    VASODILATION  
    ∞ VESSELS

### BLOOD VOLUME

RT BLOOD  
    CARDIOVASCULAR SYSTEM  
    CHRONIC CONDITIONS

**BLOOD VOLUME-(CONT.)**

CLINICAL MEDICINE  
HEMATOCRIT  
HEMATOPOIETIC SYSTEM  
HEMODYNAMICS  
HYPERVOLEMIA  
HYPOVOLEMIA

**BLOOD-BRAIN BARRIER**

RT ∞ BARRIERS  
BLOOD  
BLOOD CIRCULATION  
CENTRAL NERVOUS SYSTEM  
NEURONS

**BLOWDOWN WIND TUNNELS**

GS TEST FACILITIES  
WIND TUNNELS  
BLOWDOWN WIND TUNNELS  
RT HOTSHOT WIND TUNNELS  
HYPERSONIC WIND TUNNELS  
HYPERVELOCITY WIND TUNNELS  
LOW DENSITY RESEARCH  
LOW SPEED WIND TUNNELS  
SUBSONIC WIND TUNNELS  
SUPERSONIC WIND TUNNELS  
TRANSONIC WIND TUNNELS

**BLOWERS**

RT AIR CONDITIONING  
AIR CONDITIONING EQUIPMENT  
AIR DUCTS  
BLOWING  
CENTRIFUGAL COMPRESSORS  
COMPRESSORS  
COOLING SYSTEMS  
DUCTED FANS  
EXHAUST SYSTEMS  
FANS  
IMPELLERS  
INJECTORS  
MATERIALS HANDLING  
MIXERS  
NOZZLES  
REFRIGERATING MACHINERY  
SEALING  
SPRAYERS  
SUPERCHARGERS  
TURBOMACHINERY  
VENTILATION  
VENTILATION FANS  
VENTILATORS

**BLOWING**

GS SPANWISE BLOWING  
BLOWING  
RT AERATION  
AGITATION  
BLOWERS  
BOUNDARY LAYER CONTROL  
CIRCULATION  
CIRCULATION CONTROL AIRFOILS  
COMPRESSING  
ENTRAINMENT  
EXHAUSTING  
FORCED CONVECTION  
INJECTION  
MIXING  
PUMPING  
SPRAYING  
WIND (METEOROLOGY)

**BLOWN FLAPS**

USE EXTERNALLY BLOWN FLAPS

**BLOWOUTS**

RT FATIGUE LIFE  
TIRES

**BLUE GOOSE MISSILE**

GS DECOYS  
BLUE GOOSE MISSILE  
MISSILES  
SURFACE TO AIR MISSILES  
BLUE GOOSE MISSILE  
RT BOOSTER ROCKET ENGINES  
COUNTERMEASURES  
J-85 ENGINE  
SOLID PROPELLANT ROCKET ENGINES

**BLUE GREEN ALGAE**

UF CYANOPHYTA  
GS PLANTS (BOTANY)  
ALGAE  
BLUE GREEN ALGAE

**BLUE GREEN ALGAE-(CONT.)**

ANABAENA  
MICROCYSTIS  
NOSTOC  
THERMOPHILIC PLANTS  
BLUE GREEN ALGAE  
NOSTOC

**BLUE SCOUT ROCKET VEHICLE**

GS LAUNCH VEHICLES  
BLUE SCOUT ROCKET VEHICLE  
ROCKET VEHICLES  
MULTISTAGE ROCKET VEHICLES  
BLUE SCOUT ROCKET VEHICLE  
RT ALGOL ENGINE  
SOLID PROPELLANT ROCKET ENGINES  
X-248 ENGINE  
X-254 ENGINE  
XM-33 ENGINE

**BLUE STARS**

GS CELESTIAL BODIES  
STARS  
EARLY STARS  
HOT STARS  
BLUE STARS  
RT A STARS  
B STARS  
O STARS

**BLUE STEEL MISSILE**

GS MISSILES  
BLUE STEEL MISSILE  
RT LIQUID PROPELLANT ROCKET ENGINES

**BLUE STREAK LAUNCH VEHICLE**

GS LAUNCH VEHICLES  
BLUE STREAK LAUNCH VEHICLE  
ROCKET VEHICLES  
BLUE STREAK LAUNCH VEHICLE  
RT ELDO LAUNCH VEHICLE  
LIQUID PROPELLANT ROCKET ENGINES

**BLUE STREAK MISSILE**

GS MISSILES  
BALLISTIC MISSILES  
INTERMEDIATE RANGE BALLISTIC MISSILES  
BLUE STREAK MISSILE  
SURFACE TO SURFACE MISSILES  
INTERMEDIATE RANGE BALLISTIC MISSILES  
BLUE STREAK MISSILE  
ROCKET VEHICLES  
BLUE STREAK MISSILE  
RT LIQUID PROPELLANT ROCKET ENGINES

**BLUEPRINTS**

GS DOCUMENTS  
ENGINEERING DRAWINGS  
BLUEPRINTS  
DRAWINGS  
ENGINEERING DRAWINGS  
BLUEPRINTS  
RT LAYOUTS  
REPRODUCTION (COPYING)

**BLUFF BODIES**

RT BLUNT BODIES  
BODIES  
DUCTED BODIES  
FOREBODIES  
LIFTING BODIES  
REENTRY VEHICLES  
ROSHKO PREDICTION

**BLUFFS (LANDFORMS)**

USE CLIFFS

**BLUNT BODIES**

RT AERODYNAMIC CONFIGURATIONS  
AERODYNAMICS  
AXISYMMETRIC BODIES  
BLUFF BODIES  
BODIES  
DUCTED BODIES  
FOREBODIES  
MISSILE BODIES  
NOSE CONES  
STAGNATION POINT  
SYMMETRICAL BODIES

**BLUNT LEADING EDGES**

GS EDGES

**BLUNT LEADING EDGES-(CONT.)**

LEADING EDGES  
BLUNT LEADING EDGES  
RT AIRFOILS  
FOREBODIES  
TRAILING EDGES

**BLUNT TRAILING EDGES**

GS EDGES  
TRAILING EDGES  
BLUNT TRAILING EDGES  
RT AIRFOILS  
CONTROL SURFACES  
WINGS

**BLURRING**

RT ABERRATION  
RESOLUTION  
SPATIAL FILTERING

**BMC**

USE BONE MINERAL CONTENT

**BMEWS**

USE BALLISTIC MISSILE EARLY WARNING SYSTEM

**BO-105 HELICOPTER**

GS Bolkow Aircraft  
BO-105 HELICOPTER  
PASSENGER AIRCRAFT  
BO-105 HELICOPTER  
UTILITY AIRCRAFT  
BO-105 HELICOPTER  
V/STOL AIRCRAFT  
ROTARY WING AIRCRAFT  
HELICOPTERS  
BO-105 HELICOPTER

**BOARDS (PAPER)**

UF FIBERBOARD  
RT CONSTRUCTION MATERIALS  
PAPER (MATERIAL)  
PAPERS

**BOATS**

GS SURFACE VEHICLES  
BOATS  
LIFEBOATS  
WATER VEHICLES  
BOATS  
LIFEBOATS  
RT AMPHIBIOUS VEHICLES  
HARBORS  
INFLATABLE STRUCTURES  
KEELS  
MILITARY VEHICLES  
RESEARCH VEHICLES  
SHIPS  
UNDERWATER VEHICLES

**BOATTAILS**

RT AFTERBODIES  
SKIRTS  
TAIL ASSEMBLIES

**BOD**

USE BIOCHEMICAL OXYGEN DEMAND

**BODIES**

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)

RT AFTERBODIES  
AXISYMMETRIC BODIES  
BLUFF BODIES  
BLUNT BODIES  
BODIES OF REVOLUTION  
CELESTIAL BODIES  
CENTERBODIES  
DUCTED BODIES  
ELASTIC BODIES  
FINNED BODIES  
FLEXIBLE BODIES  
FOREIGN BODIES  
HERBIG-HARO OBJECTS  
HUMAN BODY  
LENTICULAR BODIES  
LIFTING BODIES  
MANEUVERABLE REENTRY BODIES  
MISSILE BODIES  
PLANFORMS  
PLASTIC BODIES  
PYRAMIDAL BODIES

## BODIES OF REVOLUTION

### BODIES-(CONT.)

REENTRY VEHICLES  
ROTATING BODIES  
SLENDER BODIES  
SOLIDS  
STREAMLINED BODIES  
SYMMETRICAL BODIES  
THREE DIMENSIONAL BODIES  
TOWED BODIES  
TWO DIMENSIONAL BODIES

### BODIES OF REVOLUTION

GS SYMMETRICAL BODIES  
    . **BODIES OF REVOLUTION**  
    . CONICAL BODIES  
    . SLENDER CONES  
    . CYLINDRICAL BODIES  
    . ROTATING CYLINDERS  
    . PARABOLIC BODIES  
    . SPHERES  
    . CELESTIAL SPHERE  
    . CONCENTRIC SPHERES  
    . FALLING SPHERES  
    . POINCARÉ SPHERES  
    . ROTATING SPHERES  
    . TORUSES  
RT AERODYNAMIC CONFIGURATIONS  
AERODYNAMICS  
AXES OF ROTATION  
AXISYMMETRIC BODIES  
∞ BODIES  
    CONES  
    DISKS (SHAPES)  
    ELLIPSOIDS  
    FINNED BODIES  
    GEOMETRY  
∞ HEMISPHERES  
    HEMISPHERICAL SHELLS  
    OGIVES  
∞ RINGS  
    SPHERICAL SHELLS  
    STREAMLINED BODIES

### BODY CENTERED CUBIC LATTICES

UF BCC LATTICES  
GS CRYSTAL LATTICES  
    . CUBIC LATTICES  
    . **BODY CENTERED CUBIC LATTICES**  
RT CLOSE PACKED LATTICES  
CRYSTALS  
FACE CENTERED CUBIC LATTICES

### BODY COMPOSITION (BIOLOGY)

GS COMPOSITION (PROPERTY)  
    . **BODY COMPOSITION (BIOLOGY)**  
    PHYSIOLOGY  
    . **BODY COMPOSITION (BIOLOGY)**  
RT ∞ BIOLOGY  
    CHEMICAL COMPOSITION  
    EXOSKELETONS

### BODY FLUIDS

GS **BODY FLUIDS**  
    . BLOOD  
    . FIBRIN  
    . FIBRINOGEN  
    . THROMBIN  
    . THROMBOPLASTIN  
    . CEREBROSPINAL FLUID  
    . ENDOLYMPH  
    . LYMPH  
    . MUCUS  
    . SALIVA  
    . SWEAT  
    . URINE  
RT BLOOD PLASMA  
DIURESIS  
EDEMA  
ELECTROLYTE METABOLISM  
∞ FLUIDS  
    ISOTONICITY  
    LYSOZYME  
    MINERAL METABOLISM  
    OBESITY  
    PERSPIRATION  
    SECRETIONS  
    WATER  
    WATER BALANCE

### BODY KINEMATICS

GS KINEMATICS  
    **BODY KINEMATICS**  
RT ACCELERATION (PHYSICS)  
ACCELERATION STRESSES  
(PHYSIOLOGY)

### BODY KINEMATICS-(CONT.)

KINETICS  
PARTICLE THEORY  
VELOCITY

### BODY MEASUREMENT (BIOLOGY)

SN (LIMITED TO BIOLOGICAL  
APPLICATIONS-FOR MEASUREMENT OF  
NON-BIOLOGICAL BODIES USE SIZE  
DETERMINATION)  
GS BIOENGINEERING  
    . BIOMETRICS  
    . **BODY MEASUREMENT (BIOLOGY)**  
    . ANTHROPOMETRY  
    . ELECTROLETHYSMOGRAPHY  
RT ∞ BIOLOGY  
    BIOMEDICAL DATA  
    ELECTROCARDIOGRAPHY  
    ELECTROENCEPHALOGRAPHY  
    ELECTROPHYSIOLOGY  
∞ ENGINEERING  
    HUMAN BODY  
    HUMAN FACTORS ENGINEERING  
    OBESITY  
    SIZE DETERMINATION  
∞ SIZING

### BODY SIZE (BIOLOGY)

RT ANTHROPOMETRY  
∞ BIOLOGY  
OBESITY

### BODY SWAY TEST

GS PHYSIOLOGICAL TESTS  
    . **BODY SWAY TEST**  
RT ∞ EQUILIBRIUM  
    HEAD DOWN TILT  
    VERTICAL PERCEPTION  
    VESTIBULAR TESTS

### BODY TEMPERATURE

SN (LIMITED TO TEMPERATURE OF  
BIOLOGICAL BODIES)  
GS TEMPERATURE  
    . **BODY TEMPERATURE**  
RT COLD TOLERANCE  
FEVER  
HEAT ACCLIMATIZATION  
HEAT STROKE  
HEAT TOLERANCE  
HOMEOSTASIS  
HOMEOTHERMS  
HUMIDITY  
HYPERTHERMIA  
HYPOTHERMIA  
PERSPIRATION  
POIKILOthermia  
SHIVERING  
THERMORECEPTORS  
THERMOREGULATION  
VASOCONSTRICTION  
VASODILATION

### BODY TEMPERATURE (NON-BIOLOGICAL)

USE TEMPERATURE

### BODY TEMPERATURE REGULATION

USE THERMOREGULATION

### BODY VOLUME (BIOLOGY)

GS VOLUME  
    . **BODY VOLUME (BIOLOGY)**  
RT ∞ BIOLOGY  
OBESITY

### BODY WEIGHT

GS WEIGHT (MASS)  
    . **BODY WEIGHT**  
RT OBESITY  
WEIGHTLESSNESS

### BODY-WING AND TAIL CONFIGURATIONS

RT AERODYNAMIC CONFIGURATIONS  
∞ CONFIGURATIONS  
FUSELAGES  
TAIL ASSEMBLIES  
WINGS

### BODY-WING CONFIGURATIONS

RT AERODYNAMIC CONFIGURATIONS  
AIRFOILS  
DROOPED AIRFOILS  
GAW-2 AIRFOIL  
WINGS

### BOEING AIRCRAFT

UF VERTOL MILITARY HELICOPTERS  
GS **BOEING AIRCRAFT**  
    . B-47 AIRCRAFT  
    . B-50 AIRCRAFT  
    . B-52 AIRCRAFT  
    . BOEING 707 AIRCRAFT  
    . BOEING 720 AIRCRAFT  
    . BOEING 727 AIRCRAFT  
    . BOEING 733 AIRCRAFT  
    . BOEING 737 AIRCRAFT  
    . BOEING 747 AIRCRAFT  
    . BOEING 757 AIRCRAFT  
    . BOEING 767 AIRCRAFT  
    . BOEING 2707 AIRCRAFT  
    . C-135 AIRCRAFT  
    . CH-21 HELICOPTER  
    . CH-46 HELICOPTER  
    . CH-47 HELICOPTER  
    . CH-62 HELICOPTER  
    . E-3A AIRCRAFT  
    . E-4A AIRCRAFT  
    . H-25 HELICOPTER  
    . RB-50 AIRCRAFT  
    . VZ-2 AIRCRAFT  
    . X-20 AIRCRAFT  
RT ∞ AIRCRAFT  
    AWACS AIRCRAFT  
    YC-14 AIRCRAFT

### BOEING MILITARY AIRCRAFT

USE MILITARY AIRCRAFT

### BOEING 707 AIRCRAFT

GS BOEING AIRCRAFT  
    . **BOEING 707 AIRCRAFT**  
    COMMERCIAL AIRCRAFT  
    . **BOEING 707 AIRCRAFT**  
    JET AIRCRAFT  
    . TURBOFAN AIRCRAFT  
    . **BOEING 707 AIRCRAFT**  
    MONOPLANES  
    . **BOEING 707 AIRCRAFT**  
    PASSENGER AIRCRAFT  
    . **BOEING 707 AIRCRAFT**  
    TRANSPORT AIRCRAFT  
    . **BOEING 707 AIRCRAFT**  
RT ∞ AIRCRAFT

### BOEING 720 AIRCRAFT

GS BOEING AIRCRAFT  
    . **BOEING 720 AIRCRAFT**  
    COMMERCIAL AIRCRAFT  
    . **BOEING 720 AIRCRAFT**  
    JET AIRCRAFT  
    . TURBOFAN AIRCRAFT  
    . **BOEING 720 AIRCRAFT**  
    MONOPLANES  
    . **BOEING 720 AIRCRAFT**  
    PASSENGER AIRCRAFT  
    . **BOEING 720 AIRCRAFT**  
    TRANSPORT AIRCRAFT  
    . **BOEING 720 AIRCRAFT**  
RT ∞ AIRCRAFT

### BOEING 727 AIRCRAFT

GS BOEING AIRCRAFT  
    . **BOEING 727 AIRCRAFT**  
    COMMERCIAL AIRCRAFT  
    . **BOEING 727 AIRCRAFT**  
    JET AIRCRAFT  
    . TURBOFAN AIRCRAFT  
    . **BOEING 727 AIRCRAFT**  
    PASSENGER AIRCRAFT  
    . **BOEING 727 AIRCRAFT**  
    TRANSPORT AIRCRAFT  
    . **BOEING 727 AIRCRAFT**  
RT ∞ AIRCRAFT  
    CARGO AIRCRAFT

### BOEING 733 AIRCRAFT

GS BOEING AIRCRAFT  
    . **BOEING 733 AIRCRAFT**  
    COMMERCIAL AIRCRAFT  
    . **BOEING 733 AIRCRAFT**  
    JET AIRCRAFT  
    . TURBOFAN AIRCRAFT  
    . **BOEING 733 AIRCRAFT**  
    MONOPLANES  
    . **BOEING 733 AIRCRAFT**  
    SUPERSONIC AIRCRAFT  
    . **BOEING 733 AIRCRAFT**  
    TRANSPORT AIRCRAFT  
    . **BOEING 733 AIRCRAFT**  
RT ∞ AIRCRAFT

**BOEING 733 AIRCRAFT-(CONT.)**  
VARIABLE SWEEP WINGS

**BOEING 737 AIRCRAFT**  
GS BOEING AIRCRAFT  
    . BOEING 737 AIRCRAFT  
    COMMERCIAL AIRCRAFT  
    . BOEING 737 AIRCRAFT  
    JET AIRCRAFT  
    . TURBOFAN AIRCRAFT  
    . BOEING 737 AIRCRAFT  
    MONOPLANES  
    . BOEING 737 AIRCRAFT  
    PASSENGER AIRCRAFT  
    . BOEING 737 AIRCRAFT  
    TRANSPORT AIRCRAFT  
    . BOEING 737 AIRCRAFT  
RT  $\infty$  AIRCRAFT  
    CARGO AIRCRAFT

**BOEING 747 AIRCRAFT**  
GS BOEING AIRCRAFT  
    . BOEING 747 AIRCRAFT  
    COMMERCIAL AIRCRAFT  
    . BOEING 747 AIRCRAFT  
    JET AIRCRAFT  
    . BOEING 747 AIRCRAFT  
    PASSENGER AIRCRAFT  
    . BOEING 747 AIRCRAFT  
    TRANSPORT AIRCRAFT  
    . BOEING 747 AIRCRAFT  
RT  $\infty$  AIRCRAFT  
    TURBOFAN ENGINES

**BOEING 747B AIRCRAFT**  
USE E-4A AIRCRAFT

**BOEING 757 AIRCRAFT**  
GS BOEING AIRCRAFT  
    . BOEING 757 AIRCRAFT  
    COMMERCIAL AIRCRAFT  
    . BOEING 757 AIRCRAFT  
    JET AIRCRAFT  
    . TURBOFAN AIRCRAFT  
    . BOEING 757 AIRCRAFT  
    MONOPLANES  
    . BOEING 757 AIRCRAFT  
    PASSENGER AIRCRAFT  
    . BOEING 757 AIRCRAFT  
    TRANSPORT AIRCRAFT  
    . BOEING 757 AIRCRAFT  
RT  $\infty$  AIRCRAFT

**BOEING 767 AIRCRAFT**  
GS BOEING AIRCRAFT  
    . BOEING 767 AIRCRAFT  
    COMMERCIAL AIRCRAFT  
    . BOEING 767 AIRCRAFT  
    JET AIRCRAFT  
    . TURBOFAN AIRCRAFT  
    . BOEING 767 AIRCRAFT  
    MONOPLANES  
    . BOEING 767 AIRCRAFT  
    PASSENGER AIRCRAFT  
    . BOEING 767 AIRCRAFT  
    TRANSPORT AIRCRAFT  
    . BOEING 767 AIRCRAFT  
RT  $\infty$  AIRCRAFT  
    CARGO AIRCRAFT  
    TURBOFAN ENGINES

**BOEING 2707 AIRCRAFT**  
GS BOEING AIRCRAFT  
    . BOEING 2707 AIRCRAFT  
    COMMERCIAL AIRCRAFT  
    . SUPERSONIC COMMERCIAL AIR  
    TRANSPORT  
    . BOEING 2707 AIRCRAFT  
    JET AIRCRAFT  
    . BOEING 2707 AIRCRAFT  
    PASSENGER AIRCRAFT  
    . BOEING 2707 AIRCRAFT  
    SUPERSONIC AIRCRAFT  
    . SUPERSONIC TRANSPORTS  
    . SUPERSONIC COMMERCIAL AIR  
    TRANSPORT  
    . BOEING 2707 AIRCRAFT  
    TRANSPORT AIRCRAFT  
    . BOEING 2707 AIRCRAFT  
RT  $\infty$  AIRCRAFT

**BOGOLIUBOV THEORY**  
RT BBGKY HIERARCHY  
 $\infty$  THEORIES

**BOGS**  
USE MARSHLANDS

**BOHR MAGNETON**  
GS CONSTANTS  
    . BOHR MAGNETON  
RT ELECTRONS  
    MAGNETIC MOMENTS

**BOHR THEORY**  
GS THEORETICAL PHYSICS  
    . QUANTUM THEORY  
    . BOHR THEORY  
RT ELECTRON TRANSITIONS  
    LINE SPECTRA  
 $\infty$  THEORIES

**BOILER PLATE**  
GS STRUCTURAL MEMBERS  
    . PLATES (STRUCTURAL MEMBERS)  
    . METAL PLATES  
    . BOILER PLATE  
RT THICK WALLS

**BOILERS**  
UF STEAM GENERATORS  
GS HEATING EQUIPMENT  
    . BOILERS  
RT EXTERNAL COMBUSTION ENGINES  
    FURNACES  
 $\infty$  GENERATORS  
    HEAT BALANCE  
    PRESSURE VESSELS  
    STEAM  
    VAPORIZERS  
    WASTE ENERGY UTILIZATION

**BOILING**  
UF EBULLITION  
GS PHASE TRANSFORMATIONS  
    . VAPORIZING  
    . BOILING  
    . . . FILM BOILING  
    . . . NUCLEATE BOILING  
    . . . LEIDENFROST PHENOMENON  
RT EFFERESCENCE  
    EVAPORATION  
    EVOLUTION (LIBERATION)  
    HEAT TRANSFER  
    HEATING

**BOILING WATER REACTORS**  
GS NUCLEAR REACTORS  
    . LIQUID COOLED REACTORS  
    . . . WATER COOLED REACTORS  
    . . . BOILING WATER REACTORS  
    . . . . EXPERIMENTAL BOILING WATER  
    . . . . REACTORS  
    . . . . HALDEN BOILING WATER  
    . . . . REACTOR  
    . . . . LOS ALAMOS WATER BOILER  
    . . . . REACTOR  
    . . . . PATHFINDER NUCLEAR REACTOR  
    . . . . SPERT REACTORS  
RT NUCLEAR POWER REACTORS  
    NUCLEAR RESEARCH AND TEST  
    REACTORS

**BOLIDES**  
GS CELESTIAL BODIES  
    . METEORIODS  
    . BOLIDES  
RT CYRILLID METEORIODS  
    ATMOSPHERIC ENTRY  
    ATMOSPHERIC HEATING  
 $\infty$  FIREBALLS  
    METEOR TRAILS  
    METEORITES  
    METEOROID SHOWERS  
    PRIBRAM METEORITE

**BOLIVIA**  
GS NATIONS  
    . BOLIVIA  
RT SOUTH AMERICA

**BOLKOW AIRCRAFT**  
GS BOLKOW AIRCRAFT  
    . BO-105 HELICOPTER  
RT  $\infty$  AIRCRAFT

**BOLL WEEVILS**  
GS ANIMALS  
    . INVERTEBRATES

**BOLTZMANN-VLASOV EQUATION**

**BOLL WEEVILS-(CONT.)**  
    . . . ARTHROPODS  
    . . . INSECTS  
    . . . . COLEOPTERA  
    . . . . . BOLL WEEVILS  
RT BOLLWORMS  
    COTTON  
    INFESTATION

**BOLLWORMS**  
GS ANIMALS  
    . INVERTEBRATES  
    . . . ARTHROPODS  
    . . . INSECTS  
    . . . . BOLLWORMS  
    LARVAE  
    . BOLLWORMS  
RT BOLL WEEVILS  
    CORN  
    COTTON  
    FRUITS  
    INFESTATION  
    MOTHS

**BOLOGRAMS**  
USE BOLOMETERS

**BOLOMETERS**  
UF BOLOGRAMS  
GS MEASURING INSTRUMENTS  
    . RADIATION MEASURING INSTRUMENTS  
    . BOLOMETERS  
RT DICKE RADIOMETERS  
    ELECTRICAL MEASUREMENT  
    HEAT MEASUREMENT  
    INFRARED DETECTORS  
    PHOTOMETERS  
    POTENTIOMETERS (INSTRUMENTS)  
    RADIATION PYROMETERS  
    RADIOMETERS  
    RESISTANCE THERMOMETERS  
    TEMPERATURE MEASUREMENT  
    TEMPERATURE MEASURING  
    INSTRUMENTS

**BOLTED JOINTS**  
GS JOINTS (JUNCTIONS)  
    . BOLTED JOINTS  
RT BOLTS  
    LAP JOINTS  
    RIVETED JOINTS

**BOLTS**  
GS FASTENERS  
    . BOLTS  
    . . . ROCK BOLTS  
    . . . TIEBOLTS  
RT ANCHORS (FASTENERS)  
    BOLTED JOINTS  
    COUPLINGS  
    HOLDERS  
    NUTS (FASTENERS)  
    SCREWS  
    STUDS (STRUCTURAL MEMBERS)  
    THREADS

**BOLTZMANN DISTRIBUTION**  
GS DISTRIBUTION (PROPERTY)  
    . BOLTZMANN DISTRIBUTION  
RT ATMOSPHERIC DENSITY  
    ATMOSPHERIC DIFFUSION  
    KINETIC THEORY  
    STATISTICAL MECHANICS  
    TWO FLUID MODELS

**BOLTZMANN TRANSPORT EQUATION**  
RT BBGKY HIERARCHY  
    CHAPMAN-ENSKOG THEORY  
 $\infty$  EQUATIONS  
    FOKKER-PLANCK EQUATION  
    HYDRODYNAMIC EQUATIONS  
    KINETIC THEORY  
    PARTICLE DIFFUSION  
    STATISTICAL MECHANICS  
    TRANSPORT PROPERTIES  
    TRANSPORT THEORY

**BOLTZMANN-VLASOV EQUATION**  
RT  $\infty$  EQUATIONS  
    HIGH TEMPERATURE PLASMAS  
    MAXWELL EQUATION  
    PARTIAL DIFFERENTIAL EQUATIONS  
    WAVE EQUATIONS

## BOLZA PROBLEMS

### BOLZA PROBLEMS

RT OPTIMIZATION  
∞ PROBLEMS

### BOMARC A MISSILE

GS MISSILES  
  . SURFACE TO AIR MISSILES  
  . . BOMARC MISSILES  
  . . . **BOMARC A MISSILE**  
RT LIQUID PROPELLANT ROCKET ENGINES  
  SOLID PROPELLANT ROCKET ENGINES

### BOMARC B MISSILE

GS MISSILES  
  . SURFACE TO AIR MISSILES  
  . . BOMARC MISSILES  
  . . . **BOMARC B MISSILE**  
RT LIQUID PROPELLANT ROCKET ENGINES  
  SOLID PROPELLANT ROCKET ENGINES

### BOMARC MISSILES

GS MISSILES  
  . ANTI-AIRCRAFT MISSILES  
  . . **BOMARC MISSILES**  
  . . SURFACE TO AIR MISSILES  
  . . . **BOMARC MISSILES**  
  . . . BOMARC A MISSILE  
  . . . BOMARC B MISSILE

### BOMB CALORIMETERS

GS MEASURING INSTRUMENTS  
  . CALORIMETERS  
  . . **BOMB CALORIMETERS**  
RT DROP CALORIMETERS  
  FLAME CALORIMETERS  
  HEAT MEASUREMENT  
  HIGH TEMPERATURE TESTS  
  TEMPERATURE MEASURING  
    INSTRUMENTS

### ∞ BOMBARDMENT

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT HYPERVELOCITY PROJECTILES  
  IRRADIATION  
  METEORITIC DAMAGE  
  SPUTTERING

### BOMBER AIRCRAFT

GS ATTACK AIRCRAFT  
  . **BOMBER AIRCRAFT**  
  . . A-2 AIRCRAFT  
  . . A-3 AIRCRAFT  
  . . A-4 AIRCRAFT  
  . . A-5 AIRCRAFT  
  . . A-6 AIRCRAFT  
  . . B-1 AIRCRAFT  
  . . B-26 AIRCRAFT  
  . . B-47 AIRCRAFT  
  . . B-50 AIRCRAFT  
  . . B-52 AIRCRAFT  
  . . B-57 AIRCRAFT  
  . . B-58 AIRCRAFT  
  . . B-66 AIRCRAFT  
  . . B-70 AIRCRAFT  
  . . F-100 AIRCRAFT  
  . . SHACKLETON BOMBER  
  . . VALIANT AIRCRAFT  
  . . VICTOR MK-1 AIRCRAFT  
  . . VULCAN AIRCRAFT  
RT ∞ AIRCRAFT  
  ANTISUBMARINE WARFARE AIRCRAFT  
  BOMBING EQUIPMENT  
  JET AIRCRAFT  
  ∞ MILITARY AIRCRAFT  
  ∞ MILITARY AVIATION  
  RB-50 AIRCRAFT  
  TANKER AIRCRAFT  
  TRAINING AIRCRAFT  
  VAMPIRE MK 35 AIRCRAFT

### BOMBING EQUIPMENT

GS ONBOARD EQUIPMENT  
  . AIRCRAFT EQUIPMENT  
  . . **BOMBING EQUIPMENT**  
RT B-1 AIRCRAFT  
  BOMBER AIRCRAFT  
  BOMBS (ORDNANCE)  
∞ EQUIPMENT  
  FIRE CONTROL

### ∞ BOMBS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*

RT BOMBS (ORDNANCE)  
  PRECISION GUIDED PROJECTILES  
  PRESSURE GAGES  
  SAMPLERS

### BOMBS (ORDNANCE)

GS EXPLOSIVE DEVICES  
  . **BOMBS (ORDNANCE)**  
RT AMMUNITION  
  B-1 AIRCRAFT  
  BOMBING EQUIPMENT  
  ∞ BOMBS  
  EXPLOSIVES  
  INCENDIARY AMMUNITION  
  MISSILES  
  NUCLEAR WEAPONS  
  PROJECTILES  
  PYROTECHNICS  
  SHAPED CHARGES  
  TORPEDOES  
  WARHEADS

### BOMBS (PRESSURE GAGES)

USE PRESSURE GAGES

### BOMBS (SAMPLERS)

USE SAMPLERS

### BONANZA AIRCRAFT

USE C-35 AIRCRAFT

### BOND GRAPHS

GS CHARTS  
  . GRAPHS (CHARTS)  
  . . **BOND GRAPHS**  
RT CONTROL SYSTEMS DESIGN  
  DIFFERENTIAL EQUATIONS  
  DYNAMIC MODELS  
  MATHEMATICAL MODELS  
  ∞ MATHEMATICS  
  ∞ NETWORKS  
  SIMULATION  
  SYSTEMS ANALYSIS  
  SYSTEMS ENGINEERING

### BONDING

GS **BONDING**  
  . ADHESIVE BONDING  
  . . AGGLUTINATION  
  . . CERAMIC BONDING  
  . . EXPLOSIVE WELDING  
  . . INERTIA BONDING  
  . . METAL BONDING  
  . . . METAL-METAL BONDING  
  . . REACTION BONDING  
  . . RESIN BONDING  
RT ADHESION  
  ADHESION TESTS  
  BEAM LEADS  
  BINDING  
  CEMENTATION  
  CHEMICAL BONDS  
  COHESION  
  COLD WELDING  
  DIFFUSION WELDING  
  ∞ JOINING  
  JOINTS (JUNCTIONS)  
  LAMINATES  
  LASER WELDING  
  SEALING  
  SOLDERING  
  WELDING

### BONDOC METEORITE

GS CELESTIAL BODIES  
  . METEORITES  
  . . STONY METEORITES  
  . . . ACHONDRITES  
  . . . **BONDOC METEORITE**

### BONE DEMINERALIZATION

GS DEMINERALIZING  
  . **BONE DEMINERALIZATION**  
  DISEASES  
  . . **BONE DEMINERALIZATION**  
RT BIOLOGICAL EFFECTS  
  ∞ BIOLOGY  
  BONES  
  OSTEOPOROSIS  
  PHYSIOLOGICAL EFFECTS  
  WEIGHTLESSNESS

### BONE MARROW

GS ANATOMY  
  . MUSCULOSKELETAL SYSTEM  
  . . CONNECTIVE TISSUE  
  . . . **BONE MARROW**  
RT BONES  
  CANCER  
  ERYTHROCYTES  
  HEMATOPOIESIS  
  HEMATOPOIETIC SYSTEM  
  LEUKEMIAS  
  LEUKOCYTES

### BONE MINERAL CONTENT

UF BMC  
GS CONTENT  
  . **BONE MINERAL CONTENT**  
RT BIOENGINEERING  
  ∞ BIOLOGY  
  BIOMETRICS  
  BONES  
  CALCIUM CARBONATES  
  CALCIUM PHOSPHATES  
  COLLAGENS  
  MINERALS  
  OSTEOPOROSIS

### BONES

GS ANATOMY  
  . MUSCULOSKELETAL SYSTEM  
  . . **BONES**  
  . . . FEMUR  
  . . . PELVIS  
  . . . SCAPULA  
  . . . SKULL  
  . . . . CRANIUM  
  . . . . INTRACRANIAL CAVITY  
  . . . . MASTOIDS  
  . . . SPINE  
  . . . . VERTEBRAE  
  . . . STERNUM  
  . . . TIBIA  
  . . . ULNA  
RT ARTHRITIS  
  BONE DEMINERALIZATION  
  BONE MARROW  
  BONE MINERAL CONTENT  
  CALCIFICATION  
  CARTILAGE  
  CHIN  
  CONNECTIVE TISSUE  
  EXOSKELETONS  
  JOINTS (ANATOMY)  
  LAMELLA  
  OSTEOPOROSIS  
  SPINAL CORD  
  SPLINTS

### BONNE PROJECTION

RT MAPPING  
  MAPS  
  ∞ PROJECTION

### BOOLEAN ALGEBRA

GS MATHEMATICAL LOGIC  
  . LATTICES (MATHEMATICS)  
  . . **BOOLEAN ALGEBRA**  
  . . . BOOLEAN FUNCTIONS  
RT ALGEBRA  
  ∞ CONJUNCTION  
  INSTRUCTION SETS (COMPUTERS)  
  ∞ LOGIC  
  SET THEORY  
  SWITCHING THEORY  
  TRANSISTOR LOGIC  
  ∞ UNIONS

### BOOLEAN FUNCTIONS

GS FUNCTIONS (MATHEMATICS)  
  . **BOOLEAN FUNCTIONS**  
  MATHEMATICAL LOGIC  
  . LATTICES (MATHEMATICS)  
  . . BOOLEAN ALGEBRA  
  . . . **BOOLEAN FUNCTIONS**

### ∞ BOOM

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT BOOMS (EQUIPMENT)  
  SONIC BOOMS  
  TAIL ASSEMBLIES

### BOOMS (EQUIPMENT)

GS POSITIONING DEVICES (MACHINERY)

**BOOMS (EQUIPMENT)-(CONT.)**

. **BOOMS (EQUIPMENT)**  
RT ∞ BOOM  
CRANES

**BOOST**

USE ACCELERATION (PHYSICS)

**BOOSTER RECOVERY**

RT EXPENDABLE STAGES (SPACECRAFT)  
RECOVERABLE LAUNCH VEHICLES  
∞ RECOVERY  
RECOVERY PARACHUTES  
SPACECRAFT RECOVERY

**BOOSTER ROCKET ENGINES**

UF ROCKET BOOSTERS  
GS ENGINES  
. ROCKET ENGINES  
. **BOOSTER ROCKET ENGINES**  
. . . AJ-10 ENGINE  
. . . ALGOL ENGINE  
. . . APOGEE BOOST MOTORS  
. . . H-1 ENGINE  
. . . LR-87-AJ-5 ENGINE  
. . . M-1 ENGINE  
. . . M-55 ENGINE  
. . . MA-2 ENGINE  
. . . MA-3 ENGINE  
. . . MA-5 ENGINE  
. . . NIKE BOOSTER ROCKET ENGINES  
. . . P-1 ENGINE  
. . . ROCKET ENGINE 9KS-11000  
. . . SPACE SHUTTLE BOOSTERS  
. . . X-405 ENGINE  
RT AIR BREATHING BOOSTERS  
BLUE GOOSE MISSILE  
∞ BOOSTERS  
BURNOUT  
DUCTED ROCKET ENGINES  
EXPENDABLE STAGES (SPACECRAFT)  
F-1 ROCKET ENGINE  
HYBRID PROPELLANT ROCKET ENGINES  
INTERNAL COMBUSTION ENGINES  
LAUNCH VEHICLES  
LIFTOFF (LAUNCHING)  
LIQUID PROPELLANT ROCKET ENGINES  
MACE MISSILES  
NUCLEAR ENGINE FOR ROCKET  
VEHICLES  
NUCLEAR ROCKET ENGINES  
RECOVERABLE SPACECRAFT  
SOLID PROPELLANT ROCKET ENGINES  
SPINNING SOLID UPPER STAGE  
STAGE SEPARATION  
SUSTAINER ROCKET ENGINES  
TURBOROCKET ENGINES  
TX-354 ENGINE

**∞ BOOSTER ROCKETS**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT LAUNCH VEHICLES

**∞ BOOSTERS**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT AIR BREATHING BOOSTERS  
AMPLIFIERS  
APOGEE BOOST MOTORS  
BOOSTER ROCKET ENGINES  
BOOSTERS (EXPLOSIVES)  
LAUNCH VEHICLES  
SCOUT PROJECT  
SPACE SHUTTLE BOOSTERS  
TITAN PROJECT

**BOOSTERS (EXPLOSIVES)**

GS EXPLOSIVE DEVICES  
. INITIATORS (EXPLOSIVES)  
. . **BOOSTERS (EXPLOSIVES)**  
IGNITERS  
. INITIATORS (EXPLOSIVES)  
. . **BOOSTERS (EXPLOSIVES)**  
RT ∞ BOOSTERS  
EXPLODING WIRES

**BOOSTGLIDE VEHICLES**

GS GLIDERS  
. **BOOSTGLIDE VEHICLES**  
. . X-20 AIRCRAFT  
REENTRY VEHICLES  
. **BOOSTGLIDE VEHICLES**

**BOOSTGLIDE VEHICLES-(CONT.)**

. . X-20 AIRCRAFT  
RT AEROSPACE PLANES  
∞ AIRCRAFT  
ASTRO VEHICLE  
GLIDING  
HYPERSONIC AIRCRAFT  
HYPERSONIC GLIDERS  
LIFTING REENTRY VEHICLES  
MANNED SPACECRAFT  
RECOVERABLE SPACECRAFT  
ROCKET PLANES  
∞ VEHICLES

**BOOTS (FOOTWEAR)**

GS CLOTHING  
RT **BOOTS (FOOTWEAR)**  
SHOES

**BORAL**

GS COMPOSITE MATERIALS  
. LAMINATES  
. **BORAL**  
COMPOSITE STRUCTURES  
. LAMINATES  
. **BORAL**  
RT ALUMINUM  
BORON CARBIDES  
RADIATION SHIELDING

**BORANES**

GS BORON COMPOUNDS  
. BORON HYDRIDES  
. **BORANES**  
. . . CARBORANE  
. . . HYDRAZINE BORANE  
. . . PENTABORANES  
HYDROGEN COMPOUNDS  
. HYDRIDES  
. BORON HYDRIDES  
. **BORANES**  
. . . CARBORANE  
. . . HYDRAZINE BORANE  
. . . PENTABORANES  
RT BOROHYDRIDES

**BORATES**

GS BORON COMPOUNDS  
. **BORATES**  
. . LITHIUM BORATES  
RT BORIC ACIDS  
∞ OXYGEN COMPOUNDS

**BORAZON (TRADEMARK)**

USE BORON NITRIDES

**BORDERS**

RT BOUNDARIES  
MARGINS  
RIMS

**BORDONI PEAKS**

RT ELASTIC DEFORMATION  
PLASTIC DEFORMATION  
RESONANT FREQUENCIES  
STRESS RELAXATION

**BOREDOM**

RT DETACHMENT  
HUMAN BEHAVIOR  
HUMAN REACTIONS  
LETHARGY  
MONOTONY  
PSYCHOLOGICAL EFFECTS  
PSYCHOLOGY  
SPACE FLIGHT STRESS

**BOREHOLES**

RT CAVITIES  
CLAYS  
DRILLING  
EXCAVATION  
EXPLORATION  
GEOLOGY  
GRAVELS  
∞ HOLES  
MINERALS  
PITS (EXCAVATIONS)  
ROCKS  
SHALES  
SOILS

**BOREL SETS**

GS ANALYSIS (MATHEMATICS)

**BOREL SETS-(CONT.)**

. REAL VARIABLES  
. MEASURE AND INTEGRATION  
. . **BOREL SETS**  
MATHEMATICAL LOGIC  
. SET THEORY  
. **BOREL SETS**  
RT PROBABILITY THEORY

**BORES**

USE CAVITIES

**BORESCOPIES**

USE ENDOSCOPES

**BORESIGHT ERROR**

GS ERRORS  
. POSITION ERRORS  
. **BORESIGHT ERROR**  
RT AIR NAVIGATION  
BORESIGHTS  
DIRECTIONAL ANTENNAS  
DISPLACEMENT  
DISPLACEMENT MEASUREMENT  
ERROR ANALYSIS  
INSTRUMENT ERRORS  
LINE OF SIGHT COMMUNICATION  
NAVIGATION INSTRUMENTS  
OPTICAL TRACKING  
RANGE ERRORS

**BORESIGHTS**

RT BORESIGHT ERROR  
DIRECTIONAL ANTENNAS  
OPTICAL TRACKING

**BORIC ACIDS**

GS ACIDS  
. **BORIC ACIDS**  
BORON COMPOUNDS  
. **BORIC ACIDS**  
RT BORATES

**BORIDES**

GS BORON COMPOUNDS  
. **BORIDES**  
. . CHROMIUM BORIDES  
. . TITANIUM BORIDES  
RT INTERMETALLICS

**BORING MACHINES**

GS TOOLS  
. MACHINE TOOLS  
. **BORING MACHINES**  
RT DRILLS  
∞ MACHINERY

**BORN APPROXIMATION**

UF BORN-MAYER EQUATION  
GS ANALYSIS (MATHEMATICS)  
. NUMERICAL ANALYSIS  
. . APPROXIMATION  
. . **BORN APPROXIMATION**  
RT ∞ EQUATIONS  
QUANTUM MECHANICS  
SCATTERING CROSS SECTIONS

**BORN-INFELD THEORY**

RT ELECTRODYNAMICS  
ELECTROSTATICS  
MAXWELL EQUATION  
NONLINEAR EQUATIONS  
∞ THEORIES

**BORN-MAYER EQUATION**

USE BORN APPROXIMATION

**BORN-OPPENHEIMER APPROXIMATION**

GS ANALYSIS (MATHEMATICS)  
. NUMERICAL ANALYSIS  
. . APPROXIMATION  
. . **BORN-OPPENHEIMER  
APPROXIMATION**  
RT FRANCK-CONDON PRINCIPLE

**BOROHYDRIDES**

GS BORON COMPOUNDS  
. **BOROHYDRIDES**  
. . ALUMINUM BOROHYDRIDES  
. . BERYLLIUM BOROHYDRIDES  
HYDROGEN COMPOUNDS  
. HYDRIDES  
. **BOROHYDRIDES**  
. . ALUMINUM BOROHYDRIDES



## BORON

### BOROHYDRIDES-(CONT.)

RT . . . BERYLLIUM BOROHYDRIDES  
BORANES  
BORON HYDRIDES

### BORON

GS CHEMICAL ELEMENTS  
METALLOIDS  
BORON  
BORON ISOTOPES  
BORON 10  
RT BORON REINFORCED MATERIALS  
BORSIC (TRADENAME)

### BORON ALLOYS

GS ALLOYS  
BORON ALLOYS  
RT METALLOIDS

### BORON CARBIDES

GS BORON COMPOUNDS  
BORON CARBIDES  
CARBON COMPOUNDS  
CARBIDES  
BORON CARBIDES  
RT BORAL  
CERAMIC FIBERS

### BORON CHLORIDES

GS BORON COMPOUNDS  
BORON CHLORIDES  
HALOGEN COMPOUNDS  
CHLORINE COMPOUNDS  
CHLORIDES  
BORON CHLORIDES  
HALIDES  
CHLORIDES  
BORON CHLORIDES

### BORON COMPOUNDS

GS BORON COMPOUNDS  
BORATES  
LITHIUM BORATES  
BORIC ACIDS  
BORIDES  
CHROMIUM BORIDES  
TITANIUM BORIDES  
BOROHYDRIDES  
ALUMINUM BOROHYDRIDES  
BERYLLIUM BOROHYDRIDES  
BORON CARBIDES  
BORON CHLORIDES  
BORON FLUORIDES  
BORON HYDRIDES  
ALUMINUM BOROHYDRIDES  
BERYLLIUM BOROHYDRIDES  
BORANES  
CARBORANE  
HYDRAZINE BORANE  
PENTABORANES  
BORON NITRIDES  
BORON OXIDES  
BORON PHOSPHIDES  
DIBORANE  
ORGANIC BORON COMPOUNDS  
TOURMALINE  
RT . . . CHEMICAL COMPOUNDS  
GROUP 3A COMPOUNDS  
HIGH ENERGY FUELS  
METAL FUELS  
METAL PROPELLANTS

### BORON FIBERS

GS FIBERS  
REINFORCING FIBERS  
BORON FIBERS  
RT ALUMINUM BORON COMPOSITES  
BORSIC (TRADENAME)  
CARBON FIBERS  
COMPOSITE MATERIALS  
FIBER COMPOSITES  
FIBER ORIENTATION  
FIBER STRENGTH  
FILAMENTS  
GLASS FIBERS  
METAL MATRIX COMPOSITES  
POLYMER MATRIX COMPOSITES  
REINFORCED PLASTICS

### BORON FLUORIDES

UF BORON TRIFLUORIDE  
GS BORON COMPOUNDS  
BORON FLUORIDES  
HALOGEN COMPOUNDS  
FLUORINE COMPOUNDS

### BORON FLUORIDES-(CONT.)

FLUORIDES  
BORON FLUORIDES  
HALIDES  
FLUORIDES  
BORON FLUORIDES

### BORON HYDRIDES

GS BORON COMPOUNDS  
BORON HYDRIDES  
ALUMINUM BOROHYDRIDES  
BERYLLIUM BOROHYDRIDES  
BORANES  
CARBORANE  
HYDRAZINE BORANE  
PENTABORANES  
HYDROGEN COMPOUNDS  
HYDRIDES  
BORON HYDRIDES  
ALUMINUM BOROHYDRIDES  
BERYLLIUM BOROHYDRIDES  
BORANES  
CARBORANE  
HYDRAZINE BORANE  
PENTABORANES  
RT BOROHYDRIDES

### BORON ISOTOPES

GS CHEMICAL ELEMENTS  
METALLOIDS  
BORON  
BORON ISOTOPES  
BORON 10  
NUCLIDES  
ISOTOPES  
BORON ISOTOPES  
BORON 10

### BORON NITRIDES

UF BORAZON (TRADEMARK)  
GS BORON COMPOUNDS  
BORON NITRIDES  
NITROGEN COMPOUNDS  
NITRIDES  
BORON NITRIDES

### BORON OXIDES

GS BORON COMPOUNDS  
BORON OXIDES  
CHALCOGENIDES  
OXIDES  
BORON OXIDES

### BORON PHOSPHIDES

GS BORON COMPOUNDS  
BORON PHOSPHIDES  
PHOSPHORUS COMPOUNDS  
PHOSPHIDES  
BORON PHOSPHIDES

### BORON REINFORCED MATERIALS

GS COMPOSITE MATERIALS  
BORON REINFORCED MATERIALS  
ALUMINUM BORON COMPOSITES  
BORON-EPOXY COMPOSITES  
RT BORON  
CERAMIC MATRIX COMPOSITES  
EPOXY RESINS  
FIBER COMPOSITES  
FIBERS  
MATERIALS  
PLASTICS  
REINFORCED PLASTICS  
REINFORCING FIBERS

### BORON TRIFLUORIDE

USE BORON FLUORIDES

### BORON 10

GS CHEMICAL ELEMENTS  
METALLOIDS  
BORON  
BORON ISOTOPES  
BORON 10  
NUCLIDES  
ISOTOPES  
BORON ISOTOPES  
BORON 10

### BORON-EPOXY COMPOSITES

GS COMPOSITE MATERIALS  
BORON REINFORCED MATERIALS  
BORON-EPOXY COMPOSITES  
POLYMER MATRIX COMPOSITES

### BORON-EPOXY COMPOSITES-(CONT.)

EPOXY MATRIX COMPOSITES  
BORON-EPOXY COMPOSITES  
RESIN MATRIX COMPOSITES  
BORON-EPOXY COMPOSITES  
RT AIRCRAFT STRUCTURES  
CHEMICAL COMPOUNDS  
COMPOSITE STRUCTURES  
EPOXY RESINS  
FIBER COMPOSITES  
LAMINATES  
PLASTIC AIRCRAFT STRUCTURES  
SPACECRAFT COMPONENTS  
SUPERHYBRID MATERIALS

### BOROSILICATE GLASS

UF PYREX (TRADEMARK)  
GS GLASS  
BOROSILICATE GLASS  
RT GLASSWARE  
SILICON DIOXIDE

### BORSIC (TRADENAME)

GS COMPOSITE MATERIALS  
METAL MATRIX COMPOSITES  
BORSIC (TRADENAME)  
RT ALUMINUM  
BORON  
BORON FIBERS  
FIBER COMPOSITES  
MATERIALS  
METAL FIBERS  
METALS

### BOSE GEOMETRY

GS GEOMETRY  
BOSE GEOMETRY  
RT EQUATIONS OF STATE

### BOSE-CHAUDHURI-HOCQUENGHEM CODES

USE BCH CODES

### BOSE-EINSTEIN STATISTICS

USE QUANTUM STATISTICS

### BOSON FIELDS

RT FIELD THEORY (PHYSICS)  
FIELDS  
MESONS

### BOSONS

GS PARTICLES  
ELEMENTARY PARTICLES  
BOSONS  
ALPHA PARTICLES  
MESONS  
ETA-MESONS  
KAONS  
MESON RESONANCE  
X MESONS  
MUONS  
PIONS  
VECTOR MESONS  
RHO-MESONS  
SIGMA-MESONS  
PHOTONS  
LIGHT BEAMS  
XI HYPERONS  
NUCLEAR PARTICLES  
BOSONS  
ALPHA PARTICLES  
MESONS  
ETA-MESONS  
KAONS  
MESON RESONANCE  
X MESONS  
MUONS  
PIONS  
VECTOR MESONS  
RHO-MESONS  
SIGMA-MESONS  
PHOTONS  
XI HYPERONS  
RT CHARGED PARTICLES  
FERMI-DIRAC STATISTICS  
QUANTUM STATISTICS  
STRING THEORY  
SUPERSYMMETRY

### BOTANY

GS BOTANY  
GEOBOTANY  
RT AGRICULTURE  
ALFALFA  
BARLEY

## BOUNDARY LUBRICATION

### BOTANY-(CONT.)

- BIOGEOCHEMISTRY
- ∞ BIOLOGY
- BLIGHT
- BROWN WAVE EFFECT
- BRUSH (BOTANY)
- CHAPARRAL
- CITRUS TREES
- CORN
- FARM CROPS
- FRUITS
- GREEN WAVE EFFECT
- HABITATS
- HAY
- LEGUMINOUS PLANTS
- NIGELLA
- OATS
- PLANTS (BOTANY)
- ∞ SCIENCE
- SILVICULTURE
- SUGAR BEETS
- SUGAR CANE
- VEGETATION GROWTH
- VINEYARDS
- ∞ ZOOLOGY

### BOTSWANA

- GS NATIONS
- . BOTSWANA
- RT AFRICA
- REPUBLIC OF SOUTH AFRICA

### BOTTLES

- RT ∞ CONTAINERS
- FLASKS
- GLASSWARE
- TANKS (CONTAINERS)

### BOUGUER LAW

- UF LAMBERT LAW
- RT ABSORPTIVITY
- BEER LAW
- ELECTROMAGNETIC ABSORPTION
- THERMOPLASTICITY

### BOULES

- GS CRYSTALS
- . BOULES
- RT SINGLE CRYSTALS

### BOUNDARIES

- UF PERIPHERIES
- GS BOUNDARIES
- . FLUID BOUNDARIES
- . . GAS-SOLID INTERFACES
- . . JET BOUNDARIES
- . . LIQUID-LIQUID INTERFACES
- . . LIQUID-SOLID INTERFACES
- . . LIQUID-VAPOR INTERFACES
- . FREE BOUNDARIES
- . GRAIN BOUNDARIES
- RT AIRSPACE
- BORDERS
- CIRCUMFERENCES
- CONTOUR SENSORS
- DELINEATION
- FENCES (BARRIERS)
- INTERFACES
- REGIONS

### BOUNDARY ELEMENT METHOD

- GS STRESS ANALYSIS
- . BOUNDARY ELEMENT METHOD
- RT APERTURES

### BOUNDARY INTEGRAL METHOD

- GS ANALYSIS (MATHEMATICS)
- . NUMERICAL ANALYSIS
- . . BOUNDARY INTEGRAL METHOD
- PROCEDURES
- . BOUNDARY INTEGRAL METHOD
- RT BOUNDARY VALUE PROBLEMS
- ∞ METHODOLOGY

### BOUNDARY LAYER COMBUSTION

- GS COMBUSTION
- . BOUNDARY LAYER COMBUSTION
- RT BOUNDARY LAYERS
- COMBUSTIBLE FLOW
- CONVECTIVE HEAT TRANSFER
- DIFFUSION FLAMES
- FLAME PROPAGATION
- LAMINAR BOUNDARY LAYER

### BOUNDARY LAYER CONTROL

- UF LAMINAR FLOW CONTROL
- GS BOUNDARY LAYER CONTROL
- . POROUS BOUNDARY LAYER CONTROL
- RT AERODYNAMICS
- AIRFOIL FENCES
- ∞ BLEEDING
- BLOWING
- BOUNDARY LAYERS
- BUFFETING
- CIRCULATION CONTROL AIRFOILS
- ∞ CONTROL
- CONTROL SURFACES
- DRAG DEVICES
- FLUID AMPLIFIERS
- FLUTTER
- JET CONTROL
- LEADING EDGE SLATS
- LIFT AUGMENTATION
- LIFT DEVICES
- SPOILERS
- TURBULENCE
- UPPER SURFACE BLOWN FLAPS
- VACUUM
- VORTEX GENERATORS
- WING SLOTS
- X-21 AIRCRAFT

### BOUNDARY LAYER EQUATIONS

- GS FLOW EQUATIONS
- . BOUNDARY LAYER EQUATIONS
- . . BLASIUS EQUATION
- RT BOUNDARY LAYERS
- DIFFERENTIAL EQUATIONS
- ∞ EQUATIONS
- FLOW THEORY

### BOUNDARY LAYER FLOW

- GS FLUID FLOW
- . VISCOUS FLOW
- . . BOUNDARY LAYER FLOW
- . . . REATTACHED FLOW
- . . . SECONDARY FLOW
- . . . SEPARATED FLOW
- . . . . BOUNDARY LAYER SEPARATION
- RT ATMOSPHERIC BOUNDARY LAYER
- BACKWARD FACING STEPS
- BLASIUS EQUATION
- CONVECTIVE HEAT TRANSFER
- FLOW DISTRIBUTION
- LIGHTHILL GAS MODEL
- MAGNUS EFFECT
- RECIRCULATIVE FLUID FLOW
- REYNOLDS NUMBER
- STAGNATION FLOW
- STAGNATION POINT
- TOLLMEIN-SCHLICHTING WAVES
- WALL FLOW

### BOUNDARY LAYER NOISE

- USE AERODYNAMIC NOISE
- BOUNDARY LAYERS

### BOUNDARY LAYER PLASMAS

- GS PARTICLES
- . CHARGED PARTICLES
- . . ENERGETIC PARTICLES
- . . . PLASMAS (PHYSICS)
- . . . . BOUNDARY LAYER PLASMAS
- RT AERODYNAMIC HEATING
- AEROTHERMODYNAMICS
- BOUNDARY LAYERS
- HYPERSONIC REENTRY
- PLASMA PHYSICS
- PLASMA SHEATHS

### BOUNDARY LAYER SEPARATION

- UF BREAKAWAY
- FLOW SEPARATION
- GS FLUID FLOW
- . VISCOUS FLOW
- . . BOUNDARY LAYER FLOW
- . . . SEPARATED FLOW
- . . . . BOUNDARY LAYER SEPARATION
- RT AERODYNAMIC STALLING
- AIR SPEED
- ANGLE OF ATTACK
- BOUNDARY LAYERS
- CROCCO-LEE THEORY
- ∞ DIFFUSERS
- FALKNER-SKAN EQUATION
- FLOW DISTRIBUTION
- INJECTION
- KUTTA-JOUKOWSKI CONDITION
- LIFT DRAG RATIO

### BOUNDARY LAYER SEPARATION-(CONT.)

- REATTACHED FLOW
- RECIRCULATIVE FLUID FLOW
- REVERSED FLOW
- ROTATING STALLS
- ∞ SEPARATION
- STAGNATION FLOW
- ∞ STALLING
- SWEEP ANGLE
- VORTEX GENERATORS
- ZERO LIFT

### BOUNDARY LAYER STABILITY

- GS DYNAMIC CHARACTERISTICS
- . DYNAMIC STABILITY
- . . MOTION STABILITY
- . . . FLOW STABILITY
- . . . . BOUNDARY LAYER STABILITY
- . . . . FLOW CHARACTERISTICS
- . . . . FLOW STABILITY
- . . . . BOUNDARY LAYER STABILITY
- STABILITY
- . DYNAMIC STABILITY
- . . MOTION STABILITY
- . . . FLOW STABILITY
- . . . . BOUNDARY LAYER STABILITY
- RT AERODYNAMIC STABILITY
- BACKWASH
- BOUNDARY LAYERS
- GOERTLER INSTABILITY
- REYNOLDS NUMBER

### BOUNDARY LAYER TRANSITION

- RT AIR CURRENTS
- BOUNDARY LAYERS
- EKMAN LAYER
- GOERTLER INSTABILITY
- KNUDSEN FLOW
- LAMINAR BOUNDARY LAYER
- LAMINAR FLOW
- MOLECULAR FLOW
- REYNOLDS NUMBER
- THREE DIMENSIONAL BOUNDARY LAYER
- TOLLMEIN-SCHLICHTING WAVES
- ∞ TRANSITION
- TRANSITION FLOW
- ∞ TRANSITION LAYERS
- TRANSITION POINTS
- TURBULENCE
- TURBULENT BOUNDARY LAYER
- TURBULENT FLOW

### BOUNDARY LAYERS

- UF BOUNDARY LAYER NOISE
- GS BOUNDARY LAYERS
- . ATMOSPHERIC BOUNDARY LAYER
- . COMPRESSIBLE BOUNDARY LAYER
- . HYPERSONIC BOUNDARY LAYER
- . INCOMPRESSIBLE BOUNDARY LAYER
- . LAMINAR BOUNDARY LAYER
- . PLANETARY BOUNDARY LAYER
- . SUPERSONIC BOUNDARY LAYERS
- . THERMAL BOUNDARY LAYER
- . THREE DIMENSIONAL BOUNDARY LAYER
- . . . . TURBULENT BOUNDARY LAYER
- . . . . TWO DIMENSIONAL BOUNDARY LAYER
- RT BOUNDARY LAYER COMBUSTION
- BOUNDARY LAYER CONTROL
- BOUNDARY LAYER EQUATIONS
- BOUNDARY LAYER PLASMAS
- BOUNDARY LAYER SEPARATION
- BOUNDARY LAYER STABILITY
- BOUNDARY LAYER TRANSITION
- CROCCO METHOD
- ∞ DRAFT
- DRAG
- FLUID BOUNDARIES
- FLUID FLOW
- GAS-SOLID INTERFACES
- ∞ LAYERS
- LIQUID-LIQUID INTERFACES
- LIQUID-SOLID INTERFACES
- PANEL METHOD (FLUID DYNAMICS)
- SHEAR LAYERS
- SURFACE LAYERS
- WALL PRESSURE

### BOUNDARY LUBRICATION

- GS LUBRICATION
- . BOUNDARY LUBRICATION
- RT BEARINGS
- LUBRICANTS
- SQUEEZE FILMS
- WEAR RESISTANCE

## BOUNDARY VALUE PROBLEMS

### BOUNDARY VALUE PROBLEMS

UF INITIAL VALUE PROBLEMS  
POINT MATCHING METHOD  
(MATHEMATICS)

GS **BOUNDARY VALUE PROBLEMS**  
. CAUCHY PROBLEM  
. DIRICHLET PROBLEM  
. NEUMANN PROBLEM

RT BESSEL FUNCTIONS  
BOUNDARY INTEGRAL METHOD  
COUNTER ROTATION  
CRANK-NICHOLSON METHOD  
DIFFERENTIAL EQUATIONS  
FINITE ELEMENT METHOD  
FINITE VOLUME METHOD  
HALF PLANES  
HALF SPACES  
HANKEL FUNCTIONS  
LAME FUNCTIONS  
MATHIEU FUNCTION  
MINIMAL SURFACES  
MONGE-AMPERE EQUATION  
OBSERVABILITY (SYSTEMS)

∞ PROBLEMS  
SOBOLEV SPACE  
THREE DIMENSIONAL BODIES

### BOURDON TUBES

GS TRANSDUCERS  
. PRESSURE SENSORS  
. **BOURDON TUBES**

RT PRESSURE GAGES  
PRESSURE MEASUREMENT

∞ TUBES

### BOUSSINESQ APPROXIMATION

RT CONVECTION  
HEAT TRANSFER  
INCOMPRESSIBLE FLUIDS  
PERTURBATION THEORY  
THERMAL EXPANSION

### BOW SHOCK WAVES

USE BOW WAVES  
SHOCK WAVES

### BOW WAVES

UF BOW SHOCK WAVES  
HYPERSONIC WAVES

RT MACH CONES  
MAGNETOSHEATH  
SHOCK WAVES  
SURFACE WAVES

### ∞ BOWS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*

RT BENDING  
CAMBER  
FOREBODIES  
HEAVING

### BOX BEAMS

GS STRUCTURAL MEMBERS  
. BEAMS (SUPPORTS)  
. **BOX BEAMS**

RT ∞ BOXES  
CANTILEVER BEAMS  
GIRDERS  
RECTANGULAR BEAMS

### ∞ BOXES

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*

RT BOX BEAMS  
BOXES (CONTAINERS)

### BOXES (CONTAINERS)

RT ∞ BOXES  
∞ BUCKETS  
CASES (CONTAINERS)  
∞ CONTAINERS  
PACKAGES

### BRACKETS

RT ANCHORS (FASTENERS)  
FASTENERS  
FIXTURES  
HOLDERS  
MOUNTING

### BRADYCARDIA

GS RATES (PER TIME)  
. HEART RATE  
. **BRADYCARDIA**  
SIGNS AND SYMPTOMS  
. **BRADYCARDIA**

RT HEART DISEASES

### BRAGG ANGLE

GS GEOMETRY  
. EUCLIDEAN GEOMETRY  
. ANGLES (GEOMETRY)  
. **BRAGG ANGLE**

RT CRYSTALLOGRAPHY  
DIFFRACTION  
DIFFRACTION PATHS  
ELECTRON DIFFRACTION  
ISOTROPY

∞ ORIENTATION  
∞ PHYSICAL PROPERTIES  
RADIOGRAPHY

### BRAGG CURVE

RT BIOLOGICAL EFFECTS  
NUCLEAR REACTIONS  
PARTICLE INTERACTIONS  
RADIATION EFFECTS

### BRaille

RT BLINDNESS  
EMBOSSING

### BRAIN

GS ANATOMY  
. NERVOUS SYSTEM  
. CENTRAL NERVOUS SYSTEM  
. **BRAIN**  
. **BRAIN STEM**  
. CEREBELLUM  
. CEREBRAL VENTRICLES  
. CEREBRUM  
. CEREBRAL CORTEX  
. OCCIPITAL LOBES  
. DIENCEPHALON  
. HYPOTHALAMUS  
. PINEAL GLAND  
. THALAMUS  
. HIPPOCAMPUS

RT ANGIOGRAPHY  
BRAIN CIRCULATION  
BRAIN DAMAGE  
CEREBROSPINAL FLUID  
ECHOENCEPHALOGRAPHY  
ELECTROENCEPHALOGRAPHY  
ENCEPHALITIS  
HEAD (ANATOMY)  
INFORMATION PROCESSING (BIOLOGY)  
INTRACRANIAL PRESSURE  
NEUROGLIA  
NEUROLOGY  
PITUITARY GLAND  
PSYCHIATRY  
PSYCHOLOGY  
RHEOENCEPHALOGRAPHY  
SPINAL CORD

### BRAIN CIRCULATION

GS CIRCULATION  
. BLOOD CIRCULATION  
. **BRAIN CIRCULATION**

RT BRAIN  
RHEOENCEPHALOGRAPHY

### BRAIN DAMAGE

GS INJURIES  
. **BRAIN DAMAGE**

RT BRAIN

### BRAIN STEM

GS ANATOMY  
. NERVOUS SYSTEM  
. CENTRAL NERVOUS SYSTEM  
. **BRAIN**  
. **BRAIN STEM**

### ∞ BRAKES

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*

RT BRAKES (FOR ARRESTING MOTION)  
BRAKES (FORMING OR BENDING)

### BRAKES (FOR ARRESTING MOTION)

UF DECELERATORS  
DRAGULATORS

GS **BRAKES (FOR ARRESTING MOTION)**  
. AERODYNAMIC BRAKES  
. BALLUTES  
. DRAG CHUTES  
. PARAVULCOONS  
. SPLIT FLAPS  
. WING FLAPS  
. LEADING EDGE FLAPS  
. LEADING EDGE SLATS  
. TRAILING EDGE FLAPS  
. VORTEX FLAPS  
. AIRCRAFT BRAKES  
. SPLIT FLAPS  
. WING FLAPS  
. LEADING EDGE SLATS  
. TRAILING EDGE FLAPS  
. WHEEL BRAKES

RT ABORT APPARATUS  
ANTISKID DEVICES

∞ ARRESTERS  
ARRESTING GEAR

∞ BRAKES  
BRAKING  
CYLINDRICAL CHAMBERS  
DRAG DEVICES  
FLAPS (CONTROL SURFACES)  
LANDING GEAR  
NOSE WHEELS  
PARACHUTES  
RETARDERS (DEVICES)  
THRUST REVERSAL  
TOWED BODIES  
VEHICLE WHEELS  
WHEELS

### BRAKES (FORMING OR BENDING)

RT ∞ BRAKES  
METAL WORKING

### BRAKING

RT BRAKES (FOR ARRESTING MOTION)  
DECELERATION  
EDDY CURRENTS  
RETARDERS (DEVICES)  
RETARDING  
THRUST REVERSAL

### BRANCHING (MATHEMATICS)

UF BIFURCATION (MATHEMATICS)

GS **BRANCHING (MATHEMATICS)**  
. PERIOD DOUBLING

RT CHAOS  
FUNCTIONS (MATHEMATICS)

∞ LOGIC  
MATHEMATICAL LOGIC  
SET THEORY  
SWITCHING THEORY

### BRANCHING (PHYSICS)

RT BIFURCATION (BIOLOGY)

∞ PHYSICS

### BRASSES

GS ALLOYS  
. COPPER ALLOYS  
. **BRASSES**

### BRAVAIS CRYSTALS

GS CRYSTALS  
. **BRAVAIS CRYSTALS**

RT CRYSTAL GROWTH  
CRYSTAL LATTICES  
CRYSTAL STRUCTURE  
PACKING DENSITY  
SINGLE CRYSTALS

### BRAYTON CYCLE

GS CYCLES  
. THERMODYNAMIC CYCLES  
. **BRAYTON CYCLE**

RT GAS TURBINE ENGINES  
GAS TURBINES  
RANKINE CYCLE  
SOLAR DYNAMIC POWER SYSTEMS

### BRAZIL

GS NATIONS  
. **BRAZIL**

RT AMAZON REGION (SOUTH AMERICA)  
BRAZILIAN SPACE PROGRAM  
SOUTH AMERICA

- BRAZILIAN SPACE PROGRAM**  
 GS PROGRAMS  
 . SPACE PROGRAMS  
 . . **BRAZILIAN SPACE PROGRAM**  
 RT BRAZIL
- BRAZING**  
 GS WELDING  
 . LASER WELDING  
 . . FUSION WELDING  
 . . . GAS WELDING  
 . . . . **BRAZING**  
 . . . . . LOW TEMPERATURE BRAZING  
 RT FLUXES  
 ∞ JOINING  
 METAL BONDING  
 SEALING  
 SOLDERING
- BRAZZAVILLE**  
 USE CONGO (BRAZZAVILLE)
- BREADBOARD MODELS**  
 GS MODELS  
 . **BREADBOARD MODELS**  
 RT CIRCUITS  
 PRINTED CIRCUITS  
 PRODUCT DEVELOPMENT  
 PROTOTYPES
- BREAKAWAY**  
 USE BOUNDARY LAYER SEPARATION
- ∞ **BREAKDOWN**  
 SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT TERMS LISTED BELOW)*  
 CLASSIFICATIONS  
 RT ELECTRICAL FAULTS  
 FAILURE  
 GAPS  
 METAL WORKING  
 SYSTEM FAILURES
- BREAKERS (ELECTRIC)**  
 USE CIRCUIT BREAKERS
- BREAKING**  
 RT DESTRUCTION  
 FRAGMENTATION  
 ∞ SEPARATION
- BREAKWATERS**  
 UF JETTIES  
 SEA WALLS  
 RT CONCRETE STRUCTURES  
 HARBORS  
 LITTORAL DRIFT  
 LITTORAL TRANSPORT  
 OCEANOGRAPHY  
 STRUCTURAL DESIGN  
 ∞ STRUCTURES  
 UNDERWATER ENGINEERING  
 UNDERWATER STRUCTURES  
 WATER WAVES  
 ∞ WAVES
- ∞ **BREATHING**  
 SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT ARGON-OXYGEN ATMOSPHERES  
 BREATHING APPARATUS  
 BREATHING VIBRATION  
 EMERGENCY BREATHING TECHNIQUES  
 EXPIRATION  
 HELIUM-OXYGEN ATMOSPHERES  
 HIGH ALTITUDE BREATHING  
 HYPERCAPNIA  
 HYPERPNEA  
 OXYGEN BREATHING  
 RESPIRATION  
 RESPIRATORY REFLEXES
- BREATHING APPARATUS**  
 GS **BREATHING APPARATUS**  
 . OXYGEN MASKS  
 . UNDERWATER BREATHING APPARATUS  
 RT ∞ BREATHING  
 ∞ EQUIPMENT  
 FIRE FIGHTING  
 LIFE SUPPORT SYSTEMS  
 OXYGEN SUPPLY EQUIPMENT
- BREATHING APPARATUS-(CONT.)**  
 PORTABLE LIFE SUPPORT SYSTEMS  
 RESPIRATORS
- BREATHING VIBRATION**  
 GS VIBRATION  
 . STRUCTURAL VIBRATION  
 . . **BREATHING VIBRATION**  
 RT BENDING VIBRATION  
 ∞ BREATHING  
 EXHAUSTING  
 MISSILE VIBRATION  
 VENTING
- BRECCIA**  
 GS ROCKS  
 . **BRECCIA**  
 RT ATAXITE  
 IGNEOUS ROCKS  
 REGOLITH  
 SEDIMENTARY ROCKS  
 SOILS
- BREEDER REACTORS**  
 GS NUCLEAR REACTORS  
 . **BREEDER REACTORS**  
 . . EXPERIMENTAL BREEDER REACTOR  
 1  
 . . EXPERIMENTAL BREEDER REACTOR  
 2  
 . . LIGHT WATER BREEDER REACTORS  
 . . LIQUID METAL FAST BREEDER REACTORS  
 RT ENRICO FERMI ATOMIC POWER PLANT  
 NUCLEAR POWER REACTORS
- BREEDING (REPRODUCTION)**  
 RT FERTILITY  
 GENETICS  
 HEREDITY  
 ∞ REPRODUCTION  
 REPRODUCTION (BIOLOGY)
- BREGUET AIRCRAFT**  
 GS **BREGUET AIRCRAFT**  
 . BREGUET 940 AIRCRAFT  
 . BREGUET 941 AIRCRAFT  
 . BREGUET 1150 AIRCRAFT  
 RT ∞ AIRCRAFT  
 JAGUAR AIRCRAFT
- BREGUET 940 AIRCRAFT**  
 GS BREGUET AIRCRAFT  
 . **BREGUET 940 AIRCRAFT**  
 MONOPLANES  
 . **BREGUET 940 AIRCRAFT**  
 RESEARCH AIRCRAFT  
 . **BREGUET 940 AIRCRAFT**  
 V/STOL AIRCRAFT  
 . SHORT TAKEOFF AIRCRAFT  
 . . **BREGUET 940 AIRCRAFT**  
 RT ∞ AIRCRAFT
- BREGUET 941 AIRCRAFT**  
 GS BREGUET AIRCRAFT  
 . **BREGUET 941 AIRCRAFT**  
 JET AIRCRAFT  
 . TURBOPROP AIRCRAFT  
 . . **BREGUET 941 AIRCRAFT**  
 MONOPLANES  
 . **BREGUET 941 AIRCRAFT**  
 PASSENGER AIRCRAFT  
 . **BREGUET 941 AIRCRAFT**  
 TRANSPORT AIRCRAFT  
 . CARGO AIRCRAFT  
 . . **BREGUET 941 AIRCRAFT**  
 V/STOL AIRCRAFT  
 . SHORT TAKEOFF AIRCRAFT  
 . . **BREGUET 941 AIRCRAFT**  
 RT ∞ AIRCRAFT
- BREGUET 1150 AIRCRAFT**  
 UF ATLANTIC AIRCRAFT  
 GS ANTISUBMARINE WARFARE AIRCRAFT  
 . **BREGUET 1150 AIRCRAFT**  
 ATTACK AIRCRAFT  
 . **BREGUET 1150 AIRCRAFT**  
 BREGUET AIRCRAFT  
 . **BREGUET 1150 AIRCRAFT**  
 JET AIRCRAFT  
 . TURBOPROP AIRCRAFT  
 . . **BREGUET 1150 AIRCRAFT**  
 MONOPLANES  
 . **BREGUET 1150 AIRCRAFT**  
 OBSERVATION AIRCRAFT
- BREGUET 1150 AIRCRAFT-(CONT.)**  
 . **BREGUET 1150 AIRCRAFT**  
 RECONNAISSANCE AIRCRAFT  
 . **BREGUET 1150 AIRCRAFT**  
 RT ∞ AIRCRAFT
- BREMSSTRAHLUNG**  
 GS ELECTROMAGNETIC RADIATION  
 . **BREMSSTRAHLUNG**  
 RT CERENKOV RADIATION  
 DIFFRACTION RADIATION  
 ELECTRON PHOTON CASCADES  
 ELECTRON RADIATION  
 FAR ULTRAVIOLET RADIATION  
 GAMMA RAY BURSTS  
 GAMMA RAYS  
 NUCLEAR RADIATION  
 RELATIVISTIC PLASMAS  
 SYNCHROTRON RADIATION  
 X RAYS
- BREWSTER ANGLE**  
 GS GEOMETRY  
 . EUCLIDEAN GEOMETRY  
 . . ANGLES (GEOMETRY)  
 . . . **BREWSTER ANGLE**  
 RT POLARIZATION CHARACTERISTICS  
 REFLECTION  
 REFRACTIVITY
- BRICKS**  
 GS MASONRY  
 . **BRICKS**  
 RT CEMENTS  
 CERAMICS  
 CLAYS  
 ∞ CONSTRUCTION MATERIALS  
 MORTARS (MATERIAL)
- ∞ **BRIDGES**  
 SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT BRIDGES (LANDFORMS)  
 BRIDGES (STRUCTURES)  
 ELECTRIC BRIDGES
- BRIDGES (LANDFORMS)**  
 GS LANDFORMS  
 . **BRIDGES (LANDFORMS)**  
 RT ∞ BRIDGES  
 GEOLOGY  
 ∞ RIDGES
- BRIDGES (STRUCTURES)**  
 RT ∞ BRIDGES  
 CONSTRUCTION  
 CONSTRUCTION INDUSTRY  
 CROSSINGS  
 CROSSEOVERS  
 HIGHWAYS  
 RAMPS (STRUCTURES)  
 ∞ STRUCTURES  
 TOWERS
- BRIDGMAN METHOD**  
 RT CRYSTAL GROWTH  
 ∞ METHODOLOGY  
 SINGLE CRYSTALS
- BRIGHTNESS**  
 GS ELECTROMAGNETIC PROPERTIES  
 . OPTICAL PROPERTIES  
 . . **BRIGHTNESS**  
 RT BISTATIC REFLECTIVITY  
 BRIGHTNESS DISTRIBUTION  
 COLOR  
 DIMMING  
 EMISSIVITY  
 FLUX (RATE)  
 GLARE  
 HUMAN FACTORS ENGINEERING  
 ILLUMINANCE  
 ILLUMINATING  
 INCANDESCENCE  
 ∞ INTENSITY  
 LIGHT (VISIBLE RADIATION)  
 LIMB BRIGHTENING  
 LUMINANCE  
 LUMINESCENCE  
 LUMINOSITY  
 LUMINOUS INTENSITY  
 LUSTER  
 RADIANCE  
 RADIANT FLUX DENSITY

## BRIGHTNESS DISCRIMINATION

### BRIGHTNESS-(CONT.)

REFLECTANCE  
SKY BRIGHTNESS  
STELLAR LUMINOSITY  
VISIBILITY  
VISION

### BRIGHTNESS DISCRIMINATION

GS DISCRIMINATION  
SENSORY DISCRIMINATION  
BRIGHTNESS DISCRIMINATION  
RT  $\infty$  ILLUMINATION  
VISUAL PERCEPTION

### BRIGHTNESS DISTRIBUTION

GS DISTRIBUTION (PROPERTY)  
BRIGHTNESS DISTRIBUTION  
ELECTROMAGNETIC PROPERTIES  
OPTICAL PROPERTIES  
BRIGHTNESS DISTRIBUTION  
STATISTICAL DISTRIBUTIONS  
BRIGHTNESS DISTRIBUTION  
RT ASTROPHYSICS  
BLACK BODY RADIATION  
BRIGHTNESS  
BRIGHTNESS TEMPERATURE  
 $\infty$  DISTRIBUTION  
GALACTIC RADIATION  
PHOTOGRAPHY  
RADIANT FLUX DENSITY  
RADIO ASTRONOMY  
SOLAR GRANULATION  
STELLAR LUMINOSITY

### BRIGHTNESS TEMPERATURE

GS TEMPERATURE  
BRIGHTNESS TEMPERATURE  
RT ASTROPHYSICS  
BLACK BODY RADIATION  
BRIGHTNESS DISTRIBUTION  
LIMB BRIGHTENING  
METEOROLOGY  
PHOTOGRAPHY  
RADIO ASTRONOMY  
TEMPERATURE MEASUREMENT

### BRILLOUIN EFFECT

RT  $\infty$  EFFECTS  
FREQUENCY SHIFT  
LIGHT SCATTERING  
MONOCHROMATIC RADIATION

### BRILLOUIN FLOW

GS ELECTRIC CURRENT  
BRILLOUIN FLOW  
RT BEAM CURRENTS  
ELECTRON BEAMS  
ELECTRON OPTICS  
 $\infty$  FLOW  
TRAVELING WAVE TUBES

### BRILLOUIN ZONES

GS REGIONS  
BRILLOUIN ZONES  
RT BAND STRUCTURE OF SOLIDS  
CONDUCTION BANDS  
CRYSTAL LATTICES  
FERMI SURFACES  
FREE ELECTRONS

### BRILLOUIN-WIGNER EQUATION

RT  $\infty$  EQUATIONS

### BRINES

RT COOLANTS  
REFRIGERANTS  
SALINITY  
SALT BATHS  
SALT BEDS  
SEA WATER

### BRIQUETS

RT BLANKS  
PELLETS  
TABLETS

### BRISTOL-SIDDELEY BS 53 ENGINE

UF PEGASUS ENGINE  
GS ENGINES  
AIR BREATHING ENGINES  
GAS TURBINE ENGINES  
JET ENGINES  
TURBOJET ENGINES  
TURBOFAN ENGINES

### BRISTOL-SIDDELEY BS 53 ENGINE-(CONT.)

BRISTOL-SIDDELEY BS 53  
ENGINE  
INTERNAL COMBUSTION ENGINES  
GAS TURBINE ENGINES  
JET ENGINES  
TURBOJET ENGINES  
TURBOFAN ENGINES  
BRISTOL-SIDDELEY BS 53  
ENGINE  
TURBINE ENGINES  
GAS TURBINE ENGINES  
JET ENGINES  
TURBOJET ENGINES  
TURBOFAN ENGINES  
BRISTOL-SIDDELEY BS 53  
ENGINE  
RT P-1127 AIRCRAFT

### BRISTOL-SIDDELEY OLYMPUS 593 ENGINE

GS ENGINES  
AIR BREATHING ENGINES  
GAS TURBINE ENGINES  
JET ENGINES  
TURBOJET ENGINES  
BRISTOL-SIDDELEY OLYMPUS  
593 ENGINE  
INTERNAL COMBUSTION ENGINES  
GAS TURBINE ENGINES  
JET ENGINES  
TURBOJET ENGINES  
BRISTOL-SIDDELEY OLYMPUS  
593 ENGINE  
TURBINE ENGINES  
GAS TURBINE ENGINES  
JET ENGINES  
TURBOJET ENGINES  
BRISTOL-SIDDELEY OLYMPUS  
593 ENGINE

### BRISTOL-SIDDELEY VIPER ENGINE

GS ENGINES  
AIR BREATHING ENGINES  
GAS TURBINE ENGINES  
JET ENGINES  
TURBOJET ENGINES  
BRISTOL-SIDDELEY VIPER  
ENGINE  
INTERNAL COMBUSTION ENGINES  
GAS TURBINE ENGINES  
JET ENGINES  
TURBOJET ENGINES  
BRISTOL-SIDDELEY VIPER  
ENGINE  
TURBINE ENGINES  
GAS TURBINE ENGINES  
JET ENGINES  
TURBOJET ENGINES  
BRISTOL-SIDDELEY VIPER  
ENGINE

### BRITISH AIRCRAFT CORP AIRCRAFT

USE BAC AIRCRAFT

### BRITISH COLUMBIA

GS NATIONS  
CANADA  
BRITISH COLUMBIA

### BRITISH GUINEA

USE GUYANA

### BRITISH HONDURAS

USE BELIZE

### BRITTLE MATERIALS

RT CLEAVAGE  
CRACKING (FRACTURING)  
EMBRITTELEMENT  
FRACTURE STRENGTH  
GRANULAR MATERIALS  
HARDNESS  
IMPACT STRENGTH  
 $\infty$  MATERIALS  
POROUS MATERIALS

### BRITTLENESS

GS MECHANICAL PROPERTIES  
BRITTLENESS  
RT CHARPY IMPACT TEST  
CLEAVAGE  
COLD HARDENING  
CRACK CLOSURE  
CRACK INITIATION  
CRACK PROPAGATION

### BRITTLENESS-(CONT.)

CRACKING (FRACTURING)  
DUCTILITY  
EMBRITTELEMENT  
FRACTOGRAPHY  
FRACTURE STRENGTH  
FRACTURING  
HARDNESS  
IMPACT STRENGTH  
IMPACT TESTS  
NOTCH STRENGTH  
NOTCH TESTS  
TOUGHNESS  
WELDABILITY

### BROADBAND

UF WIDEBAND  
GS BANDWIDTH  
BROADBAND  
FREQUENCIES  
BROADBAND  
RT  $\infty$  BANDS  
 $\infty$  FREQUENCY RESPONSE  
LOG PERIODIC ANTENNAS  
NARROWBAND  
SPIRAL ANTENNAS

### BROADBAND AMPLIFIERS

GS AMPLIFIERS  
BROADBAND AMPLIFIERS  
RT BANDWIDTH  
FREQUENCIES  
WIDEBAND COMMUNICATION

### BROADCASTING

UF RADIO BROADCASTING  
GS TELECOMMUNICATION  
BROADCASTING  
RT COMMUNICATION NETWORKS  
DIRECT BROADCAST SATELLITES  
RADIO COMMUNICATION  
RADIO EQUIPMENT  
RADIO SIGNALS  
RADIO TRANSMISSION  
SYMPHONIE SATELLITES  
TRANSMISSION  
VOICE OF AMERICA

### BROKEN SYMMETRY

UF SYMMETRY BREAKING  
GS SYMMETRY  
RT GRAND UNIFIED THEORY  
MATHEMATICAL MODELS  
SUPERGRAVITY  
SUPERSYMMETRY  
THEORETICAL PHYSICS

### BROMATES

GS HALOGEN COMPOUNDS  
BROMINE COMPOUNDS  
BROMATES  
RT  $\infty$  OXYGEN COMPOUNDS

### BROMIDES

GS HALOGEN COMPOUNDS  
BROMINE COMPOUNDS  
BROMIDES  
AMMONIUM BROMIDES  
CESIUM BROMIDES  
CHROMIUM BROMIDES  
DIBROMIDES  
HYDROBROMIC ACID  
HYDROBROMIDES  
MAGNESIUM BROMIDES  
POTASSIUM BROMIDES  
SILVER BROMIDES  
SODIUM BROMIDES  
STRONTIUM BROMIDES  
HALIDES  
BROMIDES  
AMMONIUM BROMIDES  
CESIUM BROMIDES  
CHROMIUM BROMIDES  
DIBROMIDES  
HYDROBROMIC ACID  
HYDROBROMIDES  
MAGNESIUM BROMIDES  
POTASSIUM BROMIDES  
SILVER BROMIDES  
SODIUM BROMIDES  
STRONTIUM BROMIDES  
RT SALT BEDS

**BROMINATION**

GS CHEMICAL REACTIONS  
 . HALOGENATION  
 . . **BROMINATION**

**BROMINE**

GS CHEMICAL ELEMENTS  
 . HALOGENS  
 . . **BROMINE**  
 . . . BROMINE ISOTOPES

**BROMINE COMPOUNDS**

GS HALOGEN COMPOUNDS  
 . **BROMINE COMPOUNDS**  
 . . BROMATES  
 . . BROMIDES  
 . . . AMMONIUM BROMIDES  
 . . . CESIUM BROMIDES  
 . . . CHROMIUM BROMIDES  
 . . . DIBROMIDES  
 . . . HYDROBROMIC ACID  
 . . . HYDROBROMIDES  
 . . . MAGNESIUM BROMIDES  
 . . . POTASSIUM BROMIDES  
 . . . SILVER BROMIDES  
 . . . SODIUM BROMIDES  
 . . . STRONTIUM BROMIDES  
 RT ∞ CHEMICAL COMPOUNDS  
 HALOCARBONS  
 POLYBROMINATED BIPHENYLS

**BROMINE ISOTOPES**

UF BROMINE 82  
 BROMINE 87  
 GS CHEMICAL ELEMENTS  
 . HALOGENS  
 . . BROMINE  
 . . . **BROMINE ISOTOPES**  
 . . . NUCLIDES  
 . . . ISOTOPES  
 . . . **BROMINE ISOTOPES**

**BROMINE 82**

USE BROMINE ISOTOPES

**BROMINE 87**

USE BROMINE ISOTOPES

**BRONCHI**

UF BRONCHIAL TUBES  
 GS ANATOMY  
 . RESPIRATORY SYSTEM  
 . . **BRONCHI**  
 RT LUNGS  
 TRACHEA  
 ∞ TUBES

**BRONCHIAL TUBES**

USE BRONCHI

**BRONZES**

GS ALLOYS  
 . COPPER ALLOYS  
 . . **BRONZES**

**BROTHS**

RT ∞ FOOD  
 NUTRITION

**BROWN WAVE EFFECT**

RT ANNUAL VARIATIONS  
 BOTANY  
 CHLOROPHYLLS  
 ∞ EFFECTS  
 FOLIAGE  
 LEAVES

**BROWNIAN MOVEMENTS**

RT COLLOIDS  
 DISPERSIONS  
 EINSTEIN EQUATIONS  
 EMULSIONS  
 FOKKER-PLANCK EQUATION  
 ∞ MOTION  
 ∞ SUSPENSIONS

**BRUCETON TEST**

USE STATISTICAL TESTS

**BRUCITE**

GS CHALCOGENIDES  
 . OXIDES  
 . . **BRUCITE**  
 MAGNESIUM COMPOUNDS

**BRUCITE-(CONT.)**

. **BRUCITE**  
 MINERALS  
 . **BRUCITE**

**BRUDERHEIM METEORITE**

GS CELESTIAL BODIES  
 . METEORITES  
 . . STONY METEORITES  
 . . . CHONDRITES  
 . . . . **BRUDERHEIM METEORITE**

**BRUNEI**

GS NATIONS  
 . **BRUNEI**  
 RT ASIA

**BRUNT-VAISALA FREQUENCY**

GS CONSTRAINTS  
 . METEOROLOGICAL PARAMETERS  
 . . **BRUNT-VAISALA FREQUENCY**  
 FREQUENCIES  
 . **BRUNT-VAISALA FREQUENCY**  
 RT AIR CURRENTS  
 AIR FLOW  
 AIR MASSES  
 ATMOSPHERIC CIRCULATION  
 ATMOSPHERIC PHYSICS  
 ATMOSPHERIC STRATIFICATION  
 OSCILLATIONS

**BRUSH (BOTANY)**

UF SCRUBS (BOTANY)  
 GS PLANTS (BOTANY)  
 . **BRUSH (BOTANY)**  
 . . CHAPARRAL  
 RT BOTANY  
 DEFOLIATION  
 EARTH RESOURCES  
 GUAYULE  
 HERBICIDES

**BRUSHES**

GS **BRUSHES**  
 . BRUSHES (ELECTRICAL CONTACTS)  
 RT ELECTRIC CONTACTS  
 ELECTRIC GENERATORS  
 ELECTRIC MOTORS

**BRUSHES (ELECTRICAL CONTACTS)**

GS BRUSHES  
 . **BRUSHES (ELECTRICAL CONTACTS)**  
 RT ELECTRIC CONTACTS  
 ELECTRIC GENERATORS  
 ELECTRIC MOTORS

**BRYOPHYTES**

UF LIVERWORTS  
 MOSSES  
 GS PLANTS (BOTANY)  
 . **BRYOPHYTES**

**BSX**

GS EXPLOSIVES  
 . **BSX**  
 RT NITROMETHANE

**BUBBLE CHAMBERS**

GS IONIZATION CHAMBERS  
 . **BUBBLE CHAMBERS**  
 RT ∞ CHAMBERS  
 CLOUD CHAMBERS  
 ELEMENTARY PARTICLES  
 PARTICLE TRAJECTORIES  
 RADIATION COUNTERS  
 SPARK CHAMBERS

**BUBBLE MEMORY DEVICES**

GS COMPUTER STORAGE DEVICES  
 . **BUBBLE MEMORY DEVICES**  
 MAGNETIC STORAGE  
 . **BUBBLE MEMORY DEVICES**  
 RT BINARY DATA  
 COMPUTER COMPONENTS  
 CORE STORAGE  
 DATA PROCESSING  
 DATA RECORDERS  
 DATA RECORDING  
 DATA STORAGE  
 MAGNETIC CORES  
 MAGNETIC DOMAINS  
 MAGNETIC RECORDING  
 MAGNETIC SWITCHING

**BUBBLE TECHNIQUE**

GS TECHNOLOGIES  
 . **BUBBLE TECHNIQUE**  
 RT DATA RECORDERS  
 ELECTRONIC EQUIPMENT  
 FLIGHT INSTRUMENTS  
 ∞ INSTRUMENTS  
 MAGNETIC DOMAINS  
 ONBOARD EQUIPMENT  
 RECORDING INSTRUMENTS  
 SEMICONDUCTOR DEVICES  
 SOLID STATE DEVICES  
 SPACECRAFT INSTRUMENTS

**BUBBLES**

RT AERATION  
 CAVITATION FLOW  
 COANDA EFFECT  
 EFFERVESCENCE  
 FOAMS  
 METAL FOAMS  
 WAKES

**BUCCANEER AIRCRAFT**

UF B-103 AIRCRAFT  
 BLACKBURN B-103 AIRCRAFT  
 GS ATTACK AIRCRAFT  
 . **BUCCANEER AIRCRAFT**  
 HAWKER SIDDELEY AIRCRAFT  
 . **BUCCANEER AIRCRAFT**  
 JET AIRCRAFT  
 . **BUCCANEER AIRCRAFT**  
 MONOPLANES  
 . **BUCCANEER AIRCRAFT**  
 RT ∞ AIRCRAFT  
 HARRIER AIRCRAFT

**BUCKET BRIGADE DEVICES**

GS ELECTRONIC EQUIPMENT  
 . SOLID STATE DEVICES  
 . . SEMICONDUCTOR DEVICES  
 . . . CHARGE TRANSFER DEVICES  
 . . . . **BUCKET BRIGADE DEVICES**  
 RT CHARGE COUPLED DEVICES  
 SEMICONDUCTORS (MATERIALS)

**∞ BUCKETS**

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT BOXES (CONTAINERS)  
 ∞ CAPSULES  
 DRUMS (CONTAINERS)  
 TRAYS  
 TURBOMACHINE BLADES

**BUCKEY AIRCRAFT**

USE T-2 AIRCRAFT

**BUCKLING**

GS **BUCKLING**  
 . CREEP BUCKLING  
 . ELASTIC BUCKLING  
 . EULER BUCKLING  
 . THERMAL BUCKLING  
 RT BENDING  
 COLLAPSE  
 COMPRESSION LOADS  
 DEFORMATION  
 DISTORTION  
 DONNELL EQUATIONS  
 FAILURE  
 FAILURE MODES  
 FLANGE WRINKLING  
 HEAVING  
 ∞ RIDGES  
 SHELL STABILITY  
 STRESSES  
 STRUCTURAL FAILURE  
 STRUCTURAL STRAIN  
 TEMPERATURE INVERSIONS  
 TORSION  
 TWISTING  
 WARPAGE  
 WRINKLING

**BUDGETING**

RT ACCOUNTING  
 ALLOCATIONS  
 APPROPRIATIONS  
 ∞ BUDGETS  
 COST ANALYSIS  
 COST EFFECTIVENESS  
 COST ESTIMATES  
 ECONOMIC FACTORS

## BUDGETS

### BUDGETING-(CONT.)

ESTIMATING  
FINANCIAL MANAGEMENT  
FORECASTING  
GRANTS  
INCOME  
MISSION PLANNING  
PLANNING  
PROCUREMENT MANAGEMENT  
PROJECT PLANNING  
REVENUE

### ∞ BUDGETS

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
RT BUDGETING  
EARTH RADIATION BUDGET  
ENERGY BUDGETS  
ENGINEERING MANAGEMENT  
FEDERAL BUDGETS  
FOREIGN POLICY  
HEAT BUDGET  
PROCUREMENT MANAGEMENT  
RESEARCH MANAGEMENT

### BUFFALO AIRCRAFT

USE DHC 5 AIRCRAFT

### BUFFER STORAGE

GS COMPUTER STORAGE DEVICES  
. **BUFFER STORAGE**  
RT ∞ BUFFERS  
CORE STORAGE  
DATA STORAGE  
∞ STORAGE

### ∞ BUFFERS

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
RT BUFFER STORAGE  
BUFFERS (CHEMISTRY)

### BUFFERS (CHEMISTRY)

RT BASES (CHEMICAL)  
∞ BUFFERS  
CHEMICAL EQUILIBRIUM  
NEUTRALIZERS  
PH

### BUFFETING

RT AERODYNAMIC STABILITY  
AIRCRAFT STABILITY  
BOUNDARY LAYER CONTROL  
COMPRESSIBILITY EFFECTS  
FLIGHT CHARACTERISTICS  
FLUTTER  
OSCILLATING FLOW  
SHAKING  
SPACECRAFT MOTION  
SPACECRAFT STABILITY  
STROUHAL NUMBER  
TURBULENCE EFFECTS  
VORTEX AVOIDANCE

### BUILDING MATERIALS

USE CONSTRUCTION MATERIALS

### BUILDING STRUCTURES

USE BUILDINGS

### BUILDINGS

UF BUILDING STRUCTURES  
RT ARCHITECTURE  
BASEMENTS  
CEILINGS (ARCHITECTURE)  
CHIMNEYS  
CONSTRUCTION  
CONSTRUCTION INDUSTRY  
FLOORS  
GREENHOUSES  
HANGARS  
INDOOR AIR POLLUTION  
INFLATABLE STRUCTURES  
MISSILE SILOS  
MUSEUMS  
ROOFS  
SHELTERS  
SOLAR HOUSES  
STAIRWAYS  
STARSITE PROGRAM  
WALLS

### BULBS

RT LUMINAIRES  
PLANT ROOTS  
PRESSURE VESSELS  
SYRINGES

### BULGARIA

GS NATIONS  
. **BULGARIA**  
RT BLACK SEA  
EUROPE

### BULGING

GS METAL WORKING  
. **BULGING**  
RT DEEP DRAWING  
DIMPLING  
EXPLOSIVE FORMING  
FORGING  
HOT WORKING  
MAGNETIC FORMING  
METAL DRAWING  
STRETCH FORMING

### BULK ACOUSTIC WAVE DEVICES

UF B-A-W DEVICES  
RT ∞ DEVICES  
SURFACE ACOUSTIC WAVE DEVICES  
TRANSDUCERS

### BULK MODULUS

GS MECHANICAL PROPERTIES  
. **BULK MODULUS**  
RT COMPRESSIBILITY  
DENSITY (MASS/VOLUME)

### BULKHEADS

GS WALLS  
. **BULKHEADS**  
RT ∞ BARRIERS  
END PLATES  
HULLS (STRUCTURES)  
PARTITIONS (STRUCTURES)  
REINFORCEMENT (STRUCTURES)  
THICK WALLS  
THIN WALLS

### BULLPUP B MISSILE

RT LR-62-RM-2 ENGINE

### BULLPUP MISSILES

GS MISSILES  
. AIR TO SURFACE MISSILES  
. **BULLPUP MISSILES**  
RT LR-62-RM-2 ENGINE

### BUMBLEBEE PROJECT

GS MISSILES  
. **BUMBLEBEE PROJECT**  
PROGRAMS  
. PROJECTS  
. **BUMBLEBEE PROJECT**  
RT TALOS MISSILE  
TARTAR MISSILE  
TERRIER MISSILE  
TYPHON WEAPON SYSTEM

### BUMPERS

RT CUSHIONS  
METEOROID PROTECTION  
METEOROIDS  
PROTECTORS

### BUMPY TORUSES

RT FUSION REACTORS  
PLASMA CONTROL  
PLASMA HEATING  
TOKAMAK DEVICES  
TOROIDAL PLASMAS

### BUNA (TRADEMARK)

GS RUBBER  
. SYNTHETIC RUBBERS  
. **BUNA (TRADEMARK)**  
RT BUTADIENE  
STYRENES

### BUNCHING

GS **BUNCHING**  
. ELECTRON BUNCHING  
RT QUEUEING THEORY  
SPACE CHARGE  
VELOCITY MODULATION

### BUNDLE DRAWING

RT ∞ DRAWING  
METAL DRAWING

### BUNDLES

RT ∞ CONTAINERS  
PACKAGES  
UMBILICAL CONNECTORS  
WIRING

### BUNKERS (FUEL)

GS TANKS (CONTAINERS)  
. **BUNKERS (FUEL)**  
RT FUEL SYSTEMS

### BUOYANCY

RT ACOUSTIC LEVITATION  
AEROSTATICS  
BALLAST (MASS)  
DENSITY (MASS/VOLUME)  
FLOATING  
GAS DENSITY  
LEVITATION  
MECHANICAL PROPERTIES  
NEUTRAL BUOYANCY SIMULATION  
∞ PHYSICAL PROPERTIES  
POROSITY  
RAYLEIGH NUMBER  
VOIDS

### BUOYS

RT BEACONS  
COMPASSES  
FLOATS  
∞ MARKERS  
NAVIGATION AIDS  
OCEAN DATA ACQUISITIONS SYSTEMS

### BUREAUS (ORGANIZATIONS)

GS INSTITUTIONS  
. **BUREAUS (ORGANIZATIONS)**  
ORGANIZATIONS  
. FEDERATIONS  
. **BUREAUS (ORGANIZATIONS)**  
RT PROGRAMS  
PROJECTS  
TEAMS  
UNIVERSITY PROGRAM

### BURETTES

GS MEASURING INSTRUMENTS  
. **BURETTES**  
RT GLASSWARE  
PIPETTES  
∞ TUBES

### BURGER EQUATION

GS ANALYSIS (MATHEMATICS)  
. REAL VARIABLES  
. DIFFERENTIAL EQUATIONS  
. PARTIAL DIFFERENTIAL EQUATIONS  
. **BURGER EQUATION**  
RT CONTINUUM MECHANICS  
∞ EQUATIONS  
NAVIER-STOKES EQUATION  
SHOCK WAVE PROPAGATION

### BURKINA

UF UPPER VOLTA  
GS NATIONS  
. **BURKINA**  
RT AFRICA

### BURMA

GS NATIONS  
. **BURMA**  
RT ASIA

### BURN-IN

RT FAILURE  
FAILURE ANALYSIS  
INTEGRATED CIRCUITS  
QUALITY CONTROL

### BURNERS

RT AFTERBURNING  
CHEMICAL REACTORS  
COMBUSTION CHAMBERS  
DIFFUSION WELDING  
FUEL INJECTION  
FURNACES  
INCINERATORS  
WASTE ENERGY UTILIZATION

**BURNING**  
USE COMBUSTION

**BURNING PROCESS**  
USE COMBUSTION

**BURNING RATE**  
GS RATES (PER TIME)  
    . **BURNING RATE**  
RT BURNOUT  
    COMBUSTION  
    COMBUSTION CONTROL  
    COMBUSTION EFFICIENCY  
    COMBUSTION STABILITY  
    EXPLOSIVES  
    FLAME PROPAGATION  
    FLAMMABILITY  
    FUEL CONSUMPTION  
    FUEL-AIR RATIO  
    FUELS  
    PRESSURE DEPENDENCE  
    PROPELLANT GRAINS  
    PROPELLANTS  
    SOLID PROPELLANT COMBUSTION  
    SOLID PROPELLANT ROCKET ENGINES  
    SOLID ROCKET PROPELLANTS  
    VELOCITY COUPLING

**BURNING TIME**  
UF FIRING TIME  
GS TIME  
    . **BURNING TIME**  
RT COMBUSTION  
    COMBUSTION EFFICIENCY  
    FIRING (IGNITING)  
    FLIGHT OPTIMIZATION  
    FLIGHT TIME  
    ROCKET ENGINES  
    ROCKET FIRING  
    TESTING TIME  
    THRUST  
    WINDOWS (INTERVALS)

**BURNOUT**  
SN (LIMITED TO TERMINATION OF  
    COMBUSTION IN A ROCKET ENGINE  
    BECAUSE OF EXHAUSTION OF THE  
    PROPELLANT)  
RT BOOSTER ROCKET ENGINES  
    BURNING RATE  
    COMBUSTION  
    ∞ CUT-OFF  
    EROSIVE BURNING  
    EXTINGUISHING  
    SOLID PROPELLANT ROCKET ENGINES  
    THRUST TERMINATION

**BURNS (INJURIES)**  
GS INJURIES  
    . **BURNS (INJURIES)**  
RT CRASH INJURIES  
    FIRES  
    LASER DAMAGE  
    LESIONS  
    RADIATION INJURIES

**BURNTHROUGH (FAILURE)**  
GS FAILURE  
    . **BURNTHROUGH (FAILURE)**  
RT ABLATION  
    DAMAGE  
    MELTING  
    PERFORATING

**BURST TESTS**  
GS DESTRUCTIVE TESTS  
    . **BURST TESTS**  
RT CONTAINMENT  
    FAILURE ANALYSIS  
    FRACTURE MECHANICS  
    FRACTURE STRENGTH  
    ∞ MATERIALS TESTS  
    PRESSURE VESSELS

**BURSTS**  
GS **BURSTS**  
    . GAMMA RAY BURSTS  
    . RADIO BURSTS  
    . . . SOLAR RADIO BURSTS  
    . . . TYPE 2 BURSTS  
    . . . TYPE 3 BURSTS  
    . . . TYPE 4 BURSTS  
    . . . TYPE 5 BURSTS  
RT ∞ DISTURBANCES  
    EMISSION

**BURSTS-(CONT.)**  
EXPLOSIONS  
FRAGMENTATION  
IMPLOSIONS  
RUPTURING

**BURUNDI**  
UF RUANDA-URUNDI  
GS NATIONS  
    . **BURUNDI**  
RT AFRICA  
    RWANDA

**BUS CONDUCTORS**  
GS CONDUCTORS  
    . **BUS CONDUCTORS**  
RT ELECTRIC WIRE  
    FLAT CONDUCTORS  
    POWER LINES  
    ∞ POWER TRANSMISSION

**BUSHINGS**  
RT BEARINGS  
    INSERTS  
    LININGS  
    SHAFTS (MACHINE ELEMENTS)  
    SPACERS

**BUSINESS MANAGEMENT**  
USE INDUSTRIAL MANAGEMENT

**BUTADIENE**  
UF VINYL ETHYLENE  
GS ORGANIC COMPOUNDS  
    . HYDROCARBONS  
    . . . ALIPHATIC HYDROCARBONS  
    . . . DIENES  
    . . . . **BUTADIENE**  
RT BUNA (TRADEMARK)  
    HYDROCARBON FUELS  
    POLYBUTADIENE

**BUTANES**  
UF ISOBUTANE  
GS ORGANIC COMPOUNDS  
    . HYDROCARBONS  
    . . . ALIPHATIC HYDROCARBONS  
    . . . ALKANES  
    . . . . **BUTANES**  
RT PETROLEUM PRODUCTS

**BUTENES**  
UF BUTYLENE  
    ISOBUTYLENE  
GS ORGANIC COMPOUNDS  
    . HYDROCARBONS  
    . . . ALIPHATIC HYDROCARBONS  
    . . . ALKENES  
    . . . . **BUTENES**

**BUTT JOINTS**  
GS JOINTS (JUNCTIONS)  
    . **BUTT JOINTS**  
RT LAP JOINTS  
    METAL JOINTS  
    RIVETED JOINTS  
    SOLDERED JOINTS  
    WELDED JOINTS

**BUTTERFLY VALVES**  
GS VALVES  
    . **BUTTERFLY VALVES**  
    . . DAMPERS (VALVES)

**BUTTES**  
GS LANDFORMS  
    . TERRACES (LANDFORMS)  
    . . PLATEAUS  
    . . . MESAS  
    . . . . **BUTTES**

∞ **BUTTONS**  
SN (USE OF A MORE SPECIFIC TERM IS  
    RECOMMENDED--CONSULT THE TERMS  
    LISTED BELOW)  
RT MANUAL CONTROL

**BUTYLENE**  
USE BUTENES

**BUTYLENE OXIDES**  
USE TETRAHYDROFURAN

## C-8A AUGMENTOR WING AIRCRAFT

**BUTYRIC ACID**  
GS ACIDS  
    . **BUTYRIC ACID**  
RT FERMENTATION

**BY-PRODUCTS**  
RT MATERIALS RECOVERY  
    PRODUCTS  
    REACTION PRODUCTS  
    WASTES

**BYPASS RATIO**  
RT AIR INTAKES  
    ENGINE INLETS  
    FLOW GEOMETRY  
    HYPERSONIC INLETS  
    INLET AIRFRAME CONFIGURATIONS  
    INLET FLOW  
    INLET NOZZLES  
    INTAKE SYSTEMS  
    NOSE INLETS  
    SIDE INLETS  
    SUPERSONIC INLETS

**BYPASSES**  
UF SHUNTS  
RT DIVERTERS  
    RELIEF VALVES

## C

**C BAND**  
SN (3.9 TO 6.2 GHZ)  
GS FREQUENCIES  
    . RADIO FREQUENCIES  
    . . . MICROWAVE FREQUENCIES  
    . . . . **C BAND**  
RT MILLIMETER WAVES  
    SUPERHIGH FREQUENCIES

**C STARS**  
USE CARBON STARS

**C-M DIAGRAM**  
USE COLOR-MAGNITUDE DIAGRAM

**C-1A AIRCRAFT**  
UF TRADER AIRCRAFT  
GS GRUMMAN AIRCRAFT  
    . **C-1A AIRCRAFT**  
    TRANSPORT AIRCRAFT  
    . CARGO AIRCRAFT  
    . . **C-1A AIRCRAFT**  
RT ∞ AIRCRAFT  
    ∞ MILITARY AIRCRAFT

**C-2 AIRCRAFT**  
UF COD AIRCRAFT  
GS GRUMMAN AIRCRAFT  
    . **C-2 AIRCRAFT**  
    JET AIRCRAFT  
    . TURBOPROP AIRCRAFT  
    . . **C-2 AIRCRAFT**  
    MONOPLANES  
    . **C-2 AIRCRAFT**  
    TRANSPORT AIRCRAFT  
    . CARGO AIRCRAFT  
    . . **C-2 AIRCRAFT**  
RT ∞ AIRCRAFT

**C-5 AIRCRAFT**  
UF GALAXY AIRCRAFT  
GS LOCKHEED C-5 AIRCRAFT  
    JET AIRCRAFT  
    . **C-5 AIRCRAFT**  
    LOCKHEED AIRCRAFT  
    . **C-5 AIRCRAFT**  
    TRANSPORT AIRCRAFT  
    . CARGO AIRCRAFT  
    . . **C-5 AIRCRAFT**  
RT ∞ AIRCRAFT  
    TURBOFAN ENGINES

**C-8A AUGMENTOR WING AIRCRAFT**  
GS JET AIRCRAFT  
    . **C-8A AUGMENTOR WING AIRCRAFT**  
    RESEARCH AIRCRAFT  
    . **C-8A AUGMENTOR WING AIRCRAFT**  
    TRANSPORT AIRCRAFT  
    . SHORT HAUL AIRCRAFT  
    . . **C-8A AUGMENTOR WING AIRCRAFT**



## C-9 AIRCRAFT

**C-8A AUGMENTOR WING AIRCRAFT-(CONT.)**  
 V/STOL AIRCRAFT  
 . SHORT TAKEOFF AIRCRAFT  
 . **C-8A AUGMENTOR WING AIRCRAFT**  
 RT ∞ AIRCRAFT

**C-9 AIRCRAFT**  
 GS JET AIRCRAFT  
 . **C-9 AIRCRAFT**  
 MCDONNELL DOUGLAS AIRCRAFT  
 . DOUGLAS AIRCRAFT  
 . **C-9 AIRCRAFT**  
 . MCDONNELL AIRCRAFT  
 . **C-9 AIRCRAFT**  
 TRANSPORT AIRCRAFT  
 . CARGO AIRCRAFT  
 . **C-9 AIRCRAFT**  
 RT ∞ AIRCRAFT  
 EVACUATING (TRANSPORTATION)

**C-15 AIRCRAFT**  
 UF YC-15 AIRCRAFT  
 GS V/STOL AIRCRAFT  
 . SHORT TAKEOFF AIRCRAFT  
 . **C-15 AIRCRAFT**  
 RT ∞ AIRCRAFT

**C-33 AIRCRAFT**  
 UF BEECH C-33 AIRCRAFT  
 DEBONAIR AIRCRAFT  
 GS BEECHCRAFT AIRCRAFT  
 . BEECH 99 AIRCRAFT  
 . **C-33 AIRCRAFT**  
 GENERAL AVIATION AIRCRAFT  
 . **C-33 AIRCRAFT**  
 LIGHT AIRCRAFT  
 . BEECH 99 AIRCRAFT  
 . **C-33 AIRCRAFT**  
 MONOPLANES  
 . **C-33 AIRCRAFT**  
 PASSENGER AIRCRAFT  
 . **C-33 AIRCRAFT**  
 RT ∞ AIRCRAFT

**C-35 AIRCRAFT**  
 UF BEECH S-35 AIRCRAFT  
 BONANZA AIRCRAFT  
 GS BEECHCRAFT AIRCRAFT  
 . BEECH 99 AIRCRAFT  
 . **C-35 AIRCRAFT**  
 GENERAL AVIATION AIRCRAFT  
 . **C-35 AIRCRAFT**  
 LIGHT AIRCRAFT  
 . BEECH 99 AIRCRAFT  
 . **C-35 AIRCRAFT**  
 MONOPLANES  
 . **C-35 AIRCRAFT**  
 PASSENGER AIRCRAFT  
 . **C-35 AIRCRAFT**  
 RT ∞ AIRCRAFT

**C-46 AIRCRAFT**  
 UF COMMANDO AIRCRAFT  
 CURTISS C-46 AIRCRAFT  
 GS CURTISS-WRIGHT AIRCRAFT  
 . **C-46 AIRCRAFT**  
 MONOPLANES  
 . **C-46 AIRCRAFT**  
 PASSENGER AIRCRAFT  
 . **C-46 AIRCRAFT**  
 TRANSPORT AIRCRAFT  
 . CARGO AIRCRAFT  
 . **C-46 AIRCRAFT**  
 RT ∞ AIRCRAFT

**C-47 AIRCRAFT**  
 UF DAKOTA AIRCRAFT  
 GS MCDONNELL DOUGLAS AIRCRAFT  
 . DOUGLAS AIRCRAFT  
 . **C-47 AIRCRAFT**  
 MONOPLANES  
 . **C-47 AIRCRAFT**  
 TRANSPORT AIRCRAFT  
 . CARGO AIRCRAFT  
 . **C-47 AIRCRAFT**  
 RT ∞ AIRCRAFT

**C-54 AIRCRAFT**  
 UF R5D AIRCRAFT  
 SKYMASTER AIRCRAFT  
 GS MCDONNELL DOUGLAS AIRCRAFT  
 . DOUGLAS AIRCRAFT  
 . **C-54 AIRCRAFT**  
 MONOPLANES  
 . **C-54 AIRCRAFT**

**C-54 AIRCRAFT-(CONT.)**  
 TRANSPORT AIRCRAFT  
 . CARGO AIRCRAFT  
 . **C-54 AIRCRAFT**  
 RT ∞ AIRCRAFT

**C-118 AIRCRAFT**  
 GS MCDONNELL DOUGLAS AIRCRAFT  
 . DOUGLAS AIRCRAFT  
 . **C-118 AIRCRAFT**  
 MONOPLANES  
 . **C-118 AIRCRAFT**  
 TRANSPORT AIRCRAFT  
 . CARGO AIRCRAFT  
 . **C-118 AIRCRAFT**  
 RT ∞ AIRCRAFT

**C-119 AIRCRAFT**  
 GS FAIRCHILD-HILLER AIRCRAFT  
 . **C-119 AIRCRAFT**  
 JET AIRCRAFT  
 . **C-119 AIRCRAFT**  
 TRANSPORT AIRCRAFT  
 . CARGO AIRCRAFT  
 . **C-119 AIRCRAFT**  
 RT ∞ AIRCRAFT

**C-121 AIRCRAFT**  
 UF LOCKHEED CONSTELLATION AIRCRAFT  
 R7V AIRCRAFT  
 GS LOCKHEED AIRCRAFT  
 . **C-121 AIRCRAFT**  
 MONOPLANES  
 . **C-121 AIRCRAFT**  
 TRANSPORT AIRCRAFT  
 . CARGO AIRCRAFT  
 . **C-121 AIRCRAFT**  
 RT ∞ AIRCRAFT  
 EC-121 AIRCRAFT

**C-123 AIRCRAFT**  
 UF PROVIDER AIRCRAFT  
 YC-123 AIRCRAFT  
 GS FAIRCHILD-HILLER AIRCRAFT  
 . **C-123 AIRCRAFT**  
 MONOPLANES  
 . **C-123 AIRCRAFT**  
 TRANSPORT AIRCRAFT  
 . CARGO AIRCRAFT  
 . **C-123 AIRCRAFT**  
 V/STOL AIRCRAFT  
 . SHORT TAKEOFF AIRCRAFT  
 . **C-123 AIRCRAFT**  
 RT ∞ AIRCRAFT

**C-124 AIRCRAFT**  
 GS MCDONNELL DOUGLAS AIRCRAFT  
 . DOUGLAS AIRCRAFT  
 . **C-124 AIRCRAFT**  
 MONOPLANES  
 . **C-124 AIRCRAFT**  
 TRANSPORT AIRCRAFT  
 . CARGO AIRCRAFT  
 . **C-124 AIRCRAFT**  
 RT ∞ AIRCRAFT

**C-130 AIRCRAFT**  
 UF GC-130 AIRCRAFT  
 HERCULES AIRCRAFT  
 JC-130 AIRCRAFT  
 KC-130 AIRCRAFT  
 NC-130 AIRCRAFT  
 GS JET AIRCRAFT  
 . TURBOPROP AIRCRAFT  
 . **C-130 AIRCRAFT**  
 LOCKHEED AIRCRAFT  
 . **C-130 AIRCRAFT**  
 MONOPLANES  
 . **C-130 AIRCRAFT**  
 TRANSPORT AIRCRAFT  
 . CARGO AIRCRAFT  
 . **C-130 AIRCRAFT**  
 RT ∞ AIRCRAFT  
 T-56 ENGINE

**C-131 AIRCRAFT**  
 UF SAMARITAN AIRCRAFT  
 GS GENERAL DYNAMICS AIRCRAFT  
 . **C-131 AIRCRAFT**  
 MONOPLANES  
 . **C-131 AIRCRAFT**  
 TRANSPORT AIRCRAFT  
 . CARGO AIRCRAFT  
 . **C-131 AIRCRAFT**  
 RT ∞ AIRCRAFT

**C-133 AIRCRAFT**  
 UF CARGOMASTER AIRCRAFT  
 GS JET AIRCRAFT  
 . TURBOPROP AIRCRAFT  
 . **C-133 AIRCRAFT**  
 MCDONNELL DOUGLAS AIRCRAFT  
 . DOUGLAS AIRCRAFT  
 . **C-133 AIRCRAFT**  
 MONOPLANES  
 . **C-133 AIRCRAFT**  
 TRANSPORT AIRCRAFT  
 . CARGO AIRCRAFT  
 . **C-133 AIRCRAFT**  
 RT ∞ AIRCRAFT  
 T-34 ENGINE

**C-135 AIRCRAFT**  
 UF KC-135 AIRCRAFT  
 STRATOTANKER AIRCRAFT  
 GS BOEING AIRCRAFT  
 . **C-135 AIRCRAFT**  
 JET AIRCRAFT  
 . **C-135 AIRCRAFT**  
 MONOPLANES  
 . **C-135 AIRCRAFT**  
 TRANSPORT AIRCRAFT  
 . CARGO AIRCRAFT  
 . **C-135 AIRCRAFT**  
 RT ADVANCED RANGE INSTRUMENTATION  
 AIRCRAFT  
 ∞ AIRCRAFT  
 TURBOFAN AIRCRAFT

**C-140 AIRCRAFT**  
 UF JET STAR AIRCRAFT  
 GS JET AIRCRAFT  
 . **C-140 AIRCRAFT**  
 LOCKHEED AIRCRAFT  
 . **C-140 AIRCRAFT**  
 MONOPLANES  
 . **C-140 AIRCRAFT**  
 TRANSPORT AIRCRAFT  
 . CARGO AIRCRAFT  
 . **C-140 AIRCRAFT**  
 UTILITY AIRCRAFT  
 . **C-140 AIRCRAFT**  
 RT ∞ AIRCRAFT

**C-141 AIRCRAFT**  
 UF KUIPER AIRBORNE OBSERVATORY  
 STARLIFTER AIRCRAFT  
 GS JET AIRCRAFT  
 . TURBOFAN AIRCRAFT  
 . **C-141 AIRCRAFT**  
 LOCKHEED AIRCRAFT  
 . **C-141 AIRCRAFT**  
 MONOPLANES  
 . **C-141 AIRCRAFT**  
 TRANSPORT AIRCRAFT  
 . CARGO AIRCRAFT  
 . **C-141 AIRCRAFT**  
 RT ∞ AIRCRAFT  
 TURBOFAN ENGINES

**C-142 AIRCRAFT**  
 USE XC-142 AIRCRAFT

**C-160 AIRCRAFT**  
 UF TRANSALL C-160 AIRCRAFT  
 GS HAMBURGER AIRCRAFT  
 . **C-160 AIRCRAFT**  
 JET AIRCRAFT  
 . TURBOPROP AIRCRAFT  
 . **C-160 AIRCRAFT**  
 MONOPLANES  
 . **C-160 AIRCRAFT**  
 NORD AIRCRAFT  
 . **C-160 AIRCRAFT**  
 TRANSPORT AIRCRAFT  
 . CARGO AIRCRAFT  
 . **C-160 AIRCRAFT**  
 RT ∞ AIRCRAFT  
 TURBOPROP ENGINES

**CABIN ATMOSPHERES**  
 GS CONTROLLED ATMOSPHERES  
 . **CABIN ATMOSPHERES**  
 . SPACECRAFT CABIN ATMOSPHERES  
 RT AIRCRAFT COMPARTMENTS  
 ∞ ATMOSPHERES  
 COCKPITS  
 ENVIRONMENTAL CONTROL  
 OXYGEN SUPPLY EQUIPMENT  
 PRESSURIZED CABINS  
 SPACE CAPSULES

## CALCIUM COMPOUNDS

**∞ CABINS**  
 SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT AIRCRAFT COMPARTMENTS  
 COCKPITS  
 PRESSURIZED CABINS  
 SPACECRAFT CABINS

**CABLE FORCE RECORDERS**  
 GS RECORDING INSTRUMENTS  
 . **CABLE FORCE RECORDERS**  
 RT ∞ RECORDERS  
 STRAIN GAGES  
 TENSIONMETERS

**∞ CABLES**  
 SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT CABLES (ROPES)  
 COAXIAL CABLES  
 COMMUNICATION CABLES  
 POWER LINES  
 SUBMARINE CABLES  
 TETHERLINES  
 TRANSMISSION LINES

**CABLES (ROPES)**  
 RT ∞ BELTS  
 ∞ CABLES  
 CHAINS  
 CORDAGE  
 FASTENERS  
 REELS  
 STRANDS  
 TOWING  
 WIRE

**CAD (DESIGN)**  
 USE COMPUTER AIDED DESIGN

**CADAstral MAPPING**  
 GS MAPPING  
 . **CADAstral MAPPING**  
 RT GEOGRAPHY  
 MAPS  
 THEMATIC MAPPING

**CADMIUM**  
 GS CHEMICAL ELEMENTS  
 . **CADMIUM**  
 . . CADMIUM ISOTOPES  
 METALS  
 . TRANSITION METALS  
 . . **CADMIUM**  
 . . . CADMIUM ISOTOPES

**CADMIUM ALLOYS**  
 GS ALLOYS  
 . **CADMIUM ALLOYS**  
 RT BEARING ALLOYS

**CADMIUM ANTIMONIDES**  
 GS ANTIMONY COMPOUNDS  
 . ANTIMONIDES  
 . . **CADMIUM ANTIMONIDES**  
 CADMIUM COMPOUNDS  
 . **CADMIUM ANTIMONIDES**

**CADMIUM CHLORIDES**  
 GS CADMIUM COMPOUNDS  
 . **CADMIUM CHLORIDES**  
 HALOGEN COMPOUNDS  
 . CHLORINE COMPOUNDS  
 . . CHLORIDES  
 . . . **CADMIUM CHLORIDES**  
 HALIDES  
 . . CHLORIDES  
 . . . **CADMIUM CHLORIDES**  
 . . METAL HALIDES  
 . . . **CADMIUM CHLORIDES**

**CADMIUM COMPOUNDS**  
 GS **CADMIUM COMPOUNDS**  
 . CADMIUM ANTIMONIDES  
 . CADMIUM CHLORIDES  
 . CADMIUM FLUORIDES  
 . CADMIUM SELENIDES  
 . CADMIUM SULFIDES  
 . CADMIUM TELLURIDES  
 RT ∞ CHEMICAL COMPOUNDS  
 ∞ GROUP 2B COMPOUNDS  
 ∞ METAL COMPOUNDS

**CADMIUM FLUORIDES**  
 GS CADMIUM COMPOUNDS  
 . **CADMIUM FLUORIDES**  
 HALOGEN COMPOUNDS  
 . FLUORINE COMPOUNDS  
 . . FLUORIDES  
 . . . METAL FLUORIDES  
 . . . . **CADMIUM FLUORIDES**

**CADMIUM ISOTOPES**  
 UF CADMIUM 114  
 GS CHEMICAL ELEMENTS  
 . CADMIUM  
 . . **CADMIUM ISOTOPES**  
 . . NUCLIDES  
 . . ISOTOPES  
 . . . **CADMIUM ISOTOPES**  
 METALS  
 . TRANSITION METALS  
 . . CADMIUM  
 . . . **CADMIUM ISOTOPES**

**CADMIUM MERCURY TELLURIDES**  
 USE MERCURY CADMIUM TELLURIDES

**CADMIUM NICKEL BATTERIES**  
 USE NICKEL CADMIUM BATTERIES

**CADMIUM SELENIDES**  
 GS CADMIUM COMPOUNDS  
 . **CADMIUM SELENIDES**  
 CHALCOGENIDES  
 . SELENIDES  
 . . **CADMIUM SELENIDES**  
 SELENIUM COMPOUNDS  
 . SELENIDES  
 . . **CADMIUM SELENIDES**

**CADMIUM SILVER BATTERIES**  
 USE SILVER CADMIUM BATTERIES

**CADMIUM SULFIDES**  
 GS CADMIUM COMPOUNDS  
 . **CADMIUM SULFIDES**  
 CHALCOGENIDES  
 . SULFIDES  
 . . INORGANIC SULFIDES  
 . . . **CADMIUM SULFIDES**  
 SULFUR COMPOUNDS  
 . SULFIDES  
 . . INORGANIC SULFIDES  
 . . . **CADMIUM SULFIDES**

**CADMIUM TELLURIDES**  
 GS CADMIUM COMPOUNDS  
 . **CADMIUM TELLURIDES**  
 CHALCOGENIDES  
 . TELLURIDES  
 . . **CADMIUM TELLURIDES**  
 TELLURIUM COMPOUNDS  
 . TELLURIDES  
 . . **CADMIUM TELLURIDES**

**CADMIUM 114**  
 USE CADMIUM ISOTOPES

**CAFFEINE**  
 GS BASES (CHEMICAL)  
 . ALKALOIDS  
 . . **CAFFEINE**  
 DRUGS  
 . STIMULANTS  
 . . **CAFFEINE**  
 FUNGICIDES  
 . XANTHINES  
 . . **CAFFEINE**  
 NITROGEN COMPOUNDS  
 . ALKALOIDS  
 . . **CAFFEINE**  
 . XANTHINES  
 . . **CAFFEINE**  
 ORGANIC COMPOUNDS  
 . CYCLIC COMPOUNDS  
 . . HETEROCYCLIC COMPOUNDS  
 . . . ALKALOIDS  
 . . . . **CAFFEINE**  
 . . . PURINES  
 . . . . XANTHINES  
 . . . . . **CAFFEINE**

**CAI**  
 USE COMPUTER ASSISTED INSTRUCTION

**CAISSONS**  
 RT CONSTRUCTION  
 FOUNDATIONS

**CAJUN ROCKET VEHICLE**  
 GS ROCKET VEHICLES  
 . SOUNDING ROCKETS  
 . . **CAJUN ROCKET VEHICLE**  
 RT NIKE-CAJUN ROCKET VEHICLE  
 SOLID PROPELLANT ROCKET ENGINES  
 SONDES

**CALCIFEROL**  
 UF VITAMIN D  
 GS ORGANIC COMPOUNDS  
 . LIPIDS  
 . . **CALCIFEROL**  
 VITAMINS  
 . **CALCIFEROL**

**CALCIFICATION**  
 RT ARTHRITIS  
 BONES

**CALCINATION**  
 USE ROASTING

**CALCITE**  
 GS CALCIUM COMPOUNDS  
 . CALCIUM CARBONATES  
 . . **CALCITE**  
 CARBON COMPOUNDS  
 . CARBONATES  
 . . CALCIUM CARBONATES  
 . . . **CALCITE**  
 MINERALS  
 . **CALCITE**  
 RT ARAGONITE  
 BIREFRINGENCE

**CALCIUM**  
 GS CHEMICAL ELEMENTS  
 . **CALCIUM**  
 . . CALCIUM ISOTOPES  
 METALS  
 . **CALCIUM**  
 . . CALCIUM ISOTOPES  
 RT CALMODULIN  
 GYPSUM

**CALCIUM CARBONATES**  
 GS CALCIUM COMPOUNDS  
 . **CALCIUM CARBONATES**  
 . AKERMANITE  
 . ARAGONITE  
 . . **CALCITE**  
 . . CHALK  
 CARBON COMPOUNDS  
 . CARBONATES  
 . . **CALCIUM CARBONATES**  
 . . AKERMANITE  
 . . ARAGONITE  
 . . . **CALCITE**  
 . . . CHALK  
 RT BONE MINERAL CONTENT  
 LIMESTONE

**CALCIUM CHLORIDES**  
 GS CALCIUM COMPOUNDS  
 . **CALCIUM CHLORIDES**  
 HALOGEN COMPOUNDS  
 . CHLORINE COMPOUNDS  
 . . CHLORIDES  
 . . . **CALCIUM CHLORIDES**  
 HALIDES  
 . . CHLORIDES  
 . . . **CALCIUM CHLORIDES**  
 . . METAL HALIDES  
 . . . **CALCIUM CHLORIDES**

**CALCIUM COMPOUNDS**  
 GS **CALCIUM COMPOUNDS**  
 . CALCIUM CARBONATES  
 . . AKERMANITE  
 . . ARAGONITE  
 . . **CALCITE**  
 . . CHALK  
 . CALCIUM CHLORIDES  
 . CALCIUM FLUORIDES  
 . FLUORSAPAR  
 . CALCIUM OXIDES  
 . . AKERMANITE  
 . CALCIUM PHOSPHATES  
 . CALCIUM SILICATES

## CALCIUM FLUORIDES

### CALCIUM COMPOUNDS-(CONT.)

- . GEHLENITE
- . CALCIUM SULFIDES
- . CALCIUM TUNGSTATES
- . CALCIUM VANADATES
- . FLUORITE
- . MERWINITE
- . MONTICELLITE
- . PEROVSKITES
- . SCHEELITE
- RT  $\infty$  ALKALINE EARTH COMPOUNDS
- $\infty$  CHEMICAL COMPOUNDS
- $\infty$  METAL COMPOUNDS

### CALCIUM FLUORIDES

- GS CALCIUM COMPOUNDS
- . CALCIUM FLUORIDES
- . FLUORSPAR
- HALOGEN COMPOUNDS
- . FLUORINE COMPOUNDS
- . FLUORIDES
- . . . . . DIFLUORIDES
- . . . . . CALCIUM FLUORIDES
- . . . . . FLUORSPAR
- . . . . . METAL FLUORIDES
- . . . . . CALCIUM FLUORIDES
- . HALIDES
- . FLUORIDES
- . . . . . DIFLUORIDES
- . . . . . CALCIUM FLUORIDES
- . . . . . FLUORSPAR

### CALCIUM ISOTOPES

- UF CALCIUM 45
- GS CHEMICAL ELEMENTS
- . CALCIUM
- . . . CALCIUM ISOTOPES
- . . . NUCLIDES
- . . . ISOTOPES
- . . . . . CALCIUM ISOTOPES
- METALS
- . CALCIUM
- . . . CALCIUM ISOTOPES

### CALCIUM METABOLISM

- GS METABOLISM
- . CALCIUM METABOLISM
- RT BED REST
- CALMODULIN
- OSTEOPOROSIS
- PARATHYROID GLAND
- THYROID GLAND

### CALCIUM OXIDES

- UF LIME
- GS CALCIUM COMPOUNDS
- . CALCIUM OXIDES
- . . AKERMANITE
- CHALCOGENIDES
- . OXIDES
- . . METAL OXIDES
- . . . ALKALINE EARTH OXIDES
- . . . . . CALCIUM OXIDES
- . . . . . AKERMANITE

### CALCIUM PHOSPHATES

- UF APATITES
- GS CALCIUM COMPOUNDS
- . CALCIUM PHOSPHATES
- PHOSPHORUS COMPOUNDS
- . PHOSPHATES
- . . CALCIUM PHOSPHATES
- RT BONE MINERAL CONTENT

### CALCIUM SILICATES

- GS CALCIUM COMPOUNDS
- . CALCIUM SILICATES
- . . GEHLENITE
- SILICON COMPOUNDS
- . SILICATES
- . . . CALCIUM SILICATES
- . . . . . GEHLENITE
- RT AMPHIBOLES
- MINERALS

### CALCIUM SULFIDES

- GS CALCIUM COMPOUNDS
- . CALCIUM SULFIDES
- CHALCOGENIDES
- . SULFIDES
- . . INORGANIC SULFIDES
- . . . CALCIUM SULFIDES
- SULFUR COMPOUNDS
- . SULFIDES
- . . INORGANIC SULFIDES

### CALCIUM SULFIDES-(CONT.)

#### . . . . . CALCIUM SULFIDES

### CALCIUM TUNGSTATES

- GS CALCIUM COMPOUNDS
- . CALCIUM TUNGSTATES
- TUNGSTEN COMPOUNDS
- . TUNGSTATES
- . . CALCIUM TUNGSTATES

### CALCIUM VANADATES

- GS CALCIUM COMPOUNDS
- . CALCIUM VANADATES
- VANADIUM COMPOUNDS
- . VANADATES
- . . CALCIUM VANADATES

### CALCIUM 45

- USE CALCIUM ISOTOPES

### CALCULATION

- USE COMPUTATION

### CALCULATORS

- RT ARITHMETIC
- COMPUTATION
- COMPUTERS

### CALCULI

- UF RENAL CALCULI
- GS DEPOSITS
- . CALCULI
- . . DENTAL CALCULI
- RT LITHIASIS
- UROLITHIASIS

### CALCULUS

- SN (LIMITED TO MATHEMATICS)
- GS ANALYSIS (MATHEMATICS)
- . CALCULUS
- . . CONTINUITY (MATHEMATICS)
- . . DIFFERENTIAL CALCULUS
- . . FOURIER-BESSEL TRANSFORMATIONS
- . . GRAEFF CALCULUS
- . . INTEGRAL CALCULUS
- . . LIMITS (MATHEMATICS)
- . . SERIES (MATHEMATICS)
- . . . ASYMPTOTIC SERIES
- . . . CAMPBELL-HAUSDORFF SERIES
- . . . COSINE SERIES
- . . . FOURIER SERIES
- . . . PADE APPROXIMATION
- . . . POWER SERIES
- . . . TAYLOR SERIES
- . . . . . MACLAURIN SERIES
- . . . PROGRESSIONS
- . . . PRONY SERIES
- . . . SINE SERIES
- . . . VECTOR ANALYSIS
- . . . COLLINEARITY
- . . . COPLANARITY
- . . . CURL (VECTORS)
- . . . . . VORTICITY
- RT ANALYTIC GEOMETRY
- ASYMPTOTES
- DIFFERENTIAL EQUATIONS
- FUNCTIONS (MATHEMATICS)
- $\infty$  MATHEMATICS
- MONOTONE FUNCTIONS
- OPERATIONAL CALCULUS
- REAL VARIABLES

### CALCULUS OF VARIATIONS

- UF VARIATION METHOD
- GS ANALYSIS (MATHEMATICS)
- . REAL VARIABLES
- . . CALCULUS OF VARIATIONS
- RT BIOT METHOD
- CASTIGLIANO VARIATIONAL THEOREM
- DIFFERENTIAL EQUATIONS
- EULER-LAGRANGE EQUATION
- INTEGRAL EQUATIONS
- INVARIANT IMBEDDINGS
- JACOBI MATRIX METHOD
- MAXIMA
- OPERATIONAL CALCULUS
- PONTRYAGIN PRINCIPLE
- STEEPEST DESCENT METHOD
- VARIATIONAL PRINCIPLES

### CALDERAS

- GS LANDFORMS
- . CALDERAS
- RT CONES (VOLCANOES)

### CALDERAS-(CONT.)

- CRATERS
- LAVA
- MARS VOLCANOES
- VOLCANOES
- VOLCANOLOGY

### CALENDARS

- GS CALENDARS
- . CROP CALENDARS
- RT MONTH
- SCHEDULING
- TIME

### CALIBRATING

- UF GRADUATION
- GS CALIBRATING
- . WIND TUNNEL CALIBRATION
- RT ACCURACY
- INSTRUMENT COMPENSATION
- INSTRUMENT ERRORS
- MEASURING INSTRUMENTS
- $\infty$  SCALING
- SOLAR CELL CALIBRATION FACILITY
- STANDARDIZATION
- STANDARDS
- TEMPERATURE SCALES

### CALIFORNIA

- GS NATIONS
- . UNITED STATES
- . . CALIFORNIA
- RT CASCADE RANGE (CA-OR-WA)
- COACHELLA VALLEY (CA)
- COASTAL RANGES (CA)
- DEATH VALLEY (CA)
- FEATHER RIVER BASIN (CA)
- GREAT BASIN (US)
- IMPERIAL VALLEY (CA)
- LAKE TAHOE (CA-NV)
- MOJAVE DESERT (CA)
- MONTEREY BAY (CA)
- PALO VERDE VALLEY (CA)
- PENINSULAR RANGES (CA)
- SACRAMENTO VALLEY (CA)
- SALTON SEA (CA)
- SAN ANDREAS FAULT
- SAN FRANCISCO (CA)
- SAN FRANCISCO BAY (CA)
- SAN JOAQUIN VALLEY (CA)
- SAN PABLO BAY (CA)
- SIERRA NEVADA MOUNTAINS (CA)
- SOUTHERN CALIFORNIA

### CALIFORNIUM

- GS CHEMICAL ELEMENTS
- . ACTINIDE SERIES
- . . TRANSURANIUM ELEMENTS
- . . . CALIFORNIUM
- . . . . . CALIFORNIUM ISOTOPES
- . . . NUCLIDES
- . . . ISOTOPES
- . . . RADIOACTIVE ISOTOPES
- . . . . . TRANSURANIUM ELEMENTS
- . . . . . CALIFORNIUM
- . . . . . CALIFORNIUM ISOTOPES
- METALS
- . ACTINIDE SERIES
- . . TRANSURANIUM ELEMENTS
- . . . CALIFORNIUM
- . . . . . CALIFORNIUM ISOTOPES
- RT CALIFORNIUM COMPOUNDS

### CALIFORNIUM COMPOUNDS

- GS ACTINIDE SERIES COMPOUNDS
- . CALIFORNIUM COMPOUNDS
- RT CALIFORNIUM

### CALIFORNIUM ISOTOPES

- UF CALIFORNIUM 252
- GS CHEMICAL ELEMENTS
- . ACTINIDE SERIES
- . . TRANSURANIUM ELEMENTS
- . . . CALIFORNIUM
- . . . . . CALIFORNIUM ISOTOPES
- . . . NUCLIDES
- . . . ISOTOPES
- . . . RADIOACTIVE ISOTOPES
- . . . . . TRANSURANIUM ELEMENTS
- . . . . . CALIFORNIUM
- . . . . . CALIFORNIUM ISOTOPES
- METALS
- . ACTINIDE SERIES
- . . TRANSURANIUM ELEMENTS
- . . . CALIFORNIUM

**CALIFORNIUM ISOTOPES-(CONT.)**

..... CALIFORNIUM ISOTOPES

**CALIFORNIUM 252**

USE CALIFORNIUM ISOTOPES

**CALLISTO**

GS CELESTIAL BODIES  
 . NATURAL SATELLITES  
 . . ICY SATELLITES  
 . . . CALLISTO  
 . . . JUPITER SATELLITES  
 . . . GALILEAN SATELLITES  
 . . . . CALLISTO  
 RT CHARON  
 GANYMEDE  
 IO  
 JUPITER (PLANET)

**CALMODULIN**

GS BIOPOLYMERS  
 . PROTEINS  
 . . CALMODULIN  
 . . . ORGANIC COMPOUNDS  
 . . . PROTEINS  
 . . . . CALMODULIN  
 RT CALCIUM  
 CALCIUM METABOLISM  
 CYTOPLASM  
 GRAVITROPISM  
 REGULATORY MECHANISMS (BIOLOGY)

**CALORIC REQUIREMENTS**

GS NUTRITIONAL REQUIREMENTS  
 . CALORIC REQUIREMENTS  
 RT DIETS  
 ∞ FOOD  
 METABOLISM  
 MINERAL METABOLISM  
 ∞ NUTRIENTS  
 NUTRITION

**CALORIC STIMULI**

RT ∞ STIMULI

**CALORIMETERS**

UF MICROCALORIMETERS  
 GS MEASURING INSTRUMENTS  
 . CALORIMETERS  
 . . BOMB CALORIMETERS  
 . . . DROP CALORIMETERS  
 . . . FLAME CALORIMETERS  
 RT HEAT MEASUREMENT  
 HIGH TEMPERATURE TESTS  
 TEMPERATURE MEASURING  
 INSTRUMENTS

**CALORIMETRY**

USE HEAT MEASUREMENT

**CALUTRONS**

USE CYCLOTRONS

**CALVES**

GS ANIMALS  
 . VERTEBRATES  
 . . MAMMALS  
 . . . CATTLE  
 . . . . CALVES  
 RT LIVESTOCK

**CAM (MANUFACTURING)**

USE COMPUTER AIDED MANUFACTURING

**CAMBER**

GS CAMBER  
 . CONICAL CAMBER  
 . . WING CAMBER  
 RT AIRFOILS  
 BENDING  
 ∞ BOWS  
 CAMBERED WINGS  
 CURVATURE  
 CURVED BEAMS  
 DEFLECTION  
 DEFORMATION  
 DISTORTION  
 FLEXING  
 FUSELAGES  
 LIFT  
 WARPAGE

**CAMBERED WINGS**

GS AIRFOILS

**CAMBERED WINGS-(CONT.)**

. WINGS  
 . . CAMBERED WINGS  
 RT CAMBER  
 FIXED WINGS  
 TWISTED WINGS  
 UNCAMBERED WINGS  
 WING CAMBER

**CAMBODIA**

UF KAMPUCHEA  
 GS NATIONS  
 . CAMBODIA  
 RT ASIA

**CAMEL AIRCRAFT**

USE TU-104 AIRCRAFT

**CAMERA SHUTTERS**

RT CAMERAS  
 IRISES (MECHANICAL APERTURES)  
 KERR CELLS  
 PANORAMIC CAMERAS  
 ∞ SHUTTERS  
 STREAK CAMERAS

**CAMERA TUBES**

GS ELECTRON TUBES  
 . CAMERA TUBES  
 . . IMAGE DISSECTOR TUBES  
 . . . ORTHICONS  
 . . . IMAGE ORTHICONS  
 . . . VIDICONS  
 . . . RETURN BEAM VIDICONS  
 . . . . THERMICONS  
 RT CAMERAS  
 DYNODES  
 IMAGE CONVERTERS  
 IMAGE TRANSDUCERS  
 MONOSCOPES  
 PLANOTRONS  
 TELEVISION CAMERAS  
 VIDEO EQUIPMENT

**CAMERAS**

GS OPTICAL EQUIPMENT  
 . CAMERAS  
 . . BAKER-NUNN CAMERA  
 . . . BALLISTIC CAMERAS  
 . . . DELFT CAMERA  
 . . . DIFFRACTION LIMITED CAMERAS  
 . . . FAINT OBJECT CAMERA  
 . . . HIGH SPEED CAMERAS  
 . . . FRAMING CAMERAS  
 . . . I2S CAMERAS  
 . . . LALLEMAND CAMERAS  
 . . . MULTISPECTRAL BAND CAMERAS  
 . . . PANORAMIC CAMERAS  
 . . . PINHOLE CAMERAS  
 . . . SCHMIDT CAMERAS  
 . . . STREAK CAMERAS  
 . . . TELEVISION CAMERAS  
 PHOTOGRAPHIC EQUIPMENT  
 . CAMERAS  
 . . BAKER-NUNN CAMERA  
 . . . BALLISTIC CAMERAS  
 . . . DELFT CAMERA  
 . . . DIFFRACTION LIMITED CAMERAS  
 . . . FAINT OBJECT CAMERA  
 . . . HIGH SPEED CAMERAS  
 . . . FRAMING CAMERAS  
 . . . I2S CAMERAS  
 . . . LALLEMAND CAMERAS  
 . . . MULTISPECTRAL BAND CAMERAS  
 . . . PANORAMIC CAMERAS  
 . . . PINHOLE CAMERAS  
 . . . SCHMIDT CAMERAS  
 . . . STREAK CAMERAS  
 . . . TELEVISION CAMERAS

RT CAMERA SHUTTERS  
 CAMERA TUBES  
 CINEMATOGRAPHY  
 FOCUSING  
 LENSES  
 PHOTOGRAPHY  
 SIM  
 STREAK PHOTOGRAPHY  
 ULTRAVIOLET PHOTOGRAPHY  
 UNDERWATER PHOTOGRAPHY  
 WIDE ANGLE LENSES

**CAMEROON**

GS NATIONS  
 . CAMEROON  
 RT AFRICA

**CAMOUFLAGE**

RT AIR DEFENSE  
 COVERINGS

**CAMPBELL-HAUSDORFF SERIES**

GS ANALYSIS (MATHEMATICS)  
 . CALCULUS  
 . . SERIES (MATHEMATICS)  
 . . . CAMPBELL-HAUSDORFF SERIES  
 . . . REAL VARIABLES  
 . . . SERIES (MATHEMATICS)  
 . . . . CAMPBELL-HAUSDORFF SERIES

**CAMPHOR**

GS KETONES  
 . CAMPHOR  
 TERPENES  
 . CAMPHOR

**CAMS**

GS POSITIONING DEVICES (MACHINERY)  
 . CAMS  
 RT ACTUATORS  
 ECCENTRICS  
 INTERNAL COMBUSTION ENGINES  
 LINKAGES  
 MECHANICAL DEVICES

**CANADA**

GS NATIONS  
 . CANADA  
 . . ALBERTA  
 . . . BRITISH COLUMBIA  
 . . . MANITOBA  
 . . . NEW BRUNSWICK  
 . . . NEWFOUNDLAND  
 . . . NORTHWEST TERRITORIES  
 . . . NOVA SCOTIA  
 . . . ONTARIO  
 . . . PRINCE EDWARD ISLAND  
 . . . QUEBEC  
 . . . SASKATCHEWAN  
 . . . YUKON TERRITORY  
 RT ANIK 1  
 ANIK 2  
 ANIK 3  
 BEAUFORT SEA (NORTH AMERICA)  
 CANADIAN SPACE PROGRAM  
 CANADIAN SPACECRAFT  
 COMMUNICATIONS TECHNOLOGY  
 SATELLITE  
 GREAT LAKES (NORTH AMERICA)  
 GREAT PLAINS CORRIDOR (NORTH  
 AMERICA)  
 HUDSON BAY (CANADA)  
 INTERNATIONAL FIELD YEAR FOR  
 GREAT LAKES  
 INTERNATIONAL HYDROLOGICAL  
 DECADE  
 LABRADOR  
 LAKE CHAMPLAIN BASIN (NY-VT)  
 NORTH AMERICA  
 PACIFIC NORTHWEST (US)  
 ROCKY MOUNTAINS (NORTH AMERICA)  
 ST LAWRENCE VALLEY (NORTH  
 AMERICA)  
 WILLISTON BASIN (NORTH AMERICA)

**CANADAIR AIRCRAFT**

UF CANADAIR CF-104 AIRCRAFT  
 CF-104 AIRCRAFT  
 GS CANADAIR AIRCRAFT  
 . CL-41 AIRCRAFT  
 . CL-44 AIRCRAFT  
 . CL-84 AIRCRAFT  
 . CL-600 CHALLENGER AIRCRAFT  
 RT ∞ AIRCRAFT  
 GENERAL DYNAMICS AIRCRAFT

**CANADAIR CF-104 AIRCRAFT**

USE CANADAIR AIRCRAFT  
 F-104 AIRCRAFT

**CANADAIR CL-41 AIRCRAFT**

USE CL-41 AIRCRAFT

**CANADAIR CL-44 AIRCRAFT**

USE CL-44 AIRCRAFT

**CANADAIR CL-84 AIRCRAFT**

USE CL-84 AIRCRAFT

**CANADIAN SHIELD**

RT GEOLOGY

## CANADIAN SPACE PROGRAM

### CANADIAN SHIELD-(CONT.)

METEORITE CRATERS  
PRECAMBRIAN PERIOD

### CANADIAN SPACE PROGRAM

GS PROGRAMS  
SPACE PROGRAMS  
CANADIAN SPACE PROGRAM  
ALOUETTE PROJECT  
RT AEROSPACE TECHNOLOGY TRANSFER  
ANIK SATELLITES  
ANIK 1  
ANIK 2  
ANIK 3  
CANADA  
CANADIAN SPACECRAFT  
COMMUNICATIONS TECHNOLOGY  
SATELLITE  
NASA PROGRAMS  
RADARSAT  
SCIENTIFIC SATELLITES  
SYNCHRONOUS SATELLITES  
TECHNOLOGY ASSESSMENT  
TECHNOLOGY UTILIZATION

### CANADIAN SPACECRAFT

GS CANADIAN SPACECRAFT  
ALOUETTE SATELLITES  
ALOUETTE B SATELLITE  
ALOUETTE 1 SATELLITE  
ALOUETTE 2 SATELLITE  
ANIK SATELLITES  
ANIK 1  
ANIK 2  
ANIK 3  
RADARSAT  
RT CANADA  
CANADIAN SPACE PROGRAM  
SPACECRAFT

### CANALS

GS LANDFORMS  
CANALS  
WATERWAYS  
CANALS  
RT DITCHES  
FLOOD CONTROL  
FLUID FLOW  
GATES (OPENINGS)  
GREAT LAKES (NORTH AMERICA)  
IRRIGATION  
MARS SURFACE  
MATERIALS HANDLING  
PANAMA  
SEEPAGE  
STRAITS  
TROUGH  
WATER FLOW

### CANARD CONFIGURATIONS

RT AERODYNAMIC CONFIGURATIONS  
AIRCRAFT STRUCTURES  
CONFIGURATIONS  
CONTROL SURFACES  
SAAB 37 AIRCRAFT  
TANDEM WING AIRCRAFT

### CANARY ISLANDS

GS LANDFORMS  
ISLANDS  
CANARY ISLANDS  
NATIONS  
SPAIN  
CANARY ISLANDS

### CANBERRA AIRCRAFT

UF ENGLISH ELECTRIC CANBERRA  
AIRCRAFT  
GS BAC AIRCRAFT  
CANBERRA AIRCRAFT  
JET AIRCRAFT  
CANBERRA AIRCRAFT  
MONOPLANES  
CANBERRA AIRCRAFT  
RT AIRCRAFT  
B-57 AIRCRAFT

### CANBERRA BOMBER

USE B-57 AIRCRAFT

### CANCELLATION

RT CONTRACTS  
ELIMINATION  
REMOVAL  
STOPPING

### CANCELLATION CIRCUITS

GS CIRCUITS  
CANCELLATION CIRCUITS  
RT DISPLAY DEVICES  
MOVING TARGET INDICATORS  
PULSE DOPPLER RADAR  
RADAR

### CANCER

UF CARCINOMA  
SARCOMA  
GS DISEASES  
TUMORS  
NEOPLASMS  
CANCER  
LEUKEMIAS  
RT BONE MARROW  
CARCINOGENS  
CELLS (BIOLOGY)  
RADIATION THERAPY  
TISSUES (BIOLOGY)  
ULCERS

### CANISTERS

USE CANS

### CANNING

GS FOOD PROCESSING  
CANNING  
RT ENCAPSULATING  
FOOD

### CANNONball 2 SATELLITE

GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
CANNONBALL 2 SATELLITE

### CANNONS

USE GUNS (ORDNANCE)

### CANNULAE

RT TUBES

### CANONICAL FORMS

GS ALGEBRA  
VECTOR SPACES  
MATRICES (MATHEMATICS)  
CANONICAL FORMS  
RT FIBERS (MATHEMATICS)

### CANOPIES

RT AIRCRAFT STRUCTURES  
AIRFRAMES  
COCKPITS  
FAIRINGS  
WINDSHIELDS

### CANOPIES (VEGETATION)

GS VEGETATION  
CANOPIES (VEGETATION)  
RT FOLIAGE  
FORESTS  
GRASSES  
LEAF AREA INDEX  
LEAVES  
PLANTS (BOTANY)  
RAIN FORESTS  
SOD  
TREES (PLANTS)  
VEGETATIVE INDEX

### CANS

UF CANISTERS  
RT CONTAINERS  
DRUMS (CONTAINERS)

### CANT

USE SLOPES

### CANTILEVER BEAMS

GS CANTILEVER MEMBERS  
CANTILEVER BEAMS  
STRUCTURAL MEMBERS  
BEAMS (SUPPORTS)  
CANTILEVER BEAMS  
RT BOX BEAMS  
I BEAMS

### CANTILEVER MEMBERS

GS CANTILEVER MEMBERS  
CANTILEVER BEAMS  
CANTILEVER PLATES  
RT LEVERS

### CANTILEVER PLATES

GS CANTILEVER MEMBERS  
CANTILEVER PLATES  
STRUCTURAL MEMBERS  
PLATES (STRUCTURAL MEMBERS)  
CANTILEVER PLATES  
RT ANISOTROPIC PLATES

### CANTILEVER WINGS

USE WINGS

### CANYONS

UF COULEES  
GORGES  
GS LANDFORMS  
CANYONS  
GRAND CANYON (AZ)  
RT ARROYOS  
CLIFFS  
FANS (LANDFORMS)  
RAVINES  
RIVERS  
VALLEYS  
WATER EROSION

### CAP CLOUDS

UF OROGRAPHIC CLOUDS  
GS CLOUDS (METEOROLOGY)  
CAP CLOUDS  
RT ATMOSPHERIC MOISTURE  
CLIMATOLOGY  
CLOUD COVER  
METEOROLOGY  
NEPHANALYSIS  
PRECIPITATION (METEOROLOGY)  
WEATHER

### CAPACITANCE

GS ELECTRICAL PROPERTIES  
CAPACITANCE  
RT CAPACITANCE-VOLTAGE  
CHARACTERISTICS  
CAPACITORS  
CAPACITY  
DIELECTRIC PROPERTIES  
ELECTRIC CHARGE  
ELECTRICAL IMPEDANCE  
ELECTROSTATIC CHARGE  
INDUCTANCE  
OPEN CIRCUIT VOLTAGE  
RC CIRCUITS  
REACTANCE  
RLC CIRCUITS

### CAPACITANCE SWITCHES

GS SWITCHES  
CAPACITANCE SWITCHES  
RT CAPACITORS  
DIELECTRICS  
RLC CIRCUITS  
SWITCHING CIRCUITS

### CAPACITANCE-VOLTAGE CHARACTERISTICS

GS ELECTRICAL PROPERTIES  
CAPACITANCE-VOLTAGE  
CHARACTERISTICS  
RT CAPACITANCE  
CHARACTERISTICS  
ELECTRIC POTENTIAL  
METAL OXIDE SEMICONDUCTORS  
VOLT-AMPERE CHARACTERISTICS

### CAPACITIVE FUEL GAGES

GS MEASURING INSTRUMENTS  
FUEL GAGES  
CAPACITIVE FUEL GAGES  
RT DIELECTRICS

### CAPACITORS

RT AMPLIFIERS  
BALLASTS (IMPEDANCES)  
CAPACITANCE  
CAPACITANCE SWITCHES  
CIRCUIT PROTECTION  
CIRCUITS  
CONDENSERS  
DIELECTRICS  
ELECTRETS  
ELECTRIC BRIDGES  
ELECTRIC ENERGY STORAGE  
ELECTRIC FILTERS  
ELECTRIC REACTORS  
ENERGY STORAGE  
GERDIEN CONDENSERS  
PARALLEL PLATES

**CAPACITORS-(CONT.)**

SOLID STATE DEVICES

**∞ CAPACITY**

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT CAPACITANCE  
CHANNEL CAPACITY  
OUTPUT  
PRODUCTION ENGINEERING  
RISK  
VOLUME

**CAPE HATTERAS (NC)**

- GS LANDFORMS  
CAPE (LANDFORMS)  
CAPE HATTERAS (NC)
- RT ATLANTIC OCEAN  
NORTH CAROLINA

**CAPE KENNEDY LAUNCH COMPLEX**

- GS LAUNCHING BASES  
CAPE KENNEDY LAUNCH COMPLEX
- RT GROUND SUPPORT EQUIPMENT

**CAPE VERDE**

- GS NATIONS  
CAPE VERDE
- RT AFRICA  
ATLANTIC OCEAN  
ISLANDS

**CAPIES (LANDFORMS)**

- GS LANDFORMS  
CAPIES (LANDFORMS)  
CAPE HATTERAS (NC)
- RT LAND

**∞ CAPILLARIES**

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT CAPILLARIES (ANATOMY)  
CAPILLARY TUBES

**CAPILLARIES (ANATOMY)**

- GS ANATOMY  
CIRCULATORY SYSTEM  
CARDIOVASCULAR SYSTEM  
BLOOD VESSELS  
CAPILLARIES (ANATOMY)  
GLOMERULUS
- RT BLOOD  
∞ CAPILLARIES

**CAPILLARY CIRCULATION**

USE CAPILLARY FLOW

**CAPILLARY FLOW**

- UF CAPILLARY CIRCULATION
- GS FLUID FLOW  
CAPILLARY FLOW
- RT BLOOD FLOW  
LAMINAR FLOW

**CAPILLARY TUBES**

- RT ∞ CAPILLARIES  
TUBES

**CAPILLARY WAVES**

- GS ELASTIC WAVES  
CAPILLARY WAVES  
GRAVITY WAVES  
BAROCLINIC WAVES  
RIPPLES  
SURFACE WAVES  
CAPILLARY WAVES  
GRAVITY WAVES  
BAROCLINIC WAVES  
RIPPLES
- RT INTERFACIAL TENSION  
TWO DIMENSIONAL FLOW  
WATER WAVES

**∞ CAPS**

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT CAPS (EXPLOSIVES)  
COVERINGS  
NOSE CONES  
POLAR CAPS  
SEALS (STOPPERS)

**CAPS-(CONT.)**

SPHERICAL CAPS

**CAPS (EXPLOSIVES)**

- GS EXPLOSIVE DEVICES  
INITIATORS (EXPLOSIVES)  
CAPS (EXPLOSIVES)  
IGNITERS  
INITIATORS (EXPLOSIVES)  
CAPS (EXPLOSIVES)
- RT ∞ CAPS  
DETONATORS  
EXPLODING WIRES  
FUSES (ORDNANCE)  
PRIMERS (EXPLOSIVES)

**∞ CAPSULES**

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT ∞ BUCKETS  
CONTAINERS  
FUEL CAPSULES  
SHELLS (STRUCTURAL FORMS)  
SPACE CAPSULES  
TABLETS  
TEST CHAMBERS  
∞ TEST EQUIPMENT  
TEST VEHICLES  
∞ VESSELS

**CAPSULES (SPACECRAFT)**

USE SPACE CAPSULES

**CAPTIVE TESTS**

- GS CAPTIVE TESTS  
STATIC TESTS  
STATIC FIRING
- RT ENGINE TESTS  
GROUND TESTS  
MISSILE TESTS  
PREFIRING TESTS  
PRELAUNCH TESTS  
∞ TESTS

**CAPTURE CROSS SECTIONS**

USE ABSORPTION CROSS SECTIONS

**CAPTURE EFFECT**

- RT ABSORPTANCE  
∞ ABSORPTION  
∞ EFFECTS  
ELECTRON CAPTURE  
FREQUENCY MODULATION  
FREQUENCY SYNCHRONIZATION  
NUCLEAR CAPTURE  
RECOMBINATION REACTIONS  
TRAJECTORY ANALYSIS

**CAPTURED AIR BUBBLE VEHICLES**

- GS SURFACE VEHICLES  
CAPTURED AIR BUBBLE VEHICLES  
WATER VEHICLES  
CAPTURED AIR BUBBLE VEHICLES
- RT HYDROFOIL CRAFT  
SURFACE EFFECT SHIPS  
SWATH (SHIP)  
∞ VEHICLES

**CARAVELLE AIRCRAFT**

USE SE-210 AIRCRAFT

**CARBAMATES (TRADENAME)**

- GS ESTERS  
CARBAMATES (TRADENAME)  
URETHANES

**CARBAMIDES**

- GS NITROGEN COMPOUNDS  
AMIDES  
CARBAMIDES

**CARBAZOLES**

- GS ORGANIC COMPOUNDS  
CYCLIC COMPOUNDS  
HETEROCYCLIC COMPOUNDS  
AZOLES  
PYRROLES  
CARBAZOLES

**CARBENES**

RT FREE RADICALS

**CARBIDES**

- GS CARBON COMPOUNDS  
CARBIDES  
ALUMINUM CARBIDES  
BORON CARBIDES  
CEMENTITE  
CHROMIUM CARBIDES  
HAFNIUM CARBIDES  
MOLYBDENUM CARBIDES  
NIOBIUM CARBIDES  
SILICON CARBIDES  
TANTALUM CARBIDES  
TITANIUM CARBIDES  
TUNGSTEN CARBIDES  
URANIUM CARBIDES  
VANADIUM CARBIDES  
ZIRCONIUM CARBIDES
- RT CERAMIC NUCLEAR FUELS  
REFRACTORY MATERIALS

**CARBOHYDRATE METABOLISM**

- GS METABOLISM  
CARBOHYDRATE METABOLISM  
HYPERGLYCEMIA  
HYPOGLYCEMIA
- RT CORTISONE  
DIABETES MELLITUS  
HYDROGEN METABOLISM

**CARBOHYDRATES**

- UF SACCHARIDES
- GS ORGANIC COMPOUNDS  
CARBOHYDRATES  
CITRIC ACID  
GLUCOSIDES  
NUCLEOSIDES  
ADENINES  
GUANOSINES  
POLYSACCHARIDES  
CELLULOSE  
FORTISAN (TRADEMARK)  
CHITIN  
DEXTRANS  
GLYCOGENS  
STARCHES  
SUGARS  
DEXTRANS  
INOSITOLS  
LACTOSE  
MANNITOL  
MONOSACCHARIDES  
HEXOSES  
GALACTOSE  
GLUCOSE  
PENTOSE  
RIBOSE  
XYLOSE  
SUCROSE
- RT ALCOHOLS  
ETHYL ALCOHOL  
∞ FOOD  
GLYCEROLS  
∞ NUTRIENTS  
OPTICAL ACTIVITY  
∞ OXYGEN COMPOUNDS  
PHOTOSYNTHESIS  
STEREOCHEMISTRY  
SYNTHETIC FOOD

**CARBON**

- GS CHEMICAL ELEMENTS  
CARBON  
CARBON ISOTOPES  
CARBON 12  
CARBON 13  
CARBON 14
- RT ACTIVATED CARBON  
BITUMENS  
CHARCOAL  
COKE  
DECARBURIZATION  
DIAMONDS  
GLASSY CARBON  
GRAPHITE  
SOOT

**CARBON ARCS**

- GS ELECTRIC CURRENT  
ELECTRIC DISCHARGES  
ELECTRIC ARCS  
CARBON ARCS
- RT ARC LAMPS  
IMAGE FURNACES

## CARBON COMPOUNDS

### CARBON COMPOUNDS

- SN (RESTRICTED TO INORGANIC COMPOUNDS)
- GS **CARBON COMPOUNDS**
  - . CARBIDES
    - . ALUMINUM CARBIDES
    - . BORON CARBIDES
    - . CEMENTITE
    - . CHROMIUM CARBIDES
    - . HAFNIUM CARBIDES
    - . MOLYBDENUM CARBIDES
    - . NIOBIUM CARBIDES
    - . SILICON CARBIDES
    - . TANTALUM CARBIDES
    - . TITANIUM CARBIDES
    - . TUNGSTEN CARBIDES
    - . URANIUM CARBIDES
    - . VANADIUM CARBIDES
    - . ZIRCONIUM CARBIDES
  - . CARBON DIOXIDE
  - . CARBON DISULFIDE
  - . CARBON MONOXIDE
  - . CARBON SUBOXIDES
  - . CARBON TETRACHLORIDE
  - . CARBON TETRAFLUORIDE
  - . CARBONATES
    - . BASTNASITE
    - . CALCIUM CARBONATES
    - . AKERMANITE
    - . ARAGONITE
    - . CALCITE
    - . CHALK
    - . DOLOMITE (MINERAL)
    - . POLYCARBONATES
    - . LEXAN (TRADEMARK)
    - . SIDERITES
    - . SODIUM CARBONATES
    - . TETRAETHYL ORTHOCARBONATES
  - . HALOCARBONS
    - . CHLOROCARBONS
    - . FLUOROCARBONS
- RT CARBONACEOUS MATERIALS
- ∞ CHEMICAL COMPOUNDS
- ∞ GROUP 4A COMPOUNDS
- HYDROCARBONS
- SWAN BANDS

### CARBON CYCLE

- GS CYCLES
  - . **CARBON CYCLE**
- RT ANIMALS
- ∞ BIOLOGY
- BIOMASS
- ECOLOGY
- ORGANISMS
- PLANTS (BOTANY)
- VIABILITY

### CARBON DIOXIDE

- GS CARBON COMPOUNDS
  - . **CARBON DIOXIDE**
  - . CHALCOGENIDES
    - . OXIDES
    - . DIOXIDES
  - . . . **CARBON DIOXIDE**
  - . GASES
    - . **CARBON DIOXIDE**
- RT CHLORELLA
- METABOLIC WASTES
- SYNTHANE

### CARBON DIOXIDE CONCENTRATION

- GS COMPOSITION (PROPERTY)
  - . CHEMICAL COMPOSITION
  - . **CARBON DIOXIDE CONCENTRATION**
  - . CONCENTRATION (COMPOSITION)
  - . **CARBON DIOXIDE CONCENTRATION**
  - . GAS COMPOSITION
  - . **CARBON DIOXIDE CONCENTRATION**
- RT AIR PURIFICATION
- ATMOSPHERIC COMPOSITION
- CLIMATE CHANGE
- DECONTAMINATION
- REBREATHING
- SPACECRAFT CABIN ATMOSPHERES

### CARBON DIOXIDE LASERS

- GS STIMULATED EMISSION DEVICES
  - . LASERS
  - . GAS LASERS
  - . . . **CARBON DIOXIDE LASERS**
- RT CHEMICAL LASERS
- CONTINUOUS WAVE LASERS
- GAS MASERS
- INFRARED LASERS

### CARBON DIOXIDE LASERS-(CONT.)

- MACH-ZEHNDER INTERFEROMETERS
- MOLECULAR OSCILLATIONS
- ORGANIC LASERS
- POLAR GASES
- POWER TRANSMISSION (LASERS)
- PULSED LASERS
- Q SWITCHED LASERS
- STIMULATED EMISSION
- TEA LASERS
- WAVEGUIDE LASERS

### CARBON DIOXIDE REMOVAL

- RT AIR PURIFICATION
- DECONTAMINATION
- REBREATHING
- REMOVAL
- SMOKE ABATEMENT

### CARBON DIOXIDE TENSION

- GS **CARBON DIOXIDE TENSION**
  - . HYPERCAPNIA
  - . HYPOCAPNIA

### CARBON DISULFIDE

- GS CARBON COMPOUNDS
  - . **CARBON DISULFIDE**
  - . CHALCOGENIDES
    - . SULFIDES
    - . . . DISULFIDES
    - . . . **CARBON DISULFIDE**
  - . SULFUR COMPOUNDS
    - . SULFIDES
    - . DISULFIDES
    - . . . **CARBON DISULFIDE**

### CARBON FIBER REINFORCED PLASTICS

- UF CFRP
- GS COMPOSITE MATERIALS
  - . FIBER COMPOSITES
  - . **CARBON FIBER REINFORCED PLASTICS**
  - . POLYMER MATRIX COMPOSITES
  - . REINFORCED PLASTICS
  - . **CARBON FIBER REINFORCED PLASTICS**
- RT FIBERS
- GRAPHITE-EPOXY COMPOSITES
- LAY-UP
- PEEK
- REINFORCING FIBERS
- SUPERHYBRID MATERIALS

### CARBON FIBERS

- GS FIBERS
  - . REINFORCING FIBERS
  - . **CARBON FIBERS**
- RT BORON FIBERS
- COMPOSITE MATERIALS
- FIBER COMPOSITES
- FIBER RELEASE
- ∞ FILAMENTS

### CARBON ISOTOPES

- GS CHEMICAL ELEMENTS
  - . CARBON
  - . . . **CARBON ISOTOPES**
  - . . . CARBON 12
  - . . . CARBON 13
  - . . . CARBON 14
  - . NUCLIDES
  - . ISOTOPES
  - . . . **CARBON ISOTOPES**
  - . . . CARBON 12
  - . . . CARBON 13
  - . . . CARBON 14

### CARBON LASERS

- GS STIMULATED EMISSION DEVICES
  - . LASERS
  - . **CARBON LASERS**
- RT CHEMICAL LASERS
- GAS LASERS
- INFRARED LASERS
- LIQUID LASERS
- ORGANIC LASERS
- STIMULATED EMISSION

### CARBON MONOXIDE

- GS CARBON COMPOUNDS
  - . **CARBON MONOXIDE**

### CARBON MONOXIDE-(CONT.)

- CHALCOGENIDES
  - . OXIDES
  - . . . **CARBON MONOXIDE**
- GASES
  - . **CARBON MONOXIDE**
- RT HOPCALITE (TRADEMARK)
- SMOG
- SYNTHANE

### CARBON MONOXIDE LASERS

- GS STIMULATED EMISSION DEVICES
  - . LASERS
  - . GAS LASERS
  - . . . **CARBON MONOXIDE LASERS**
- RT CHEMICAL LASERS
- CONTINUOUS WAVE LASERS
- INFRARED LASERS
- MOLECULAR OSCILLATIONS
- POWER TRANSMISSION (LASERS)
- STIMULATED EMISSION
- TEA LASERS

### CARBON MONOXIDE POISONING

- GS DISEASES
  - . TOXIC DISEASES
  - . . . **CARBON MONOXIDE POISONING**
  - . TOXICITY
  - . **CARBON MONOXIDE POISONING**
- RT CARBOXYHEMOGLOBIN
- LETHALITY
- OCCUPATIONAL DISEASES
- PATHOLOGICAL EFFECTS
- ∞ POISONING

### CARBON STARS

- UF C STARS
- GS CELESTIAL BODIES
  - . STARS
  - . . . GIANT STARS
  - . . . RED GIANT STARS
  - . . . **CARBON STARS**
  - . . . LATE STARS
  - . . . COOL STARS
  - . . . **CARBON STARS**
- RT ASYMPTOTIC GIANT BRANCH STARS
- IRREGULAR VARIABLE STARS
- MIRA VARIABLES
- R CORONAE BOREALIS STARS
- STELLAR COMPOSITION
- SUBGIANT STARS
- WOLF-RAYET STARS

### CARBON STEELS

- GS ALLOYS
  - . IRON ALLOYS
  - . . . STEELS
  - . . . **CARBON STEELS**
  - . . . LOW CARBON STEELS
- RT HIGH STRENGTH STEELS

### CARBON SUBOXIDES

- GS CARBON COMPOUNDS
  - . **CARBON SUBOXIDES**
  - . CHALCOGENIDES
    - . OXIDES
    - . . . **CARBON SUBOXIDES**
  - . GASES
    - . **CARBON SUBOXIDES**
- RT ∞ OXYGEN COMPOUNDS

### CARBON TETRACHLORIDE

- UF TETRACHLOROMETHANE
- GS CARBON COMPOUNDS
  - . **CARBON TETRACHLORIDE**
  - . HALOGEN COMPOUNDS
  - . CHLORINE COMPOUNDS
  - . . . CHLORIDES
  - . . . **CARBON TETRACHLORIDE**
  - . HALIDES
  - . . . CHLORIDES
  - . . . **CARBON TETRACHLORIDE**

### CARBON TETRACHLORIDE POISONING

- RT INDUSTRIAL SAFETY
- ∞ POISONING
- TOXICITY AND SAFETY HAZARD
- TOXICOLOGY

### CARBON TETRAFLUORIDE

- GS CARBON COMPOUNDS
  - . **CARBON TETRAFLUORIDE**
  - . HALOGEN COMPOUNDS
  - . FLUORINE COMPOUNDS
  - . . . FLUORO COMPOUNDS

**CARBON TETRAFLUORIDE-(CONT.)**

... FLUORINE ORGANIC COMPOUNDS  
 ... FLUOROHYDROCARBONS  
 ... **CARBON TETRAFLUORIDE**  
 ORGANIC COMPOUNDS  
 ... FLUORINE ORGANIC COMPOUNDS  
 ... FLUOROHYDROCARBONS  
 ... **CARBON TETRAFLUORIDE**

**CARBON 12**

GS CHEMICAL ELEMENTS  
 . CARBON  
 . CARBON ISOTOPES  
 . **CARBON 12**  
 . NUCLIDES  
 . ISOTOPES  
 . CARBON ISOTOPES  
 . **CARBON 12**

**CARBON 13**

GS CHEMICAL ELEMENTS  
 . CARBON  
 . CARBON ISOTOPES  
 . **CARBON 13**  
 . NUCLIDES  
 . ISOTOPES  
 . CARBON ISOTOPES  
 . **CARBON 13**

**CARBON 14**

GS CHEMICAL ELEMENTS  
 . CARBON  
 . CARBON ISOTOPES  
 . **CARBON 14**  
 . NUCLIDES  
 . ISOTOPES  
 . CARBON ISOTOPES  
 . **CARBON 14**  
 . RADIOACTIVE ISOTOPES  
 . **CARBON 14**

**CARBON-CARBON COMPOSITES**

GS COMPOSITE MATERIALS  
 . **CARBON-CARBON COMPOSITES**  
 RT FIBER COMPOSITES  
 FRACTURE STRENGTH  
 REINFORCING FIBERS  
 THERMAL PROTECTION  
 THERMAL RESISTANCE

**CARBONACEOUS CHONDRITES**

GS CELESTIAL BODIES  
 . METEORITES  
 . STONY METEORITES  
 . CHONDRITES  
 . **CARBONACEOUS CHONDRITES**  
 . ALLENDE METEORITE  
 . MURCHISON METEORITE

**CARBONACEOUS MATERIALS**

GS **CARBONACEOUS MATERIALS**  
 . GRAPHITE  
 . PYROLYTIC GRAPHITE  
 . PEAT  
 RT CARBON COMPOUNDS  
 COAL  
 CRUDE OIL  
 FOSSIL FUELS  
 LIGNITE  
 ∞ MATERIALS  
 ORGANIC MATERIALS  
 SOLVENT REFINED COAL

**CARBONACEOUS METEORITES**

GS CELESTIAL BODIES  
 . METEORITES  
 . STONY METEORITES  
 . CHONDRITES  
 . **CARBONACEOUS METEORITES**  
 . ALAIS METEORITE  
 . COLD BOKKEVELD METEORITE  
 . IVUNA METEORITE  
 . MURRAY METEORITE  
 . ORGUEIL METEORITE  
 . TONK METEORITE  
 RT EXOBIOLOGY  
 METEORITIC COMPOSITION

**CARBONACEOUS ROCKS**

GS ROCKS  
 . SEDIMENTARY ROCKS  
 . **CARBONACEOUS ROCKS**  
 . COAL  
 . ANTHRACITE  
 . LIGNITE

**CARBONACEOUS ROCKS-(CONT.)**

RT CARBONATES  
 REGOLITH  
 SHATTER CONES  
 SOILS

**CARBONATES**

UF BICARBONATES  
 GS CARBON COMPOUNDS  
 . **CARBONATES**  
 . BASTNASITE  
 . CALCIUM CARBONATES  
 . AKERMANITE  
 . ARAGONITE  
 . CALCITE  
 . CHALK  
 . DOLOMITE (MINERAL)  
 . POLYCARBONATES  
 . LEXAN (TRADEMARK)  
 . SIDERITES  
 . SODIUM CARBONATES  
 . TETRAETHYL ORTHOCARBONATES  
 RT ALKALIES  
 CARBONACEOUS ROCKS  
 CARBONIC ACID  
 ∞ OXYGEN COMPOUNDS

**CARBONIC ACID**

GS ACIDS  
 . **CARBONIC ACID**  
 RT CARBONATES

**CARBONIC ANHYDRASE**

GS BIOPOLYMERS  
 . PROTEINS  
 . ENZYMES  
 . **CARBONIC ANHYDRASE**  
 ORGANIC COMPOUNDS  
 . PROTEINS  
 . ENZYMES  
 . **CARBONIC ANHYDRASE**  
 RT ACETAZOLAMIDE

**CARBONIZATION**

GS CHEMICAL REACTIONS  
 . **CARBONIZATION**  
 RT CHARRING  
 DECARBONATION

**CARBONYL COMPOUNDS**

RT ∞ CHEMICAL COMPOUNDS

**CARBORANE**

GS BORON COMPOUNDS  
 . BORON HYDRIDES  
 . BORANES  
 . **CARBORANE**  
 HYDROGEN COMPOUNDS  
 . HYDRIDES  
 . BORON HYDRIDES  
 . BORANES  
 . **CARBORANE**

**CARBORUNDUM (TRADEMARK)**

RT ABRASIVES  
 REFRACTORY MATERIALS  
 SILICON CARBIDES

**CARBOXYHEMOGLOBIN**

GS BIOPOLYMERS  
 . PROTEINS  
 . HEMOGLOBIN  
 . **CARBOXYHEMOGLOBIN**  
 CIRCULATION  
 . **CARBOXYHEMOGLOBIN**  
 ORGANIC COMPOUNDS  
 . PROTEINS  
 . HEMOGLOBIN  
 . **CARBOXYHEMOGLOBIN**  
 ORGANOMETALLIC COMPOUNDS  
 . HEMOGLOBIN  
 . **CARBOXYHEMOGLOBIN**  
 RT BLOOD CIRCULATION  
 CARBON MONOXIDE POISONING  
 ERYTHROCYTES

**CARBOXYHEMOGLOBIN TEST**

GS PHYSIOLOGICAL TESTS  
 . **CARBOXYHEMOGLOBIN TEST**  
 RT BLOOD  
 HEMATOLOGY

**CARBOXYL GROUP**

RT CARBOXYLIC ACIDS

**CARBOXYLATES**

GS ESTERS  
 . **CARBOXYLATES**  
 RT CARBOXYLIC ACIDS

**CARBOXYLATION**

GS CHEMICAL REACTIONS  
 . **CARBOXYLATION**  
 RT DECARBOXYLATION

**CARBOXYLIC ACIDS**

GS ACIDS  
 . **CARBOXYLIC ACIDS**  
 . ACRYLIC ACID  
 . ALANINE  
 . ASPARTIC ACID  
 . CITRIC ACID  
 . DICARBOXYLIC ACIDS  
 . FATTY ACIDS  
 . ACETIC ACID  
 . ETHYLENEDIAMINETETRAACETIC ACIDS  
 . IODOACETIC ACID  
 . ACETYL SALICYLIC ACID  
 . BENZILIC ACID  
 . BENZOIC ACID  
 . LIPOIC ACID  
 . OLEIC ACID  
 . PALMITIC ACID  
 . PROPIONIC ACID  
 . SEBACIC ACID  
 . VALERIC ACID  
 . FOLIC ACID  
 . FORMHYDROXAMIC ACID  
 . FORMIC ACID  
 . HEXOGENES (TRADEMARK)  
 . LACTIC ACID  
 . LYSINE  
 . NICOTINIC ACID  
 . OXALIC ACID  
 . OXAMIC ACIDS  
 . TRYPTOPHAN  
 ORGANIC COMPOUNDS  
 . **CARBOXYLIC ACIDS**  
 . ACRYLIC ACID  
 . ALANINE  
 . ASPARTIC ACID  
 . CITRIC ACID  
 . DICARBOXYLIC ACIDS  
 . FATTY ACIDS  
 . ACETIC ACID  
 . ETHYLENEDIAMINETETRAACETIC ACIDS  
 . IODOACETIC ACID  
 . ACETYL SALICYLIC ACID  
 . BENZILIC ACID  
 . BENZOIC ACID  
 . LIPOIC ACID  
 . OLEIC ACID  
 . PALMITIC ACID  
 . PROPIONIC ACID  
 . SEBACIC ACID  
 . VALERIC ACID  
 . FOLIC ACID  
 . FORMHYDROXAMIC ACID  
 . FORMIC ACID  
 . HEXOGENES (TRADEMARK)  
 . LACTIC ACID  
 . LYSINE  
 . NICOTINIC ACID  
 . OXALIC ACID  
 . OXAMIC ACIDS  
 . TRYPTOPHAN  
 RT CARBOXYL GROUP  
 CARBOXYLATES  
 TEREPHTHALATE

**CARBURETORS**

UF INJECTION CARBURETORS  
 RT CHOKES (FUEL SYSTEMS)  
 CONTACTORS  
 ENGINE PARTS  
 ENGINES  
 FUEL INJECTION  
 FUEL SYSTEMS  
 INJECTORS  
 INTERNAL COMBUSTION ENGINES  
 ∞ JET NOZZLES  
 MIXERS  
 PREMIXED FLAMES  
 THROATS

**CARBURIZING**

GS HARDENING (MATERIALS)  
 . **CARBURIZING**



## CARCINOGENS

**CARBURIZING-(CONT.)**  
RT DECARBURIZATION

**CARCINOGENS**  
RT CANCER  
NEOPLASMS

**CARCINOMA**  
USE CANCER

**CARCINOTRONS**  
GS AMPLIFIERS  
    **CARCINOTRONS**  
    ELECTRON TUBES  
    VACUUM TUBES  
    MICROWAVE TUBES  
    TRAVELING WAVE TUBES  
    **CARCINOTRONS**  
    MICROWAVE EQUIPMENT  
    MICROWAVE TUBES  
    TRAVELING WAVE TUBES  
    **CARCINOTRONS**  
RT HELITRONS

**CARDIAC AURICLES**  
GS ANATOMY  
    CIRCULATORY SYSTEM  
    CARDIOVASCULAR SYSTEM  
    HEART  
    **CARDIAC AURICLES**  
RT HIS BUNDLE

**CARDIAC VENTRICLES**  
GS ANATOMY  
    CIRCULATORY SYSTEM  
    CARDIOVASCULAR SYSTEM  
    HEART  
    **CARDIAC VENTRICLES**  
RT DIASTOLIC PRESSURE  
ECHOCARDIOGRAPHY  
HIS BUNDLE  
SYSTOLE

**CARDIOGRAMS**  
RT BIOMEDICAL DATA  
CARDIOGRAPHY  
HEART

**CARDIOGRAPHY**  
GS BIOENGINEERING  
    BIOMETRICS  
    **CARDIOGRAPHY**  
    BALLISTOCARDIOGRAPHY  
    ELECTROCARDIOGRAPHY  
    MAGNETOCARDIOGRAPHY  
    PHONOCARDIOGRAPHY  
    ECHOCARDIOGRAPHY  
    SEISMOCARDIOGRAPHY  
    VECTORCARDIOGRAPHY  
RT CARDIOGRAMS  
CARDIOVASCULAR SYSTEM  
HEART  
HEART DISEASES  
MEDICAL EQUIPMENT  
PHYSIOLOGICAL TESTS

**CARDIOLOGY**  
RT ANGIOGRAPHY  
ARTIFICIAL CARDIAC PACEMAKER  
HEART  
HEART DISEASES  
HEART RATE  
RADIOCARDIOGRAPHY

**CARDIOTACHOMETERS**  
GS MEDICAL EQUIPMENT  
    **CARDIOTACHOMETERS**  
RT HEART

**CARDIOVASCULAR SYSTEM**  
UF VASCULAR SYSTEM  
GS ANATOMY  
    CIRCULATORY SYSTEM  
    **CARDIOVASCULAR SYSTEM**  
    BLOOD VESSELS  
    ARTERIES  
    AORTA  
    CAPILLARIES (ANATOMY)  
    GLOMERULUS  
    VEINS  
    HEART  
    CARDIAC AURICLES  
    CARDIAC VENTRICLES  
    EPICARDIUM

## CARDIOVASCULAR SYSTEM-(CONT.)

RT MYOCARDIUM  
ANGIOGRAPHY  
BLOOD  
BLOOD VOLUME  
CARDIOGRAPHY  
CAROTID SINUS BODY  
CAROTID SINUS REFLEX  
CEREBRAL VASCULAR ACCIDENTS  
DIASTOLE  
FAT EMBOLISMS  
HEART DISEASES  
HEMATOPOIESIS  
HEMATOPOIETIC SYSTEM  
HEMODYNAMICS  
HEMORRHAGES  
LOWER BODY NEGATIVE PRESSURE  
∞ SYSTEMS  
SYSTOLE

**CARDS**  
GS **CARDS**  
    PUNCHED CARDS  
RT COMPUTER STORAGE DEVICES  
DATA STORAGE

**CARET WINGS**  
GS AIRFOILS  
    WINGS  
    **CARET WINGS**  
    PLANFORMS  
RT **CARET WINGS**  
ARROW WINGS  
DELTA WINGS  
WAVERIDERS

**CARETS (TEST SITE)**  
USE CENTRAL ATLANTIC REGIONAL ECOL  
TEST SITE

**CARGO**  
UF FREIGHT  
GS **CARGO**  
    AIR CARGO  
    AIR MAIL  
    BAGGAGE  
RT AIR DROP OPERATIONS  
AIRDROPS  
DELIVERY  
FREIGHT COSTS  
HARBORS  
HAULING  
MATERIALS HANDLING  
RAILROAD HUMMING TESTS  
RAPID TRANSIT SYSTEMS  
TRANSPORTATION  
TRANSPORTATION ENERGY  
TRUCKS

**CARGO AIRCRAFT**  
GS TRANSPORT AIRCRAFT  
    **CARGO AIRCRAFT**  
    BREGUET 941 AIRCRAFT  
    C-1A AIRCRAFT  
    C-2 AIRCRAFT  
    C-5 AIRCRAFT  
    C-9 AIRCRAFT  
    C-46 AIRCRAFT  
    C-47 AIRCRAFT  
    C-54 AIRCRAFT  
    C-118 AIRCRAFT  
    C-119 AIRCRAFT  
    C-121 AIRCRAFT  
    C-123 AIRCRAFT  
    C-124 AIRCRAFT  
    C-130 AIRCRAFT  
    C-131 AIRCRAFT  
    C-133 AIRCRAFT  
    C-135 AIRCRAFT  
    C-140 AIRCRAFT  
    C-141 AIRCRAFT  
    C-160 AIRCRAFT  
    CL-44 AIRCRAFT  
    DC 3 AIRCRAFT  
    DC 7 AIRCRAFT  
    F-27 AIRCRAFT  
    P-160 AIRCRAFT  
    P-166 AIRCRAFT  
    SPANLOADER AIRCRAFT  
    YC-14 AIRCRAFT  
RT AIR CARGO  
∞ AIRCRAFT  
BOEING 727 AIRCRAFT  
BOEING 737 AIRCRAFT  
BOEING 767 AIRCRAFT

## CARGO AIRCRAFT-(CONT.)

COMMERCIAL AIRCRAFT  
HEAVY LIFT HELICOPTERS  
JET AIRCRAFT  
MATERIALS HANDLING  
MERCURE AIRCRAFT  
MH-262 AIRCRAFT  
∞ MILITARY AIRCRAFT  
MONOPLANES  
PASSENGER AIRCRAFT  
SC-7 AIRCRAFT  
SUPERSONIC TRANSPORTS  
T-39 AIRCRAFT  
TU-154 AIRCRAFT  
UTILITY AIRCRAFT  
VC-10 AIRCRAFT

**CARGO SHIPS**  
UF LOTS CARGO SHIPS  
GS SURFACE VEHICLES  
    **CARGO SHIPS**  
    SAVANNAH NUCLEAR SHIP  
    TANKER SHIPS  
    WATER VEHICLES  
    SHIPS  
    **CARGO SHIPS**  
    SAVANNAH NUCLEAR SHIP  
    TANKER SHIPS  
RT ARTIFICIAL HARBORS  
DEEPWATER TERMINALS  
NUCLEAR POWERED SHIPS  
OFFSHORE DOCKING  
OFFSHORE PLATFORMS  
SHIPYARDS  
TANKER TERMINALS  
WHARVES

**CARGO SPACECRAFT**  
RT FERRY SPACECRAFT  
∞ SPACECRAFT

**CARGOMASTER AIRCRAFT**  
USE C-133 AIRCRAFT

**CARIBBEAN REGION**  
RT BAHAMAS  
BARBADOS  
BELIZE  
CUBA  
DEVELOPING NATIONS  
DOMINICAN REPUBLIC  
FRENCH GUIANA  
GUYANA  
HAITI  
JAMAICA  
MARTINIQUE  
SURINAM  
TRINIDAD AND TOBAGO  
VIRGIN ISLANDS  
WEST INDIES

**CARIBBEAN SEA**  
GS SEAS  
    **CARIBBEAN SEA**  
RT BELIZE  
CUBA  
DOMINICAN REPUBLIC  
GULF OF MEXICO  
GULF STREAM  
HAITI  
PANAMA CANAL ZONE  
VIRGIN ISLANDS

**CARIBOU AIRCRAFT**  
USE DHC 4 AIRCRAFT

**CARIBOUS**  
GS ANIMALS  
    VERTEBRATES  
    MAMMALS  
    DEER  
    **CARIBOUS**

**CARNITINE**  
GS ORGANIC COMPOUNDS  
    CYCLIC COMPOUNDS  
    HETEROCYCLIC COMPOUNDS  
    **CARNITINE**  
    VITAMINS  
    **CARNITINE**

**CARNOT CYCLE**  
GS CYCLES  
    THERMODYNAMIC CYCLES

**CARNOT CYCLE-(CONT.)**

GS **CARNOT CYCLE**  
 RT ADIABATIC CONDITIONS  
 RANKINE CYCLE  
 STIRLING CYCLE

**CAROTENE**

GS ORGANIC COMPOUNDS  
 HYDROCARBONS  
 . **CAROTENE**  
 PIGMENTS  
 . **CAROTENE**  
 RT RETINENE  
 SKIN (ANATOMY)

**CAROTID SINUS BODY**

RT ARTERIES  
 BLOOD VESSELS  
 CARDIOVASCULAR SYSTEM  
 CAROTID SINUS REFLEX  
 CHEMORECEPTORS  
 CIRCULATORY SYSTEM  
 NERVES  
 SINUSES

**CAROTID SINUS REFLEX**

GS REFLEXES  
 . **CAROTID SINUS REFLEX**  
 RT ARTERIES  
 BLOOD VESSELS  
 CARDIOVASCULAR SYSTEM  
 CAROTID SINUS BODY  
 CIRCULATORY SYSTEM  
 NERVES  
 SINUSES

**CARPATHIAN MOUNTAINS (EUROPE)**

GS LANDFORMS  
 . MOUNTAINS  
 . **CARPATHIAN MOUNTAINS (EUROPE)**  
 RT EUROPE

**CARRIAGES**

RT CARTS  
 CHASSIS  
 DOLLIES  
 FRAMES  
 LANDING GEAR  
 SUPPORTS  
 UNDERCARRIAGES

**CARRIER DENSITY (SOLID STATE)**

GS DENSITY (NUMBER/VOLUME)  
 . PARTICLE DENSITY (CONCENTRATION)  
 . . ELECTRON DENSITY  
 (CONCENTRATION)  
 . . . **CARRIER DENSITY (SOLID STATE)**  
 RT ACCEPTOR MATERIALS  
 CARRIER LIFETIME  
 CARRIER TRANSPORT (SOLID STATE)  
 ∞ CARRIERS  
 DONOR MATERIALS  
 ELECTRON-HOLE DROPS  
 SEMICONDUCTORS (MATERIALS)  
 ZENER EFFECT

**CARRIER FREQUENCIES**

GS FREQUENCIES  
 . **CARRIER FREQUENCIES**  
 RT CARRIER TO NOISE RATIOS  
 FREQUENCY DIVISION MULTIPLEXING  
 HARMONIC GENERATIONS  
 MODULATION  
 MULTIPLEXING  
 RADIO FREQUENCIES  
 SINGLE CHANNEL PER CARRIER  
 TRANSMISSION  
 SWEEP FREQUENCY  
 UNIFIED S BAND

**CARRIER INJECTION**

GS INJECTION  
 . **CARRIER INJECTION**  
 RT ADDITIVES  
 BARRITT DIODES  
 BIPOLAR TRANSISTORS  
 CARRIER LIFETIME  
 CHARGE CARRIERS  
 CHARGE TRANSFER  
 INJECTION LOCKING  
 ION INJECTION  
 MAJORITY CARRIERS  
 MINORITY CARRIERS  
 RADIATIVE RECOMBINATION  
 SEMICONDUCTORS (MATERIALS)

**CARRIER INJECTION-(CONT.)**

SUHL EFFECT  
 TRAVELING SOLVENT METHOD

**CARRIER LIFETIME**

GS LIFE (DURABILITY)  
 . **CARRIER LIFETIME**  
 RT CARRIER DENSITY (SOLID STATE)  
 CARRIER INJECTION  
 CARRIER MOBILITY  
 CARRIER TRANSPORT (SOLID STATE)  
 CHARGE CARRIERS  
 MINORITY CARRIERS  
 SOLAR CELLS

**CARRIER MOBILITY**

GS ELECTRICAL PROPERTIES  
 . **CARRIER MOBILITY**  
 . . ELECTRON MOBILITY  
 . . HOLE MOBILITY  
 MOBILITY  
 . **CARRIER MOBILITY**  
 . . ELECTRON MOBILITY  
 . . HOLE MOBILITY  
 TRANSPORT PROPERTIES  
 . **CARRIER MOBILITY**  
 . . ELECTRON MOBILITY  
 . . HOLE MOBILITY  
 RT CARRIER LIFETIME  
 ELECTRICAL RESISTIVITY  
 ELECTROMAGNETIC PROPERTIES  
 EXCITONS  
 HALL EFFECT  
 ION IMPLANTATION  
 SUPERCONDUCTORS

**CARRIER MODULATION**

USE MODULATION

**CARRIER ROCKETS**

USE LAUNCH VEHICLES

**CARRIER SYSTEMS**

USE WIRELESS COMMUNICATION

**CARRIER TO NOISE RATIOS**

RT CARRIER FREQUENCIES  
 COMMUNICATION SATELLITES  
 DATA TRANSMISSION  
 DOWNLINKING  
 EARTH TERMINALS  
 FREQUENCY MODULATION  
 SIGNAL TO NOISE RATIOS  
 TRANSMISSION EFFICIENCY  
 UPLINKING

**CARRIER TRANSPORT (SOLID STATE)**

RT CARRIER DENSITY (SOLID STATE)  
 CARRIER LIFETIME  
 DIFFUSION LENGTH  
 ENERGY CONVERSION EFFICIENCY  
 SOLAR CELLS

**CARRIER WAVES**

UF SUBCARRIER WAVES  
 RT MODULATION  
 RADIO SPECTRA

**∞ CARRIERS**

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT AIRCRAFT CARRIERS  
 CARRIER DENSITY (SOLID STATE)  
 CHARGE CARRIERS  
 ZENER EFFECT

**CARRINGTON ROTATION**

USE SOLAR ROTATION

**CARTAN SPACE**

RT COMPRESSIBLE FLOW  
 FLUID FLOW  
 POTENTIAL FLOW  
 ∞ SPACE

**CARTESIAN COORDINATES**

UF RECTANGULAR COORDINATES  
 GS COORDINATES  
 . **CARTESIAN COORDINATES**  
 GEOMETRY  
 . EUCLIDEAN GEOMETRY  
 . . **CARTESIAN COORDINATES**  
 RT CYLINDRICAL COORDINATES

**CASE BONDED PROPELLANTS****CARTESIAN COORDINATES-(CONT.)**  
OBLIQUE COORDINATES**CARTILAGE**

GS ANATOMY  
 . MUSCULOSKELETAL SYSTEM  
 . . CONNECTIVE TISSUE  
 . . . **CARTILAGE**  
 RT BONES  
 LARYNX

**CARTOGRAPHY**

USE MAPPING

**CARTRIDGE ACTUATED DEVICES**

USE ACTUATORS  
 EXPLOSIVE DEVICES

**CARTRIDGES**

RT CASES (CONTAINERS)  
 ∞ CONTAINERS  
 PACKAGES  
 PROJECTILES  
 PROPELLANTS

**CARTS**

RT CARRIAGES  
 MATERIALS HANDLING  
 UNDERCARRIAGES

**CASCADE CONTROL**

UF MULTILoop SYSTEMS  
 GS AUTOMATIC CONTROL  
 . FEEDBACK CONTROL  
 . **CASCADE CONTROL**  
 RT ∞ CASCADES  
 ∞ CONTROL  
 ELECTRONIC CONTROL  
 REMOTE CONTROL

**CASCADE FLOW**

GS FLUID FLOW  
 . **CASCADE FLOW**  
 RT ∞ CASCADES  
 OUTLET FLOW  
 TURBOMACHINE BLADES

**CASCADE RANGE (CA-OR-WA)**

GS LAND  
 . **CASCADE RANGE (CA-OR-WA)**  
 LANDFORMS  
 . MOUNTAINS  
 . . **CASCADE RANGE (CA-OR-WA)**  
 RT CALIFORNIA  
 OREGON  
 UNITED STATES  
 WASHINGTON

**CASCADE WIND TUNNELS**

GS TEST FACILITIES  
 . WIND TUNNELS  
 . . HYPERSONIC WIND TUNNELS  
 . . . **CASCADE WIND TUNNELS**  
 . . HYPERVELOCITY WIND TUNNELS  
 . . . **CASCADE WIND TUNNELS**  
 RT HYPERSONIC FLOW  
 SHOCK TUNNELS

**∞ CASCADES**

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT CASCADE CONTROL  
 CASCADE FLOW  
 CIRCUITS  
 COSMIC RAY SHOWERS  
 ELECTRON PHOTON CASCADES

**CASCADES (FLUID DYNAMICS)**

USE FLUID DYNAMICS

**CASCADE MOSFET**

USE FIELD EFFECT TRANSISTORS

**CASE BONDED PROPELLANTS**

GS PROPELLANTS  
 . SOLID PROPELLANTS  
 . . **CASE BONDED PROPELLANTS**  
 RT AMMUNITION  
 COMPOSITE PROPELLANTS  
 EXPLOSIVES  
 HYBRID PROPELLANTS  
 INHIBITORS  
 PLASTICIZERS

## CASE HISTORIES

### CASE BONDED PROPELLANTS-(CONT.) SOLID ROCKET PROPELLANTS

#### CASE HISTORIES

GS HISTORIES  
**CASE HISTORIES**  
 RT ANTHROPOLOGY  
 BIOGRAPHY  
 CLINICAL MEDICINE  
 DOCUMENTATION  
 ETIOLOGY  
 PHENOMENOLOGY  
 RECORDS  
 SOCIOLOGY

#### CASES (CONTAINERS)

GS **CASES (CONTAINERS)**  
 . ROCKET ENGINE CASES  
 RT BOXES (CONTAINERS)  
 CARTRIDGES  
 ∞ CONTAINERS  
 MISSILE BODIES  
 PACKAGES  
 ∞ SHELVES

#### ∞ CASING

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT COVERINGS  
 ENCLOSURE  
 JACKETS  
 LININGS  
 PIPES (TUBES)  
 SHEATHS

#### CASKS

USE BARRELS (CONTAINERS)

#### CASPIAN SEA

GS SEAS  
 . **CASPIAN SEA**  
 RT COASTS

#### CASSEGRAIN ANTENNAS

GS ANTENNAS  
 . **CASSEGRAIN ANTENNAS**  
 RT ANTENNA DESIGN  
 GREGORIAN ANTENNAS  
 PARABOLIC ANTENNAS  
 REFLECTOR ANTENNAS  
 SUBREFLECTORS  
 TWO REFLECTOR ANTENNAS

#### CASSEGRAIN OPTICS

RT FIBER OPTICS  
 GEOMETRICAL OPTICS  
 MIRRORS  
 ∞ OPTICS  
 REFLECTING TELESCOPES  
 TELESCOPES

#### CASSIOPEIA A

GS CELESTIAL BODIES  
 . NEBULAE  
 . **CASSIOPEIA A**  
 . RADIO SOURCES (ASTRONOMY)  
 . **CASSIOPEIA A**  
 RT ORION NEBULA

#### CASSIOPEIA CONSTELLATION

GS CONSTELLATIONS  
 . **CASSIOPEIA CONSTELLATION**  
 RT CELESTIAL BODIES  
 CELESTIAL SPHERE  
 STARS

#### CAST ALLOYS

GS ALLOYS  
 . **CAST ALLOYS**  
 RT CASTINGS  
 MECHANICAL PROPERTIES  
 MICROSTRUCTURE  
 RHEOCASTING

#### CASTIGLIANO VARIATIONAL THEOREM

GS THEOREMS  
 . **CASTIGLIANO VARIATIONAL THEOREM**  
 RT CALCULUS OF VARIATIONS  
 ENERGY METHODS  
 EULER-LAGRANGE EQUATION  
 STRESS ANALYSIS  
 STRUCTURAL ANALYSIS

#### CASTING

GS FORMING TECHNIQUES  
 . **CASTING**  
 . CENTRIFUGAL CASTING  
 . INVESTMENT CASTING  
 . PROPELLANT CASTING  
 . RHEOCASTING  
 . SAND CASTING  
 . SLIP CASTING  
 RT BAKING  
 BILLETS  
 DIES  
 EXTRUDING  
 FORGING  
 INCLUSIONS  
 INGOTS  
 LIQUID METALS  
 MELTING  
 METAL WORKING  
 ∞ METALLURGY  
 MICROSTRUCTURE  
 MOLDING MATERIALS  
 MOLDS  
 MUSHY ZONES  
 PINHOLES  
 POLYMERIC FILMS  
 POURING  
 PULTRUSION  
 SHRINKAGE  
 SOLIDIFICATION

#### CASTING SOLVENTS

USE PLASTICIZERS

#### CASTINGS

GS **CASTINGS**  
 . INGOTS  
 . PROPELLANT CASTING  
 RT BILLETS  
 CAST ALLOYS  
 DEFECTS  
 DEGASSING  
 FLAT PATTERNS  
 INCLUSIONS  
 MICROSTRUCTURE  
 MOLDS  
 PINHOLES  
 POURING  
 RISERS  
 SOLIDIFICATION

#### CASTOR OIL

GS OILS  
 . **CASTOR OIL**  
 . ORGANIC COMPOUNDS  
 . LIPIDS  
 . **CASTOR OIL**  
 RT FATTY ACIDS

#### CASTOR 2 ENGINE

USE TX-354 ENGINE

#### CASTS

RT DAMAGE ASSESSMENT  
 GAUZE  
 PLASTERS  
 SPLINTS

#### CASUALTIES

RT DEATH  
 DISASTERS  
 EVACUATING (TRANSPORTATION)

#### CAT SCANNER

USE COMPUTER AIDED TOMOGRAPHY

#### CATABOLISM

GS METABOLISM  
 . **CATABOLISM**  
 RT PHYSIOLOGY

#### CATACLYSMIC VARIABLES

GS CELESTIAL BODIES  
 . STARS  
 . . . DOUBLE STARS  
 . . . BINARY STARS  
 . . . **CATACLYSMIC VARIABLES**  
 . . . VARIABLE STARS  
 . . . **CATACLYSMIC VARIABLES**  
 RT DWARF STARS  
 ECLIPSING BINARY STARS  
 FLARE STARS  
 HOT STARS  
 NOVAE

### CATACLYSMIC VARIABLES-(CONT.)

PERIODIC VARIATIONS  
 SOLAR OSCILLATIONS  
 STELLAR FLARES  
 STELLAR MASS EJECTION  
 STELLAR OSCILLATIONS  
 WHITE DWARF STARS

#### CATALASE

GS BIOPOLYMERS  
 . PROTEINS  
 . . ENZYMES  
 . . . **CATALASE**  
 . ORGANIC COMPOUNDS  
 . PROTEINS  
 . ENZYMES  
 . . . **CATALASE**  
 RT CELLS (BIOLOGY)

#### ∞ CATALOGS

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT CATALOGS (PUBLICATIONS)  
 HARDWARE UTILIZATION LISTS  
 INDEXES (DOCUMENTATION)  
 LISTS

#### CATALOGS (PUBLICATIONS)

GS DOCUMENTS  
 . **CATALOGS (PUBLICATIONS)**  
 . . ASTRONOMICAL CATALOGS  
 RT ∞ CATALOGS  
 CATEGORIES  
 DOCUMENTATION  
 INFORMATION DISSEMINATION  
 LIBRARIES

#### CATALYSIS

GS **CATALYSIS**  
 . AUTOCATALYSIS  
 RT ∞ ACCELERATION  
 ACTIVATION  
 CATALYTIC ACTIVITY  
 CRACKING (CHEMICAL ENGINEERING)  
 FISCHER-TROPSCH PROCESS  
 REACTION KINETICS

#### CATALYSTS

GS **CATALYSTS**  
 . ELECTROCATALYSTS  
 . HOPCALITE (TRADEMARK)  
 . ZIEGLER CATALYST  
 RT ACCELERATING AGENTS  
 ADDITIVES  
 ADMIXTURES  
 COAL DERIVED GASES  
 COAL DERIVED LIQUIDS  
 ENZYMES  
 GRIGNARD REACTIONS  
 HIGH ENERGY FUELS  
 INHIBITORS  
 ∞ INITIATORS  
 PLATINUM BLACK  
 PROPELLANT ADDITIVES  
 REAGENTS  
 RETARDANTS

#### CATALYTIC ACTIVITY

RT ACTIVITY (BIOLOGY)  
 AUTOCATALYSIS  
 CATALYSIS  
 CRACKING (CHEMICAL ENGINEERING)  
 FISCHER-TROPSCH PROCESS

#### CATAPULTS

GS LAUNCHERS  
 . **CATAPULTS**  
 . . ROCKET CATAPULTS  
 RT AIRCRAFT LAUNCHING DEVICES  
 MISSILE LAUNCHERS  
 SEA LAUNCHING

#### CATARACTS

GS DISEASES  
 . EYE DISEASES  
 . . **CATARACTS**  
 RT LENSES  
 OCCUPATIONAL DISEASES

#### CATASTROPHE THEORY

RT DISCONTINUITY  
 DIVERGENCE  
 PREDICTIONS

**CATASTROPHE THEORY-(CONT.)**

∞ THEORIES  
TOPOLOGY

**CATCHERS**

RT ELECTRON BUNCHING  
KLYSTRONS  
OUTPUT

**CATCHMENT AREAS**

USE WATERSHEDS

**CATECHOLAMINE**

GS AMINES  
  . CATECHOLAMINE  
  . EPINEPHRINE  
  . . . NOREPINEPHRINE  
RT HORMONES  
NEUROTRANSMITTERS

**CATEGORIES**

RT CATALOGS (PUBLICATIONS)  
CLASSES  
∞ GROUPS  
∞ SECTIONS

**CATENARIES**

GS GEOMETRY  
  . CURVES (GEOMETRY)  
  . . . CATENARIES  
  . EUCLIDEAN GEOMETRY  
  . . . ANALYTIC GEOMETRY  
  . . . CATENARIES

**CATHETERIZATION**

RT BLOOD VESSELS  
INTRAVENOUS PROCEDURES

**CATHETOMETERS**

GS MEASURING INSTRUMENTS  
  . OPTICAL MEASURING INSTRUMENTS  
  . . . CATHETOMETERS  
  OPTICAL EQUIPMENT  
  . OPTICAL MEASURING INSTRUMENTS  
  . . . CATHETOMETERS

**CATHODE GLOW**

GS EMISSION  
  . LIGHT EMISSION  
  . . . LUMINESCENCE  
  . . . CATHODE GLOW  
RT CATHODOLUMINESCENCE  
GLOW DISCHARGES  
RAREFIED PLASMAS

**CATHODE RAY TUBES**

GS ELECTRON TUBES  
  . VACUUM TUBES  
  . . . CATHODE RAY TUBES  
  . . . PICTURE TUBES  
RT DISPLAY DEVICES  
ELECTRON GUNS  
ELECTRON OPTICS  
IMAGE TUBES  
MAGNETIC LENSES  
OSCILLOSCOPES  
PRINTERS  
RASTER SCANNING  
TELEVISION EQUIPMENT  
VIDEO EQUIPMENT

**CATHODES**

GS ELECTRODES  
  . CATHODES  
  . . . CELL CATHODES  
  . . . HOLLOW CATHODES  
  . . . TUBE CATHODES  
  . . . COLD CATHODES  
  . . . HOT CATHODES  
  . . . PHOTOCATHODES  
  . . . THERMIONIC CATHODES  
  . . . TUNNEL CATHODES  
RT ANODES  
COLD CATHODE TUBES  
ELECTRODE MATERIALS  
ELECTRON EMISSION  
∞ FILAMENTS  
FREQUENCY MODULATION  
  . PHOTOMULTIPLIERS  
  . PHOTOMULTIPLIER TUBES  
  . PHOTOTUBES  
  . THERMIONICS  
  . TUBE ANODES

**CATHODIC COATINGS**

GS COATINGS  
  . CATHODIC COATINGS  
RT ANODIC COATINGS  
CLADDING  
ELECTRODE MATERIALS  
ELECTRODEPOSITION  
ELECTROPLATING  
METAL OXIDES  
OXIDE FILMS  
OXIDES  
PLATING

**CATHODOLUMINESCENCE**

GS EMISSION  
  . LIGHT EMISSION  
  . . . LUMINESCENCE  
  . . . CATHODOLUMINESCENCE  
RT CATHODE GLOW  
LIGHT SOURCES  
VISIBLE SPECTRUM

**CATHOLYTES**

GS CONDUCTORS  
  . ELECTROLYTES  
  . . . CATHOLYTES  
RT ANOLYTES  
CELL CATHODES  
DIAPHRAGMS (MECHANICS)

**CATIONS**

GS IONS  
  . POSITIVE IONS  
  . . . CATIONS  
  . . . FORMYL IONS  
  . . . VANADYL RADICAL  
RT ANIONS  
CELL CATHODES  
IONIC MOBILITY  
METAL IONS

**CATS**

GS ANIMALS  
  . VERTEBRATES  
  . . . MAMMALS  
  . . . CATS

**CATT DEVICES**

UF CONTROLLED AVALANCHE TRANSIT  
TIME DEVICES  
RT ELECTRON AVALANCHE  
POWER GAIN  
TRANSIT TIME  
TRIODES

**CATTLE**

GS ANIMALS  
  . VERTEBRATES  
  . . . MAMMALS  
  . . . CATTLE  
  . . . CALVES  
RT GRAZING  
LIVESTOCK  
RANGELANDS

**CAUCASUS MOUNTAINS (U.S.S.R.)**

GS LANDFORMS  
  . MOUNTAINS  
  . . . CAUCASUS MOUNTAINS (U.S.S.R.)  
RT U.S.S.R.

**CAUCHY INTEGRAL FORMULA**

GS ANALYSIS (MATHEMATICS)  
  . COMPLEX VARIABLES  
  . . . CAUCHY INTEGRAL FORMULA

**CAUCHY PROBLEM**

UF RIEMANN PROBLEM  
GS BOUNDARY VALUE PROBLEMS  
  . CAUCHY PROBLEM  
RT DIFFERENTIAL EQUATIONS  
∞ PROBLEMS

**CAUCHY-RIEMANN EQUATIONS**

GS ANALYSIS (MATHEMATICS)  
  . REAL VARIABLES  
  . . . DIFFERENTIAL EQUATIONS  
  . . . PARTIAL DIFFERENTIAL EQUATIONS  
  . . . . CAUCHY-RIEMANN EQUATIONS  
RT ANALYTIC FUNCTIONS  
∞ EQUATIONS

**CAULKING**

RT MOISTURE RESISTANCE

**CAULKING-(CONT.)**

PLUGGING  
SEALING  
WATERPROOFING

**CAUSES**

RT ∞ EFFECTS  
ETIOLOGY  
∞ ORIGINS  
∞ SOURCES

**CAUSTIC LINES**

RT FLIGHT PATHS  
SHOCK WAVES  
SONIC BOOMS  
SUPERSONIC FLIGHT  
WAVE FRONTS

**CAUSTICS**

USE ALKALIES

**CAUSTICS (OPTICS)**

RT DIFFRACTION  
FRACTURE MECHANICS  
∞ OPTICS  
POLARIZED RADIATION  
∞ RAYS  
SURFACE DEFECTS

**CAVES**

RT CAVITIES  
KARST  
KETTLES (GEOLOGY)  
UNDERGROUND STRUCTURES

**CAVITATION**

USE CAVITATION FLOW

**CAVITATION CORROSION**

GS CORROSION  
  . CAVITATION CORROSION  
RT CAVITATION FLOW  
CORROSION PREVENTION  
CORROSION RESISTANCE  
CORROSION TESTS  
EROSION

**CAVITATION FLOW**

UF CAVITATION  
GASEOUS CAVITATION  
GS FLUID FLOW  
  . TURBULENT FLOW  
  . . . CAVITATION FLOW  
RT BUBBLES  
CAVITATION CORROSION  
EROSION  
FLOW DISTRIBUTION  
IMPINGEMENT  
SEPARATED FLOW  
SUPERCavitating FLOW  
ULTRASONIC CLEANING  
VORTICES  
WAKES  
WATER

**CAVITIES**

UF BORES  
RT APERTURES  
BOREHOLES  
CAVES  
∞ CELLS  
CRACK GEOMETRY  
CRACKS  
DEFECTS  
DUCTS  
GAS POCKETS  
HOLE DISTRIBUTION (MECHANICS)  
∞ HOLES  
∞ HOLLOW  
INTERSTICES  
KARST  
KETTLES (GEOLOGY)  
LEAKAGE  
OPENINGS  
ORIFICES  
OUTLETS  
PASSAGEWAYS  
PERFORATED PLATES  
PERFORATED SHELLS  
∞ PERFORATION  
PORTS (OPENINGS)  
RECESSES  
TOOTH DISEASES  
VENTS

## CAVITONS

### CAVITIES-(CONT.) VOIDS

#### CAVITONS

RT ELECTRIC FIELDS  
PLASMA DENSITY  
PLASMA PHYSICS  
PLASMA RESONANCE

#### CAVITY RESONATORS

UF RESONANT CAVITIES  
GS RESONATORS  
RT CAVITY RESONATORS  
CIRCULATORS (PHASE SHIFT CIRCUITS)  
CYCLOTRON RESONANCE DEVICES  
ELECTRON TUBES  
FIELD MODE THEORY  
HELMHOLTZ RESONATORS  
KLYSTRONS  
MAGNETRONS  
MICROWAVE RESONANCE  
MULTIMODE RESONATORS  
OSCILLATORS  
RESONANT FREQUENCIES  
TRAVELING WAVE MASERS  
VELOCITY MODULATION

#### CAVITY VAPOR GENERATORS

RT GENERATORS  
VAPORIZERS  
VAPORS

#### CAYS

USE KEYS (ISLANDS)

#### CC-106 AIRCRAFT

USE CL-44 AIRCRAFT

#### CCD

USE CHARGE COUPLED DEVICES

#### CCD STAR TRACKER

UF STELLAR (STAR TRACKER)  
GS TRACKING (POSITION)  
STAR TRACKERS  
RT CCD STAR TRACKER  
CELESTIAL NAVIGATION  
CHARGE COUPLED DEVICES  
SPACECRAFT GUIDANCE

#### CDC COMPUTERS

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
CDC COMPUTERS  
CDC CYBER 74 COMPUTER  
CDC CYBER 170 SERIES  
COMPUTERS  
CDC CYBER 175 COMPUTER  
CDC CYBER 174 COMPUTER  
CDC CYBER 203 COMPUTER  
CDC CYBER 205 COMPUTER  
CDC STAR 100 COMPUTER  
CDC 160-A COMPUTER  
CDC 1604 COMPUTER  
CDC 3100 COMPUTER  
CDC 3200 COMPUTER  
CDC 3600 COMPUTER  
CDC 3800 COMPUTER  
CDC 6000 SERIES COMPUTERS  
CDC 6400 COMPUTER  
CDC 6600 COMPUTER  
CDC 6700 COMPUTER  
CDC 7000 SERIES COMPUTERS  
CDC 7600 COMPUTER  
CDC 8090 COMPUTER  
RT DIGITAL COMPUTERS

#### CDC CYBER 74 COMPUTER

UF CYBER 74 COMPUTER  
GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
CDC COMPUTERS  
CDC CYBER 74 COMPUTER  
DIGITAL COMPUTERS  
CDC CYBER 74 COMPUTER

#### CDC CYBER 170 SERIES COMPUTERS

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
CDC COMPUTERS  
CDC CYBER 170 SERIES  
COMPUTERS  
CDC CYBER 175 COMPUTER  
DIGITAL COMPUTERS

### CDC CYBER 170 SERIES COMPUTERS-(CONT.) CDC CYBER 170 SERIES COMPUTERS

#### CDC CYBER 174 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
CDC COMPUTERS  
CDC CYBER 174 COMPUTER  
DIGITAL COMPUTERS  
CDC CYBER 174 COMPUTER

#### CDC CYBER 175 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
CDC COMPUTERS  
CDC CYBER 170 SERIES  
COMPUTERS  
CDC CYBER 175 COMPUTER

#### CDC CYBER 203 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
CDC COMPUTERS  
CDC CYBER 203 COMPUTER  
DIGITAL COMPUTERS  
CDC CYBER 203 COMPUTER

#### CDC CYBER 205 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
CDC COMPUTERS  
CDC CYBER 205 COMPUTER  
DIGITAL COMPUTERS  
CDC CYBER 205 COMPUTER

#### CDC STAR 100 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
CDC COMPUTERS  
CDC STAR 100 COMPUTER  
DIGITAL COMPUTERS  
CDC STAR 100 COMPUTER

#### CDC 160-A COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
CDC COMPUTERS  
CDC 160-A COMPUTER  
DIGITAL COMPUTERS  
CDC 160-A COMPUTER

#### CDC 1604 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
CDC COMPUTERS  
CDC 1604 COMPUTER  
DIGITAL COMPUTERS  
CDC 1604 COMPUTER

#### CDC 3100 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
CDC COMPUTERS  
CDC 3100 COMPUTER  
DIGITAL COMPUTERS  
CDC 3100 COMPUTER

#### CDC 3200 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
CDC COMPUTERS  
CDC 3200 COMPUTER  
DIGITAL COMPUTERS  
CDC 3200 COMPUTER

#### CDC 3600 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
CDC COMPUTERS  
CDC 3600 COMPUTER  
DIGITAL COMPUTERS  
CDC 3600 COMPUTER

#### CDC 3800 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
CDC COMPUTERS  
CDC 3800 COMPUTER  
DIGITAL COMPUTERS  
CDC 3800 COMPUTER

#### CDC 6000 SERIES COMPUTERS

GS DATA PROCESSING EQUIPMENT

### CDC 6000 SERIES COMPUTERS-(CONT.)

COMPUTERS  
CDC COMPUTERS  
CDC 6000 SERIES COMPUTERS  
CDC 6400 COMPUTER  
CDC 6600 COMPUTER  
CDC 6700 COMPUTER  
DIGITAL COMPUTERS  
CDC 6000 SERIES COMPUTERS  
CDC 6400 COMPUTER  
CDC 6600 COMPUTER  
CDC 6700 COMPUTER

#### CDC 6400 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
CDC COMPUTERS  
CDC 6000 SERIES COMPUTERS  
CDC 6400 COMPUTER  
DIGITAL COMPUTERS  
CDC 6000 SERIES COMPUTERS  
CDC 6400 COMPUTER

#### CDC 6600 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
CDC COMPUTERS  
CDC 6000 SERIES COMPUTERS  
CDC 6600 COMPUTER  
DIGITAL COMPUTERS  
CDC 6000 SERIES COMPUTERS  
CDC 6600 COMPUTER

#### CDC 6700 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
CDC COMPUTERS  
CDC 6000 SERIES COMPUTERS  
CDC 6700 COMPUTER  
DIGITAL COMPUTERS  
CDC 6000 SERIES COMPUTERS  
CDC 6700 COMPUTER

#### CDC 7000 SERIES COMPUTERS

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
CDC COMPUTERS  
CDC 7000 SERIES COMPUTERS  
CDC 7600 COMPUTER  
DIGITAL COMPUTERS  
CDC 7000 SERIES COMPUTERS  
CDC 7600 COMPUTER

#### CDC 7600 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
CDC COMPUTERS  
CDC 7000 SERIES COMPUTERS  
CDC 7600 COMPUTER  
DIGITAL COMPUTERS  
CDC 7000 SERIES COMPUTERS  
CDC 7600 COMPUTER

#### CDC 8090 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
CDC COMPUTERS  
CDC 8090 COMPUTER  
DIGITAL COMPUTERS  
CDC 8090 COMPUTER

#### CDMA

USE CODE DIVISION MULTIPLE ACCESS

#### CEDAR RAPIDS (IA)

GS CITIES  
CEDAR RAPIDS (IA)  
RT IOWA

#### CEFOAM CHECKOUT EQUIPMENT

RT CHECKOUT  
TEST EQUIPMENT

#### CEILING (AIRCRAFT CAPABILITY)

RT AIRCRAFT  
AIRCRAFT SPECIFICATIONS  
CEILINGS  
FLIGHT ALTITUDE  
FLIGHT CHARACTERISTICS

#### CEILINGS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)

## CELESTIAL BODIES

### CEILINGS-(CONT.)

RT CEILING (AIRCRAFT CAPABILITY)  
CEILINGS (ARCHITECTURE)  
CEILINGS (METEOROLOGY)

### CEILINGS (ARCHITECTURE)

RT BUILDINGS  
∞ CEILINGS  
∞ DIFFUSERS  
FLOORS  
INSULATION  
ANELS  
REFLECTORS

### CEILINGS (METEOROLOGY)

RT AIRCRAFT LANDING  
∞ CEILINGS  
CLOUD HEIGHT INDICATORS  
METEOROLOGICAL PARAMETERS  
METEOROLOGY  
VISIBILITY

### CEILOMETERS

USE CLOUD HEIGHT INDICATORS

### CELESCOPES

GS ELECTRON TUBES  
VACUUM TUBES  
MICROWAVE TUBES  
CELESCOPES  
MICROWAVE EQUIPMENT  
MICROWAVE TUBES  
CELESCOPES  
MIRRORS  
CELESCOPES  
OPTICAL EQUIPMENT  
IMAGE CONVERTERS  
CELESCOPES  
TELESCOPES  
CELESCOPES  
RT SOLAR INSTRUMENTS

### CELESTIAL BODIES

GS CELESTIAL BODIES  
ASTEROID BELTS  
ASTEROIDS  
AMOR ASTEROID  
AMPHITRITE ASTEROID  
APOLLO ASTEROIDS  
CERES ASTEROID  
CHIRON  
ICARUS ASTEROID  
TORO ASTEROID  
VESTA ASTEROID  
BL LACERTAE OBJECTS  
COMETS  
AREND-ROLAND COMET  
COMET HEADS  
COMET NUCLEI  
COMET TAILS  
ENCKE COMET  
GIACOBINI-ZINNER COMET  
GRIGG-SKJELLERUP COMET  
HALLEY'S COMET  
HUMASON COMET  
IRAS-ARAKI-ALCOCK COMET  
KOHOUTEK COMET  
MOREHOUSE COMET  
MRKOS COMET  
SCHWASSMANN-WACHMANN COMET  
TEMPEL 2 COMET  
WEST COMET  
FAINT OBJECTS  
GALAXIES  
ACTIVE GALAXIES  
MARKARIAN GALAXIES  
RADIO GALAXIES  
SEYFERT GALAXIES  
DISK GALAXIES  
DWARF GALAXIES  
ELLIPTICAL GALAXIES  
GALACTIC CLUSTERS  
LOCAL GROUP (ASTRONOMY)  
ANDROMEDA GALAXY  
VIRGO GALACTIC CLUSTER  
IRREGULAR GALAXIES  
MAFFEI GALAXIES  
MAGELLANIC CLOUDS  
SPIRAL GALAXIES  
BARRED GALAXIES  
MILKY WAY GALAXY  
STARBURST GALAXIES  
INFRARED SOURCES (ASTRONOMY)  
INFRARED STARS  
METEORITES

### CELESTIAL BODIES-(CONT.)

HARLETON METEORITE  
IRON METEORITES  
AROOS METEORITE  
ODESSA METEORITE  
SIKHOTE-LIN METEORITE  
LAZAREV METEORITE  
MICROMETEORITES  
OKHANSK METEORITE  
STONY METEORITES  
ACHONDRITES  
BONDOL METEORITE  
KAPOTA ACHONDRITE  
NORTON COUNTY ACHONDRITE  
CHONDRITES  
BRUDERHEIM METEORITE  
CARBONACEOUS CHONDRITES  
ALLENDE METEORITE  
MURCHISON METEORITE  
CARBONACEOUS METEORITES  
ALAS METEORITE  
COLD BOKKEVELD METEORITE  
IVUNA METEORITE  
MURRAY METEORITE  
ORGUEIL METEORITE  
TONK METEORITE  
HVITIS CHONDRITE  
PANTAR CHONDRITES  
PRIBRAM METEORITE  
TEKTITES  
AUSTRALITES  
BEDIASITES  
TUNGUSK METEORITE  
METEOROID SHOWERS  
AQUARIID METEORIDS  
ARIETID METEORIDS  
CYRILLID METEORIDS  
DRACONID METEORIDS  
GEMINID METEORIDS  
LEONID METEORIDS  
ORIONID METEORIDS  
PERSEID METEORIDS  
QUADRANTID METEORIDS  
TAURID METEORIDS  
METEORIDS  
AQUARIID METEORIDS  
ARIETID METEORIDS  
BOLIDES  
CYRILLID METEORIDS  
DRACONID METEORIDS  
GEMINID METEORIDS  
LEONID METEORIDS  
MICROMETEORIDS  
METEOROID DUST CLOUDS  
ZODIACAL DUST  
ORIONID METEORIDS  
PERSEID METEORIDS  
QUADRANTID METEORIDS  
RADIO METEORS  
SPORADIC METEORIDS  
TAURID METEORIDS  
NATURAL SATELLITES  
CHARON  
ICY SATELLITES  
ARIEL  
CALLISTO  
DIONE  
ENCELADUS  
EUROPA  
GANYMEDE  
HYPERION  
IAPETUS  
MIMAS  
RHEA (ASTRONOMY)  
TETHYS  
TITANIA  
JUPITER SATELLITES  
AMALTHEA  
GALILEAN SATELLITES  
CALLISTO  
EUROPA  
GANYMEDE  
IO  
MARS SATELLITES  
DEIMOS  
PHOBOS  
MOON  
SATURN SATELLITES  
DIONE  
ENCELADUS  
HYPERION  
IAPETUS  
JANUS  
MIMAS  
PHOEBE  
RHEA (ASTRONOMY)

### CELESTIAL BODIES-(CONT.)

TETHYS  
TITAN  
TRITON  
URANUS SATELLITES  
ARIEL  
MIRANDA  
OBERON  
TITANIA  
UMBRIEL  
NEBULAE  
CASSIOPEIA A  
CRAB NEBULA  
GUM NEBULA  
H I REGIONS  
H II REGIONS  
HERBIG-HARO OBJECTS  
ORION NEBULA  
PLANETARY NEBULAE  
REFLECTION NEBULAE  
PLANETARY RINGS  
JUPITER RINGS  
SATURN RINGS  
URANUS RINGS  
PLANETS  
EXTRASOLAR PLANETS  
GAS GIANT PLANETS  
JUPITER (PLANET)  
NEPTUNE (PLANET)  
SATURN (PLANET)  
URANUS (PLANET)  
PLUTO (PLANET)  
TERRESTRIAL PLANETS  
EARTH (PLANET)  
MARS (PLANET)  
MERCURY (PLANET)  
VENUS (PLANET)  
PROTOPLANETS  
RADIO SOURCES (ASTRONOMY)  
CASSIOPEIA A  
EXTRAGALACTIC RADIO SOURCES  
RADIO GALAXIES  
RADIO JETS (ASTRONOMY)  
QUASARS  
RADIO STARS  
PULSARS  
SOLAR SYSTEM  
STAR CLUSTERS  
GLOBULAR CLUSTERS  
HORIZONTAL BRANCH STARS  
OPEN CLUSTERS  
PLEIADES CLUSTER  
PRAESEPE STAR CLUSTERS  
STARS  
BLACK HOLES (ASTRONOMY)  
DOUBLE STARS  
BINARY STARS  
CATACLYSMIC VARIABLES  
COMPANION STARS  
NEMESIS (STAR)  
ECLIPSING BINARY STARS  
DWARF NOVAE  
LAMBDA TAURI STARS  
ZETA AURIGAE STAR  
SIGMA ORIONIS  
SYMBIOTIC STARS  
EARLY STARS  
HOT STARS  
A STARS  
B STARS  
SIGMA ORIONIS  
BLUE STARS  
O STARS  
WHITE DWARF STARS  
WOLF-RAYET STARS  
F STARS  
G STARS  
SUN  
GIANT STARS  
ASYMPTOTIC GIANT BRANCH STARS  
OMICRON CETI STAR  
RED GIANT STARS  
CARBON STARS  
INFRARED STARS  
LATE STARS  
COOL STARS  
CARBON STARS  
FLARE STARS  
K STARS  
M STARS  
VAN BIESBROECK STAR  
MIRA VARIABLES  
OMICRON CETI STAR  
S STARS  
MAGNETIC STARS

## CELESTIAL GEODESY

### CELESTIAL BODIES-(CONT.)

. . MAIN SEQUENCE STARS  
 . . DWARF STARS  
 . . DWARF NOVAE  
 . . FLARE STARS  
 . . RED DWARF STARS  
 . . SUN  
 . . METALLIC STARS  
 . . NEUTRON STARS  
 . . PULSARS  
 . . PECULIAR STARS  
 . . SIGMA ORIONIS  
 . . SYMBIOTIC STARS  
 . . PRAESEPE STAR CLUSTERS  
 . . PROTOSTARS  
 . . PRE-MAIN SEQUENCE STARS  
 . . T TAURI STARS  
 . . RADIO STARS  
 . . PULSARS  
 . . REFERENCE STARS  
 . . SUBDWARF STARS  
 . . SUBGIANT STARS  
 . . SUPERGIANT STARS  
 . . R CORONAE BOREALIS STARS  
 . . SUPERMASSIVE STARS  
 . . VARIABLE STARS  
 . . CATAclysmic VARIABLES  
 . . CEPHEID VARIABLES  
 . . FLARE STARS  
 . . IRREGULAR VARIABLE STARS  
 . . R CORONAE BOREALIS STARS  
 . . LAMBDA TAURI STARS  
 . . MIRA VARIABLES  
 . . OMICRON CETI STAR  
 . . NOVAE  
 . . DWARF NOVAE  
 . . HERCULES NOVA  
 . . SEMIREGULAR VARIABLE STARS  
 . . SUPERNOVAE  
 . . SUPERNOVA 1987A  
 . . SYMBIOTIC STARS  
 . . T TAURI STARS  
 . . WHITE HOLES (ASTRONOMY)  
 . . X RAY STARS  
 . . STELLAR SYSTEMS  
 ARIES CONSTELLATION  
 ASTEROID CAPTURE  
 ASTRODYNAMICS  
 ASTROLABES  
 ASTRONOMICAL OBSERVATORIES  
 ASTRONOMY  
 ASTROPHYSICS  
 ∞ BODIES  
 CASSIOPEIA CONSTELLATION  
 CENTAURUS CONSTELLATION  
 CORONA BOREALIS CONSTELLATION  
 CYGNUS CONSTELLATION  
 GRAVITATIONAL WAVES  
 IMPACT MELTS  
 INTERSTELLAR MATTER  
 LYRA CONSTELLATION  
 ORBITS  
 SOLAR NEIGHBORHOOD  
 SPACE FLIGHT  
 UNIVERSE

### CELESTIAL GEODESY

GS GEODESY  
 . . CELESTIAL GEODESY  
 RT EXPLORER 29 SATELLITE  
 EXPLORER 36 SATELLITE  
 GEODETIC SATELLITES  
 GEOS 1 SATELLITE  
 GEOS 2 SATELLITE  
 GEOS 3 SATELLITE  
 INTERNATIONAL SATELLITE GEODESY  
 EXPERIMENT  
 TIME

### CELESTIAL MECHANICS

GS CLASSICAL MECHANICS  
 . . SPACE MECHANICS  
 . . CELESTIAL MECHANICS  
 RT ASTRODYNAMICS  
 ASTRONOMY  
 ASTROPHYSICS  
 EPHEMERIDES  
 EQUATIONS OF MOTION  
 FOUR BODY PROBLEM  
 GRAVITATIONAL WAVES  
 HYPERBOLIC TRAJECTORIES  
 LAGRANGIAN EQUILIBRIUM POINTS  
 LONG TERM EFFECTS  
 MANY BODY PROBLEM  
 ∞ MECHANICS (PHYSICS)

### CELESTIAL MECHANICS-(CONT.)

ORBITAL MECHANICS  
 ORBITAL RESONANCES (CELESTIAL MECHANICS)  
 ORBITS  
 PERTURBATION THEORY  
 PLANETS  
 ROCHE LIMIT  
 SCHACH EFFECT  
 SOLAR SYSTEM  
 STARS  
 STELLAR ORBITS  
 SUN  
 TERRESTRIAL PLANETS  
 THREE BODY PROBLEM  
 TRAJECTORY ANALYSIS  
 TROJAN ORBITS  
 TWO BODY PROBLEM  
 WOLF-RAYET STARS

### CELESTIAL NAVIGATION

GS NAVIGATION  
 . . CELESTIAL NAVIGATION  
 . . ASTROGUIDE NAVIGATION SYSTEM  
 . . ASTRONAVIGATION  
 RT AIR NAVIGATION  
 AUTONOMOUS NAVIGATION  
 CCD STAR TRACKER  
 INERTIAL NAVIGATION  
 INJECTION GUIDANCE  
 INTERPLANETARY NAVIGATION  
 POLAR NAVIGATION  
 RADAR NAVIGATION  
 RADIO NAVIGATION  
 REFERENCE STARS  
 SOLAR POSITION  
 SPACE NAVIGATION  
 SPACECRAFT GUIDANCE  
 STAR TRACKERS  
 SURFACE NAVIGATION

### CELESTIAL OBSERVATION

USE ASTRONOMY

### CELESTIAL REFERENCE SYSTEMS

RT AIR NAVIGATION  
 ASTRONOMICAL COORDINATES  
 ASTRONOMICAL MAPS  
 AZIMUTH  
 COORDINATES  
 GEOCENTRIC COORDINATES  
 INERTIAL REFERENCE SYSTEMS  
 INTERPLANETARY NAVIGATION  
 INTERSTELLAR TRAVEL  
 PLANETOCENTRIC COORDINATES  
 ∞ REFERENCE SYSTEMS  
 SOLAR LONGITUDE  
 SPHERICAL COORDINATES  
 ∞ SYSTEMS

### CELESTIAL SPHERE

GS SYMMETRICAL BODIES  
 . . BODIES OF REVOLUTION  
 . . SPHERES  
 . . CELESTIAL SPHERE  
 RT ARIES CONSTELLATION  
 ASTRONOMICAL MAPS  
 CASSIOPEIA CONSTELLATION  
 CENTAURUS CONSTELLATION  
 CONSTELLATIONS  
 CORONA BOREALIS CONSTELLATION  
 CYGNUS CONSTELLATION  
 HORIZON  
 LYRA CONSTELLATION  
 ORBITAL POSITION ESTIMATION  
 PLANISPHERES  
 ZENITH

### CELL ANODES

GS ELECTRODES  
 . . ANODES  
 . . CELL ANODES  
 RT ANIONS  
 ANOLYTES  
 CELL CATHODES  
 ELECTRODE MATERIALS

### CELL CATHODES

GS ELECTRODES  
 . . CATHODES  
 . . CELL CATHODES  
 RT CATHOLYTES  
 CATIONS  
 CELL ANODES  
 ELECTRODE MATERIALS

### CELL CATHODES-(CONT.)

ELECTRODEPOSITION

### CELL DIVISION

GS CYTOGENESIS  
 . . CELL DIVISION  
 RT ∞ DIVISION  
 MITOSIS  
 ∞ REPRODUCTION

### CELL MEMBRANES (BIOLOGY)

GS MEMBRANES  
 . . CELL MEMBRANES (BIOLOGY)  
 RT CELLS (BIOLOGY)  
 CYTOLOGY  
 OSMOSIS

### CELLOPHANE

RT CELLULOSE  
 ∞ POLYMERS

### ∞ CELLS

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
 RT ACTIVATION (BIOLOGY)  
 CAVITIES  
 CELLS (BIOLOGY)  
 COMPARTMENTS  
 CORES  
 ELECTROCHEMICAL CELLS  
 ELECTROLYTIC CELLS  
 FILLERS  
 FUEL CELLS  
 GEOPHYSICAL FLUID FLOW CELLS  
 HEXAGONAL CELLS  
 HONEYCOMB STRUCTURES  
 KERR CELLS  
 LITHIUM SULFUR BATTERIES  
 PARTICLE IN CELL TECHNIQUE  
 PHOTOCONDUCTIVE CELLS  
 PHOTOELECTRIC CELLS  
 PHOTOVOLTAIC CELLS  
 POROUS MATERIALS  
 RESOLUTION CELL  
 SOLAR CELLS  
 TISSUES (BIOLOGY)  
 TOPOLOGY

### CELLS (BIOLOGY)

UF BIOLOGICAL CELLS  
 GS CELLS (BIOLOGY)  
 . . BLOOD CELLS  
 . . ERYTHROCYTES  
 . . RETICULOCYTES  
 . . HEMOCYTES  
 . . LEUKOCYTES  
 . . EOSINOPHILS  
 . . LYMPHOCYTES  
 . . EUKARYOTES  
 . . FIBROBLASTS  
 . . GAMETOCYTES  
 . . EGGS  
 . . SPERMATOZOA  
 . . MACROPHAGES  
 . . NEURONS  
 . . AXONS  
 . . NEUROBLASTS  
 . . PROKARYOTES  
 . . PROTOPLASTS  
 RT ANATOMY  
 ∞ BIOLOGY  
 CANCER  
 CATALASE  
 CELL MEMBRANES (BIOLOGY)  
 ∞ CELLS  
 CHLOROPHYLLS  
 CHLOROPLASTS  
 CHROMOSOMES  
 CYTOGENESIS  
 CYTOLOGY  
 CYTOPLASM  
 ENDOPLASMIC RETICULUM  
 ENDOTHELIUM  
 GANGLIA  
 HEMATOPOIESIS  
 HEMOGLOBIN  
 HISTOCHEMICAL ANALYSIS  
 KREBS CYCLE  
 LYSOSOMES  
 MITOCHONDRIA  
 MITOSIS  
 MUTAGENS  
 MUTATIONS  
 NEUROGLIA

**CELLS (BIOLOGY)-(CONT.)**

NEUROTRANSMITTERS  
NUCLEI (CYTOLOGY)  
ORGANELLES  
ORGANS  
PLASMOLYSIS  
SARCOPLASMIC RETICULUM  
TISSUES (BIOLOGY)

**CELLULAR MATERIALS (NON BIOLOGICAL)**

USE FOAMS

**CELLULOSE**

GS ORGANIC COMPOUNDS  
. CARBOHYDRATES  
. . . POLYSACCHARIDES  
. . . **CELLULOSE**  
. . . . FORTISAN (TRADEMARK)  
RT CELLOPHANE  
LIGNIN  
MASONITE (TRADEMARK)  
SYNTHETIC FOOD  
TENITE  
WOOD

**CELLULOSE NITRATE**

UF NITROCELLULOSE  
PYROXYLIN  
GS ESTERS  
. ORGANIC NITRATES  
. . **CELLULOSE NITRATE**  
EXPLOSIVES  
. **CELLULOSE NITRATE**  
NITROGEN COMPOUNDS  
. NITRATES  
. . ORGANIC NITRATES  
. . . **CELLULOSE NITRATE**  
RT DOUBLE BASE PROPELLANTS  
DOUBLE BASE ROCKET PROPELLANTS

**CEMENTATION**

RT ADHESIVE BONDING  
AGGLOMERATION  
AGGLUTINATION  
BONDING  
HEATING  
PRECIPITATION (CHEMISTRY)

**CEMENTITE**

GS CARBON COMPOUNDS  
. CARBIDES  
. . **CEMENTITE**  
RT IRON ALLOYS  
MICROSTRUCTURE  
PEARLITE  
STEELS

**CEMENTS**

RT ADHESIVES  
BINDERS (MATERIALS)  
BRICKS  
CONCRETES  
∞ CONSTRUCTION MATERIALS  
GROUT  
MASONRY  
MORTARS (MATERIAL)  
SEALING

**CEMS SYSTEM**

USE CENTRAL ELECTRONIC MANAGEMENT SYSTEM

**CENSORED DATA (MATHEMATICS)**

GS DATA PROCESSING  
. **CENSORED DATA (MATHEMATICS)**  
RT APPROXIMATION  
∞ DATA  
ERROR ANALYSIS  
PROBABILITY DENSITY FUNCTIONS  
RELIABILITY  
SAMPLING  
STATISTICAL ANALYSIS  
STATISTICAL DISTRIBUTIONS

**CENSUS**

RT ANIMALS  
DEMOGRAPHY  
HUMAN BEINGS  
∞ STATISTICS  
URBAN PLANNING

**CENTAUR LAUNCH VEHICLE**

UF CENTAUR VEHICLE  
GS LAUNCH VEHICLES

**CENTAUR LAUNCH VEHICLE-(CONT.)**

. **CENTAUR LAUNCH VEHICLE**  
. . ATLAS CENTAUR LAUNCH VEHICLE  
ROCKET VEHICLES  
. **CENTAUR LAUNCH VEHICLE**  
. . ATLAS CENTAUR LAUNCH VEHICLE  
RT ATLAS D ICBM  
LIQUID PROPELLANT ROCKET ENGINES  
SATURN PROJECT  
TITAN CENTAUR LAUNCH VEHICLE

**CENTAUR PROJECT**

GS PROGRAMS  
. NASA PROGRAMS  
. . NASA SPACE PROGRAMS  
. . . **CENTAUR PROJECT**  
PROJECTS  
. **CENTAUR PROJECT**  
. SPACE PROGRAMS  
. . NASA SPACE PROGRAMS  
. . . **CENTAUR PROJECT**  
RT ATLAS CENTAUR LAUNCH VEHICLE  
LAUNCH VEHICLES  
MARINER PROGRAM  
RL-10 ENGINES  
SURVEYOR PROJECT

**CENTAUR VEHICLE**

USE CENTAUR LAUNCH VEHICLE

**CENTAURUS CONSTELLATION**

GS CONSTELLATIONS  
. **CENTAURUS CONSTELLATION**  
RT CELESTIAL BODIES  
CELESTIAL SPHERE  
STARS

**CENTER OF GRAVITY**

UF BARYCENTER  
RT CENTER OF MASS  
∞ CENTERS  
CENTROIDS  
GRAVITATIONAL FIELDS  
LUNAR ROTATION  
MASS  
MOMENTS OF INERTIA

**CENTER OF MASS**

GS MASS  
. **CENTER OF MASS**  
RT CENTER OF GRAVITY  
MASCONS  
WEIGHT (MASS)

**CENTER OF PRESSURE**

RT ∞ CENTERS  
HYDROSTATIC PRESSURE  
MOMENTS OF INERTIA  
PRESSURE  
PRESSURE DISTRIBUTION  
PRESSURE HEADS

**CENTERBODIES**

RT AFTERBODIES  
AIRCRAFT STRUCTURES  
∞ BODIES  
CYLINDRICAL BODIES  
FOREBODIES  
FUSELAGES

**∞ CENTERS**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT CENTER OF GRAVITY  
CENTER OF PRESSURE  
COLOR CENTERS  
CONCENTRICITY  
FOCI  
LOCI  
WORLD DATA CENTERS

**CENTIMETER WAVES**

GS ELECTROMAGNETIC RADIATION  
. RADIO WAVES  
. . SHORT WAVE RADIATION  
. . . MICROWAVES  
. . . . **CENTIMETER WAVES**  
RT COSMIC NOISE  
EXTRATERRESTRIAL RADIO WAVES  
MICROWAVE FREQUENCIES  
SUPERHIGH FREQUENCIES

**CENTRAL NERVOUS SYSTEM STIMULANTS****CENTRAL AFRICAN REPUBLIC**

GS NATIONS  
. **CENTRAL AFRICAN REPUBLIC**  
RT AFRICA

**CENTRAL AMERICA**

RT BELIZE  
COSTA RICA  
EL SALVADOR  
GUATEMALA  
HONDURAS  
NICARAGUA  
NORTH AMERICA  
PANAMA  
PANAMA CANAL ZONE  
REGIONS  
SOUTH AMERICA

**CENTRAL ATLANTIC REGION (US)**

GS REGIONS  
. **CENTRAL ATLANTIC REGION (US)**  
RT UNITED STATES

**CENTRAL ATLANTIC REGIONAL ECOL TEST SITE**

SN (CENTRAL ATLANTIC REGIONAL  
ECOLOGICAL TEST SITE)  
UF CARETS (TEST SITE)  
GS SITES  
. **CENTRAL ATLANTIC REGIONAL ECOL  
TEST SITE**  
TEST FACILITIES  
. **CENTRAL ATLANTIC REGIONAL ECOL  
TEST SITE**  
RT ECOLOGY  
ENVIRONMENT PROTECTION

**CENTRAL ELECTRONIC MANAGEMENT SYSTEM**

UF CEMS SYSTEM  
GS DATA PROCESSING  
. **CENTRAL ELECTRONIC MANAGEMENT  
SYSTEM**  
RT MANAGEMENT  
∞ SYSTEMS

**CENTRAL EUROPE**

RT AUSTRIA  
CONTINENTS  
CZECHOSLOVAKIA  
EAST GERMANY  
EUROPE  
HUNGARY  
POLAND  
ROMANIA  
WEST GERMANY

**CENTRAL NERVOUS SYSTEM**

GS ANATOMY  
. NERVOUS SYSTEM  
. . **CENTRAL NERVOUS SYSTEM**  
. . . BRAIN  
. . . . BRAIN STEM  
. . . . CEREBELLUM  
. . . . CEREBRAL VENTRICLES  
. . . . CEREBRUM  
. . . . CEREBRAL CORTEX  
. . . . OCCIPITAL LOBES  
. . . . DIENCEPHALON  
. . . . HYPOTHALAMUS  
. . . . PINEAL GLAND  
. . . . THALAMUS  
. . . . HIPPOCAMPUS  
. . . . SPINAL CORD  
RT BLOOD-BRAIN BARRIER  
PSYCHOPHARMACOLOGY  
PSYCHOTROPIC DRUGS  
∞ SYSTEMS

**CENTRAL NERVOUS SYSTEM DEPRESSANTS**

GS DEPRESSANTS  
. **CENTRAL NERVOUS SYSTEM  
DEPRESSANTS**  
DRUGS  
. **CENTRAL NERVOUS SYSTEM  
DEPRESSANTS**  
RT AMOBARBITAL  
PSYCHOPHARMACOLOGY  
∞ SYSTEMS  
TRANQUILIZERS

**CENTRAL NERVOUS SYSTEM STIMULANTS**

GS DRUGS  
. STIMULANTS  
. . **CENTRAL NERVOUS SYSTEM  
STIMULANTS**  
RT AMPHETAMINES



## CENTRAL PIEDMONT (US)

**CENTRAL NERVOUS SYSTEM-(CONT.)**  
PSYCHOPHARMACOLOGY  
∞ SYSTEMS

**CENTRAL PIEDMONT (US)**  
GS LANDFORMS  
  . TERRACES (LANDFORMS)  
  . PLATEAUS  
  . . . . . PIEDMONTS  
  . . . . . **CENTRAL PIEDMONT (US)**  
RT MOUNTAINS

**CENTRAL PROCESSING UNITS**  
UF PROCESSORS (COMPUTERS)  
GS **CENTRAL PROCESSING UNITS**  
  . ARITHMETIC AND LOGIC UNITS  
RT COMPUTER COMPONENTS  
  COMPUTER STORAGE DEVICES  
  COMPUTERS  
  CONTROL UNITS (COMPUTERS)  
  LOGIC CIRCUITS  
  MICROPROCESSORS  
  REGISTERS (COMPUTERS)

**CENTRIFUGAL CASTING**  
GS FORMING TECHNIQUES  
  . CASTING  
  . . . **CENTRIFUGAL CASTING**  
RT INVESTMENT CASTING

**CENTRIFUGAL COMPRESSORS**  
GS COMPRESSORS  
  . **CENTRIFUGAL COMPRESSORS**  
  TURBOMACHINERY  
  . **CENTRIFUGAL COMPRESSORS**  
RT BLOWERS  
  COMPRESSOR BLADES  
  COMPRESSOR ROTORS  
  IMPELLERS  
  PUMP IMPELLERS  
  PUMPS  
  RADIAL FLOW  
  ROTORS  
  SUPERCHARGERS  
  TURBOCOMPRESSORS

**CENTRIFUGAL FORCE**  
RT ANGULAR ACCELERATION  
  CENTRIFUGES  
  CENTRIPETAL FORCE  
  ∞ FORCE  
  GOERTLER INSTABILITY

**CENTRIFUGAL PUMPS**  
GS PUMPS  
  . **CENTRIFUGAL PUMPS**  
  TURBOMACHINERY  
  . **CENTRIFUGAL PUMPS**  
RT AXIAL FLOW PUMPS  
  FUEL PUMPS  
  IMPELLERS  
  PUMP IMPELLERS  
  TURBINE PUMPS  
  TURBOCOMPRESSORS

**CENTRIFUGES**  
UF CYCLONES (EQUIPMENT)  
GS **CENTRIFUGES**  
  . HUMAN CENTRIFUGES  
RT CENTRIFUGAL FORCE  
  CENTRIFUGING  
  CENTRIPETAL FORCE  
  CLASSIFIERS  
  CONCENTRATORS  
  EXTRACTION  
  FLIGHT SIMULATORS  
  FLUID FILTERS  
  HIGH GRAVITY ENVIRONMENTS  
  SEPARATORS  
  SPACE SIMULATORS  
  ∞ TEST EQUIPMENT  
  TRAINING SIMULATORS

**CENTRIFUGING**  
RT CENTRIFUGES  
  CONCENTRATING  
  EXTRACTION  
  MATERIALS RECOVERY  
  ∞ SEPARATION  
  SWIRLING

**CENTRIFUGING STRESS**  
GS INVERSIONS  
  . TEMPERATURE INVERSIONS

**CENTRIFUGING STRESS-(CONT.)**  
  . **CENTRIFUGING STRESS**  
  STRESS (PHYSIOLOGY)  
  . ACCELERATION STRESSES  
  (PHYSIOLOGY)  
  . **CENTRIFUGING STRESS**  
RT ACCELERATION TOLERANCE  
  GRAVITATIONAL PHYSIOLOGY

**CENTRIPETAL FORCE**  
RT ANGULAR ACCELERATION  
  CENTRIFUGAL FORCE  
  CENTRIFUGES  
  ∞ FORCE  
  REVOLVING

**CENTROIDS**  
RT CENTER OF GRAVITY  
  MOMENTS OF INERTIA

**CENTURION AIRCRAFT**  
USE CESSNA 210 AIRCRAFT

**CEPHALAGIA**  
USE HEADACHE

**CEPHALOPODS**  
GS ANIMALS  
  . INVERTEBRATES  
  . . . MOLLUSKS  
  . . . **CEPHALOPODS**  
  . . . . . OCTOPUSES

**CEPHEID VARIABLES**  
GS CELESTIAL BODIES  
  . STARS  
  . . . VARIABLE STARS  
  . . . **CEPHEID VARIABLES**  
RT CEPHEUS CONSTELLATION

**CEPHEUS CONSTELLATION**  
GS CONSTELLATIONS  
  . **CEPHEUS CONSTELLATION**  
RT CEPHEID VARIABLES

**CEPSTRA**  
GS SPECTRA  
  . POWER SPECTRA  
  . . **CEPSTRA**  
RT QUEFRENCIES

**CEPSTRAL ANALYSIS**  
GS DATA PROCESSING  
  . SIGNAL ANALYSIS  
  . . **CEPSTRAL ANALYSIS**  
  . VOICE DATA PROCESSING  
  . . **CEPSTRAL ANALYSIS**  
  SPECTRUM ANALYSIS  
  . **CEPSTRAL ANALYSIS**  
RT ACOUSTIC MEASUREMENT  
  AUDIO FREQUENCIES  
  ECHOES  
  MULTIPATH TRANSMISSION  
  POWER SPECTRA  
  SIGNAL REFLECTION  
  SIGNATURE ANALYSIS  
  SPECTRAL SIGNATURES  
  SPEECH RECOGNITION  
  TIME LAG  
  VIBRATION MEASUREMENT

**CERAMAL PROTECTIVE COATINGS**  
USE CERMETS  
  PROTECTIVE COATINGS

**CERAMALS**  
USE CERMETS

**CERAMIC BONDING**  
GS BONDING  
  . **CERAMIC BONDING**  
RT CERAMIC MATRIX COMPOSITES  
  CERAMICS

**CERAMIC COATINGS**  
SN (COATINGS CONSISTING OF CERAMIC  
  MATERIALS)  
GS COATINGS  
  . INORGANIC COATINGS  
  . . **CERAMIC COATINGS**  
  . PROTECTIVE COATINGS  
  . . **CERAMIC COATINGS**  
RT FINISHES  
  METAL COATINGS

**CERAMIC COATINGS-(CONT.)**  
PORCELAIN  
SPRAYED COATINGS  
VACUUM DEPOSITION

**CERAMIC FIBERS**  
GS FIBERS  
  . SYNTHETIC FIBERS  
  . . **CERAMIC FIBERS**  
RT BORON CARBIDES  
  CERAMIC MATRIX COMPOSITES  
  CERAMICS  
  COMPOSITE WRAPPING  
  CORDAGE  
  FIBER COMPOSITES  
  FIBER ORIENTATION  
  FIBER STRENGTH  
  FILAMENT WINDING  
  ∞ FILAMENTS  
  REINFORCING FIBERS  
  SILICON CARBIDES  
  STRANDS  
  TITANIUM CARBIDES

**CERAMIC HONEYCOMBS**  
RT CERAMIC MATRIX COMPOSITES  
  HONEYCOMB CORES  
  HONEYCOMB STRUCTURES

**CERAMIC MATRIX COMPOSITES**  
GS COMPOSITE MATERIALS  
  . **CERAMIC MATRIX COMPOSITES**  
RT AIRCRAFT CONSTRUCTION MATERIALS  
  BORON REINFORCED MATERIALS  
  CERAMIC BONDING  
  CERAMIC FIBERS  
  CERAMIC HONEYCOMBS  
  CERAMICS  
  CERMETS  
  COMPOSITE STRUCTURES  
  MATRIX MATERIALS  
  REINFORCING FIBERS  
  SILICON NITRIDES  
  TITANIUM CARBIDES  
  TITANIUM NITRIDES

**CERAMIC NUCLEAR FUELS**  
GS CERAMICS  
  . **CERAMIC NUCLEAR FUELS**  
  FUELS  
  . NUCLEAR FUELS  
  . . **CERAMIC NUCLEAR FUELS**  
RT CARBIDES  
  CERMETS  
  NITRIDES  
  PLUTONIUM COMPOUNDS  
  PLUTONIUM OXIDES  
  SOL-GEL PROCESSES  
  THORIUM COMPOUNDS  
  URANIUM CARBIDES  
  URANIUM COMPOUNDS  
  URANIUM OXIDES

**CERAMICS**  
GS **CERAMICS**  
  . CERAMIC NUCLEAR FUELS  
  . PORCELAIN  
  . PYROCERAM (TRADEMARK)  
RT ABRASIVES  
  BAKELITE (TRADEMARK)  
  BRICKS  
  CERAMIC BONDING  
  CERAMIC FIBERS  
  CERAMIC MATRIX COMPOSITES  
  CERMETS  
  CLAYS  
  DIELECTRICS  
  FRIT  
  GLASS  
  GLAZES  
  HIGH TEMPERATURE  
  SUPERCONDUCTORS  
  INJECTION MOLDING  
  MASONRY  
  ∞ MATERIALS SCIENCE  
  MORTARS (MATERIAL)  
  PHOTOACOUSTIC MICROSCOPY  
  PYROLYTIC MATERIALS  
  REACTION BONDING  
  REFRACTORIES  
  REFRACTORY COATINGS  
  REFRACTORY MATERIALS  
  SIALON  
  SILICON DIOXIDE  
  TILES

## CESIUM COMPOUNDS

### CERAMICS-(CONT.)

#### VITRIFICATION

#### CEREBELLUM

- GS ANATOMY
  - . NERVOUS SYSTEM
  - . CENTRAL NERVOUS SYSTEM
  - . BRAIN
  - . . . . CEREBELLUM

#### CEREBRAL CORTEX

- GS ANATOMY
  - . NERVOUS SYSTEM
  - . CENTRAL NERVOUS SYSTEM
  - . BRAIN
  - . . . . CEREBRUM
  - . . . . CEREBRAL CORTEX
- RT ∞CORTEXES

#### CEREBRAL VASCULAR ACCIDENTS

- RT CARDIOVASCULAR SYSTEM
- ∞STROKES

#### CEREBRAL VENTRICLES

- GS ANATOMY
  - . NERVOUS SYSTEM
  - . CENTRAL NERVOUS SYSTEM
  - . BRAIN
  - . . . . CEREBRAL VENTRICLES
- RT CEREBROSPINAL FLUID
- CEREBRUM

#### CEREBROSPINAL FLUID

- GS BODY FLUIDS
- . CEREBROSPINAL FLUID
- RT BRAIN
- CEREBRAL VENTRICLES
- ∞FLUIDS

#### CEREBRUM

- GS ANATOMY
  - . NERVOUS SYSTEM
  - . CENTRAL NERVOUS SYSTEM
  - . BRAIN
  - . . . . CEREBRUM
  - . . . . CEREBRAL CORTEX
  - . . . . OCCIPITAL LOBES
- RT CEREBRAL VENTRICLES

#### CERENKOV COUNTERS

- GS MEASURING INSTRUMENTS
  - . COUNTERS
  - . RADIATION COUNTERS
  - . . . CERENKOV COUNTERS
  - . RADIATION MEASURING INSTRUMENTS
  - . RADIATION COUNTERS
  - . . . CERENKOV COUNTERS
- RT SCINTILLATION COUNTERS

#### CERENKOV EFFECT

- USE CERENKOV RADIATION

#### CERENKOV RADIATION

- UF CERENKOV EFFECT
- GS ELECTROMAGNETIC RADIATION
- . CERENKOV RADIATION
- RT BREMSSTRAHLUNG
- CORPUSCULAR RADIATION
- COSMIC RAYS
- ∞EFFECTS
- GAMMA RAY BURSTS
- GAMMA RAYS
- LIGHT (VISIBLE RADIATION)
- NUCLEAR RADIATION
- ∞RADIATION
- ULTRAVIOLET RADIATION

#### CERES ASTEROID

- GS CELESTIAL BODIES
  - . ASTEROID BELTS
  - . ASTEROIDS
  - . . . CERES ASTEROID

#### CERESIN

- GS ORGANIC COMPOUNDS
  - . HYDROCARBONS
  - . ALIPHATIC HYDROCARBONS
  - . . . ALKANES
  - . . . . PARAFFINS
  - . . . . CERESIN
  - . WAXES
  - . . CERESIN
- RT PHASE CHANGE MATERIALS

### CERIUM

- GS CHEMICAL ELEMENTS
  - . RARE EARTH ELEMENTS
  - . . CERIUM
  - . . . CERIUM ISOTOPES
  - . . . . CERIUM 137
  - . . . . CERIUM 144

#### METALS

- . RARE EARTH ELEMENTS
- . . CERIUM
- . . . CERIUM ISOTOPES
- . . . . CERIUM 137
- . . . . CERIUM 144

### CERIUM COMPOUNDS

- GS RARE EARTH COMPOUNDS
  - . CERIUM COMPOUNDS
  - . . BASTNASITE
  - . . CERIUM OXIDES
- RT ∞CHEMICAL COMPOUNDS
- ∞METAL COMPOUNDS

### CERIUM ISOTOPES

- GS CHEMICAL ELEMENTS
  - . NUCLIDES
  - . . ISOTOPES
  - . . . CERIUM ISOTOPES
  - . . . . CERIUM 137
  - . . . . CERIUM 144
- . RARE EARTH ELEMENTS
- . . CERIUM
- . . . CERIUM ISOTOPES
- . . . . CERIUM 137
- . . . . CERIUM 144

#### METALS

- . RARE EARTH ELEMENTS
- . . CERIUM
- . . . CERIUM ISOTOPES
- . . . . CERIUM 137
- . . . . CERIUM 144

### CERIUM OXIDES

- GS CHALCOGENIDES
  - . OXIDES
  - . . METAL OXIDES
  - . . . CERIUM OXIDES
- . RARE EARTH COMPOUNDS
- . CERIUM COMPOUNDS
- . . CERIUM OXIDES

### CERIUM 137

- GS CHEMICAL ELEMENTS
  - . NUCLIDES
  - . . ISOTOPES
  - . . . CERIUM ISOTOPES
  - . . . . CERIUM 137
  - . . . . RADIOACTIVE ISOTOPES
  - . . . . CERIUM 137
- . RARE EARTH ELEMENTS
- . . CERIUM
- . . . CERIUM ISOTOPES
- . . . . CERIUM 137

#### METALS

- . RARE EARTH ELEMENTS
- . . CERIUM
- . . . CERIUM ISOTOPES
- . . . . CERIUM 137

### CERIUM 144

- GS CHEMICAL ELEMENTS
  - . NUCLIDES
  - . . ISOTOPES
  - . . . CERIUM ISOTOPES
  - . . . . CERIUM 144
  - . . . . RADIOACTIVE ISOTOPES
  - . . . . CERIUM 144
- . RARE EARTH ELEMENTS
- . . CERIUM
- . . . CERIUM ISOTOPES
- . . . . CERIUM 144

#### METALS

- . RARE EARTH ELEMENTS
- . . CERIUM
- . . . CERIUM ISOTOPES
- . . . . CERIUM 144

### CERMETS

- UF CERAMAL PROTECTIVE COATINGS
- CERAMALS
- GS COMPOSITE MATERIALS
- . CERMETS
- RT CERAMIC MATRIX COMPOSITES
- CERAMIC NUCLEAR FUELS
- CERAMICS
- HEAT RESISTANT ALLOYS

### CERMETS-(CONT.)

- METALS
- POWDER METALLURGY
- REFRACTORIES
- REFRACTORY MATERIALS

### CERTIFICATION

- RT AIRCRAFT RELIABILITY
- CHECKOUT
- EVALUATION
- FLIGHT TESTS
- PERFORMANCE TESTS
- PHYSIOLOGICAL TESTS
- PSYCHOLOGICAL TESTS
- QUALIFICATIONS
- QUALITY CONTROL
- SELECTION
- SITE SELECTION
- TRAINING EVALUATION

### CESIUM

- GS CHEMICAL ELEMENTS
  - . ALKALI METALS
  - . . CESIUM
  - . . . CESIUM ISOTOPES
  - . . . . CESIUM 133
  - . . . . CESIUM 134
  - . . . . CESIUM 137
  - . . . . CESIUM 144
- . METALS
- . . ALKALI METALS
- . . . CESIUM
- . . . CESIUM ISOTOPES
- . . . . CESIUM 133
- . . . . CESIUM 134
- . . . . CESIUM 137
- . . . . CESIUM 144

#### RT

- CESIUM ALLOYS
- CESIUM ANTIMONIDES
- CESIUM BROMIDES
- CESIUM DIODES
- CESIUM ENGINES
- CESIUM FLUORIDES
- CESIUM HALIDES
- CESIUM HYDRIDES
- CESIUM IODIDES
- CESIUM IONS
- CESIUM PLASMA
- CESIUM VAPOR

### CESIUM ALLOYS

- GS ALLOYS
- . CESIUM ALLOYS
- RT ALKALI METALS
- CESIUM

### CESIUM ANTIMONIDES

- GS ANTIMONY COMPOUNDS
  - . ANTIMONIDES
  - . . CESIUM ANTIMONIDES
- . CESIUM COMPOUNDS
- . . CESIUM ANTIMONIDES

#### RT

- CESIUM

### CESIUM BROMIDES

- GS CESIUM COMPOUNDS
  - . CESIUM HALIDES
  - . . CESIUM BROMIDES
- . HALOGEN COMPOUNDS
- . . BROMINE COMPOUNDS
- . . . BROMIDES
- . . . CESIUM BROMIDES
- . . . HALIDES
- . . . BROMIDES
- . . . CESIUM BROMIDES
- . . . METAL HALIDES
- . . . ALKALI HALIDES
- . . . . CESIUM HALIDES
- . . . . CESIUM BROMIDES

#### RT

- CESIUM

### CESIUM COMPOUNDS

- GS CESIUM COMPOUNDS
  - . CESIUM ANTIMONIDES
  - . CESIUM HALIDES
  - . . CESIUM BROMIDES
  - . . CESIUM FLUORIDES
  - . . CESIUM IODIDES
  - . . CESIUM HYDRIDES
  - . . CESIUM OXIDES
- RT ∞ALKALI METAL COMPOUNDS
- ∞CHEMICAL COMPOUNDS
- ∞METAL COMPOUNDS
- METAL FUELS

## CESIUM DIODES

### CESIUM DIODES

GS ELECTRON TUBES  
.. THERMIONIC DIODES  
.. **CESIUM DIODES**  
.. VACUUM TUBES  
.. **CESIUM DIODES**  
.. ELECTRONIC EQUIPMENT  
.. DIODES  
.. THERMIONIC DIODES  
.. **CESIUM DIODES**  
RT CESIUM  
.. PLASMA DIODES  
.. THERMIONIC CONVERTERS

### CESIUM ENGINES

GS ENGINES  
.. ROCKET ENGINES  
.. ELECTRIC ROCKET ENGINES  
.. ION ENGINES  
.. **CESIUM ENGINES**  
RT CESIUM  
.. ELECTROSTATIC ENGINES

### CESIUM FLUORIDES

GS CESIUM COMPOUNDS  
.. CESIUM HALIDES  
.. **CESIUM FLUORIDES**  
.. HALOGEN COMPOUNDS  
.. FLUORINE COMPOUNDS  
.. FLUORIDES  
.. METAL FLUORIDES  
.. **CESIUM FLUORIDES**  
.. HALIDES  
.. METAL HALIDES  
.. ALKALI HALIDES  
.. CESIUM HALIDES  
.. **CESIUM FLUORIDES**  
RT CESIUM

### CESIUM HALIDES

GS CESIUM COMPOUNDS  
.. **CESIUM HALIDES**  
.. CESIUM BROMIDES  
.. CESIUM FLUORIDES  
.. CESIUM IODIDES  
.. HALOGEN COMPOUNDS  
.. HALIDES  
.. METAL HALIDES  
.. ALKALI HALIDES  
.. **CESIUM HALIDES**  
.. CESIUM BROMIDES  
.. CESIUM FLUORIDES  
.. CESIUM IODIDES  
RT CESIUM

### CESIUM HYDRIDES

GS CESIUM COMPOUNDS  
.. **CESIUM HYDRIDES**  
.. HYDROGEN COMPOUNDS  
.. HYDRIDES  
.. METAL HYDRIDES  
.. **CESIUM HYDRIDES**  
RT CESIUM

### CESIUM IODIDES

GS CESIUM COMPOUNDS  
.. CESIUM HALIDES  
.. **CESIUM IODIDES**  
.. HALOGEN COMPOUNDS  
.. HALIDES  
.. METAL HALIDES  
.. ALKALI HALIDES  
.. CESIUM HALIDES  
.. **CESIUM IODIDES**  
.. IODINE COMPOUNDS  
.. IODIDES  
.. **CESIUM IODIDES**  
RT CESIUM

### CESIUM IONS

GS IONS  
.. **CESIUM IONS**  
RT CESIUM

### CESIUM ISOTOPES

GS CHEMICAL ELEMENTS  
.. ALKALI METALS  
.. CESIUM  
.. **CESIUM ISOTOPES**  
.. CESIUM 133  
.. CESIUM 134  
.. CESIUM 137  
.. CESIUM 144  
.. NUCLIDES  
.. ISOTOPES

### CESIUM ISOTOPES-(CONT.)

.. **CESIUM ISOTOPES**  
.. CESIUM 133  
.. CESIUM 134  
.. CESIUM 137  
.. CESIUM 144  
.. METALS  
.. ALKALI METALS  
.. CESIUM  
.. **CESIUM ISOTOPES**  
.. CESIUM 133  
.. CESIUM 134  
.. CESIUM 137  
.. CESIUM 144

### CESIUM OXIDES

GS CESIUM COMPOUNDS  
.. **CESIUM OXIDES**  
.. CHALCOGENIDES  
.. OXIDES  
.. METAL OXIDES  
.. **CESIUM OXIDES**

### CESIUM PLASMA

GS PARTICLES  
.. CHARGED PARTICLES  
.. ENERGETIC PARTICLES  
.. PLASMAS (PHYSICS)  
.. METALLIC PLASMAS  
.. **CESIUM PLASMA**  
RT CESIUM  
.. THERMIONIC CONVERTERS

### CESIUM VAPOR

GS CHEMICAL ELEMENTS  
.. ALKALI METALS  
.. **CESIUM VAPOR**  
.. NUCLIDES  
.. ISOTOPES  
.. **CESIUM VAPOR**  
.. METALS  
.. ALKALI METALS  
.. **CESIUM VAPOR**  
.. VAPORS  
.. **CESIUM VAPOR**  
RT CESIUM  
.. MERCURY VAPOR

### CESIUM 133

GS CHEMICAL ELEMENTS  
.. ALKALI METALS  
.. CESIUM  
.. CESIUM ISOTOPES  
.. **CESIUM 133**  
.. NUCLIDES  
.. ISOTOPES  
.. CESIUM ISOTOPES  
.. **CESIUM 133**  
.. METALS  
.. ALKALI METALS  
.. CESIUM  
.. CESIUM ISOTOPES  
.. **CESIUM 133**

### CESIUM 134

GS CHEMICAL ELEMENTS  
.. ALKALI METALS  
.. CESIUM  
.. CESIUM ISOTOPES  
.. **CESIUM 134**  
.. NUCLIDES  
.. ISOTOPES  
.. CESIUM ISOTOPES  
.. **CESIUM 134**  
.. RADIOACTIVE ISOTOPES  
.. **CESIUM 134**  
.. METALS  
.. ALKALI METALS  
.. CESIUM  
.. CESIUM ISOTOPES  
.. **CESIUM 134**

### CESIUM 137

GS CHEMICAL ELEMENTS  
.. ALKALI METALS  
.. CESIUM  
.. CESIUM ISOTOPES  
.. **CESIUM 137**  
.. NUCLIDES  
.. ISOTOPES  
.. CESIUM ISOTOPES  
.. **CESIUM 137**  
.. RADIOACTIVE ISOTOPES  
.. **CESIUM 137**  
.. METALS

### CESIUM 137-(CONT.)

.. ALKALI METALS  
.. CESIUM  
.. CESIUM ISOTOPES  
.. **CESIUM 137**

### CESIUM 144

GS CHEMICAL ELEMENTS  
.. ALKALI METALS  
.. CESIUM  
.. CESIUM ISOTOPES  
.. **CESIUM 144**  
.. NUCLIDES  
.. ISOTOPES  
.. CESIUM ISOTOPES  
.. **CESIUM 144**  
.. RADIOACTIVE ISOTOPES  
.. **CESIUM 144**  
.. METALS  
.. ALKALI METALS  
.. CESIUM  
.. CESIUM ISOTOPES  
.. **CESIUM 144**

### CESSNA AIRCRAFT

GS **CESSNA AIRCRAFT**  
.. A-37 AIRCRAFT  
.. CESSNA L-19 AIRCRAFT  
.. CESSNA 172 AIRCRAFT  
.. CESSNA 205 AIRCRAFT  
.. CESSNA 210 AIRCRAFT  
.. CESSNA 402B AIRCRAFT  
.. T-37 AIRCRAFT  
RT  $\infty$  AIRCRAFT

### CESSNA L-19 AIRCRAFT

GS CESSNA AIRCRAFT  
.. **CESSNA L-19 AIRCRAFT**  
.. LIGHT AIRCRAFT  
.. **CESSNA L-19 AIRCRAFT**  
.. MONOPLANES  
.. **CESSNA L-19 AIRCRAFT**  
.. OBSERVATION AIRCRAFT  
.. **CESSNA L-19 AIRCRAFT**  
.. RECONNAISSANCE AIRCRAFT  
.. **CESSNA L-19 AIRCRAFT**  
RT  $\infty$  AIRCRAFT

### CESSNA MILITARY AIRCRAFT

USE MILITARY AIRCRAFT

### CESSNA 172 AIRCRAFT

GS CESSNA AIRCRAFT  
.. **CESSNA 172 AIRCRAFT**  
.. GENERAL AVIATION AIRCRAFT  
.. **CESSNA 172 AIRCRAFT**  
.. LIGHT AIRCRAFT  
.. **CESSNA 172 AIRCRAFT**  
.. MONOPLANES  
.. **CESSNA 172 AIRCRAFT**  
.. PASSENGER AIRCRAFT  
.. **CESSNA 172 AIRCRAFT**  
.. SINGLE ENGINE AIRCRAFT  
.. **CESSNA 172 AIRCRAFT**  
RT  $\infty$  AIRCRAFT

### CESSNA 205 AIRCRAFT

GS CESSNA AIRCRAFT  
.. **CESSNA 205 AIRCRAFT**  
.. GENERAL AVIATION AIRCRAFT  
.. **CESSNA 205 AIRCRAFT**  
.. LIGHT AIRCRAFT  
.. **CESSNA 205 AIRCRAFT**  
.. MONOPLANES  
.. **CESSNA 205 AIRCRAFT**  
.. PASSENGER AIRCRAFT  
.. **CESSNA 205 AIRCRAFT**  
.. SINGLE ENGINE AIRCRAFT  
.. **CESSNA 205 AIRCRAFT**  
RT  $\infty$  AIRCRAFT

### CESSNA 210 AIRCRAFT

UF CENTURION AIRCRAFT  
GS CESSNA AIRCRAFT  
.. **CESSNA 210 AIRCRAFT**  
.. GENERAL AVIATION AIRCRAFT  
.. **CESSNA 210 AIRCRAFT**  
.. LIGHT AIRCRAFT  
.. **CESSNA 210 AIRCRAFT**  
.. MONOPLANES  
.. **CESSNA 210 AIRCRAFT**  
.. PASSENGER AIRCRAFT  
.. **CESSNA 210 AIRCRAFT**  
.. SINGLE ENGINE AIRCRAFT  
.. **CESSNA 210 AIRCRAFT**

## CHALCOGENIDES

**CESSNA 402B AIRCRAFT**  
 GS CESSNA AIRCRAFT  
 . CESSNA 402B AIRCRAFT  
 GENERAL AVIATION AIRCRAFT  
 . CESSNA 402B AIRCRAFT  
 LIGHT AIRCRAFT  
 . CESSNA 402B AIRCRAFT  
 MONOPLANES  
 . CESSNA 402B AIRCRAFT  
 PASSENGER AIRCRAFT  
 . CESSNA 402B AIRCRAFT  
 TRANSPORT AIRCRAFT  
 . SHORT HAUL AIRCRAFT  
 . CESSNA 402B AIRCRAFT  
 RT ∞ AIRCRAFT

**CETANE**  
 GS ORGANIC COMPOUNDS  
 . HYDROCARBONS  
 . ALIPHATIC HYDROCARBONS  
 . ALKANES  
 . CETANE

**CETYL COMPOUNDS**  
 GS ALKYL COMPOUNDS  
 . CETYL COMPOUNDS  
 RT ∞ CHEMICAL COMPOUNDS

**CEYLON**  
 USE SRI LANKA

**CF-104 AIRCRAFT**  
 USE CANADAIR AIRCRAFT  
 F-104 AIRCRAFT

**CF-700 ENGINE**  
 GS ENGINES  
 . AIR BREATHING ENGINES  
 . GAS TURBINE ENGINES  
 . JET ENGINES  
 . TURBOJET ENGINES  
 . TURBOFAN ENGINES  
 . CF-700 ENGINE  
 . INTERNAL COMBUSTION ENGINES  
 . GAS TURBINE ENGINES  
 . JET ENGINES  
 . TURBOJET ENGINES  
 . TURBOFAN ENGINES  
 . CF-700 ENGINE  
 . TURBINE ENGINES  
 . GAS TURBINE ENGINES  
 . JET ENGINES  
 . TURBOJET ENGINES  
 . TURBOFAN ENGINES  
 . CF-700 ENGINE  
 RT VERTICAL TAKEOFF AIRCRAFT

**CFD**  
 USE CHARGE FLOW DEVICES

**CFRP**  
 USE CARBON FIBER REINFORCED PLASTICS

**CH-3 HELICOPTER**  
 GS PASSENGER AIRCRAFT  
 . CH-3 HELICOPTER  
 SIKORSKY AIRCRAFT  
 . CH-3 HELICOPTER  
 TRANSPORT AIRCRAFT  
 . CH-3 HELICOPTER  
 V/STOL AIRCRAFT  
 . ROTARY WING AIRCRAFT  
 . HELICOPTERS  
 . MILITARY HELICOPTERS  
 . CH-3 HELICOPTER  
 . RIGID ROTOR HELICOPTERS  
 . CH-3 HELICOPTER  
 RT S-61 HELICOPTER

**CH-21 HELICOPTER**  
 UF H-21 HELICOPTER  
 SHAWNEE HELICOPTER  
 WORKHORSE HELICOPTER  
 GS BOEING AIRCRAFT  
 . CH-21 HELICOPTER  
 V/STOL AIRCRAFT  
 . ROTARY WING AIRCRAFT  
 . HELICOPTERS  
 . CH-21 HELICOPTER

**CH-34 HELICOPTER**  
 UF CHOCTAW HELICOPTER  
 H-34 HELICOPTER  
 GS SIKORSKY AIRCRAFT

**CH-34 HELICOPTER-(CONT.)**  
 . CH-34 HELICOPTER  
 TRANSPORT AIRCRAFT  
 . CH-34 HELICOPTER  
 V/STOL AIRCRAFT  
 . ROTARY WING AIRCRAFT  
 . HELICOPTERS  
 . MILITARY HELICOPTERS  
 . CH-34 HELICOPTER  
 RT S-58 HELICOPTER

**CH-46 HELICOPTER**  
 UF CH-113 HELICOPTER  
 HRB-1 HELICOPTER  
 SEA KNIGHT HELICOPTER  
 VOYAGEUR HELICOPTER  
 GS BOEING AIRCRAFT  
 . CH-46 HELICOPTER  
 PASSENGER AIRCRAFT  
 . CH-46 HELICOPTER  
 TRANSPORT AIRCRAFT  
 . CH-46 HELICOPTER  
 V/STOL AIRCRAFT  
 . ROTARY WING AIRCRAFT  
 . HELICOPTERS  
 . MILITARY HELICOPTERS  
 . CH-46 HELICOPTER  
 . TANDEM ROTOR HELICOPTERS  
 . CH-46 HELICOPTER

**CH-47 HELICOPTER**  
 UF CHINOOK HELICOPTER  
 HC-1 HELICOPTER  
 GS BOEING AIRCRAFT  
 . CH-47 HELICOPTER  
 PASSENGER AIRCRAFT  
 . CH-47 HELICOPTER  
 TRANSPORT AIRCRAFT  
 . CH-47 HELICOPTER  
 V/STOL AIRCRAFT  
 . ROTARY WING AIRCRAFT  
 . HELICOPTERS  
 . MILITARY HELICOPTERS  
 . CH-47 HELICOPTER  
 . TANDEM ROTOR HELICOPTERS  
 . CH-47 HELICOPTER

**CH-53 HELICOPTER**  
 USE H-53 HELICOPTER

**CH-54 HELICOPTER**  
 UF S-64 HELICOPTER  
 SIKORSKY S-64 HELICOPTER  
 SKYCRANE HELICOPTER  
 GS PASSENGER AIRCRAFT  
 . CH-54 HELICOPTER  
 SIKORSKY AIRCRAFT  
 . CH-54 HELICOPTER  
 TRANSPORT AIRCRAFT  
 . CH-54 HELICOPTER  
 V/STOL AIRCRAFT  
 . ROTARY WING AIRCRAFT  
 . HELICOPTERS  
 . MILITARY HELICOPTERS  
 . CH-54 HELICOPTER  
 . TANDEM ROTOR HELICOPTERS  
 . CH-54 HELICOPTER

**CH-62 HELICOPTER**  
 GS BOEING AIRCRAFT  
 . CH-62 HELICOPTER  
 V/STOL AIRCRAFT  
 . ROTARY WING AIRCRAFT  
 . HELICOPTERS  
 . MILITARY HELICOPTERS  
 . CH-62 HELICOPTER  
 . HEAVY LIFT HELICOPTERS  
 . CH-62 HELICOPTER  
 RT ∞ MILITARY AIRCRAFT

**CH-113 HELICOPTER**  
 USE CH-46 HELICOPTER

**CHAD**  
 GS NATIONS  
 . CHAD  
 RT AFRICA

**CHAFF**  
 GS COUNTERMEASURES  
 . ELECTRONIC COUNTERMEASURES  
 . CHAFF  
 RT DECEPTION  
 ELECTRONIC WARFARE  
 RADAR ECHOES

**CHAINS**  
 SN (EXCLUDES CHEMICAL BONDS AND  
 NUCLEAR REACTIONS)  
 RT ∞ BARRIERS  
 CABLES (ROPES)  
 FASTENERS  
 ∞ LINKS  
 MOLECULAR CHAINS

**CHAIRS**  
 USE SEATS

**CHALCOGENIDES**  
 GS **CHALCOGENIDES**  
 . OXIDES  
 . ANHYDRIDES  
 . PEROXIDES  
 . INORGANIC PEROXIDES  
 . ORGANIC PEROXIDES  
 . SODIUM PEROXIDES  
 . BORON OXIDES  
 . BRUCITE  
 . CARBON MONOXIDE  
 . CARBON SUBOXIDES  
 . CHLORINE OXIDES  
 . DIOXIDES  
 . CARBON DIOXIDE  
 . FLINT  
 . HYDROGEN PEROXIDE  
 . SILICON DIOXIDE  
 . QUARTZ  
 . COESITE  
 . STISHOVITE  
 . SULFUR DIOXIDES  
 . GERMANIUM OXIDES  
 . HEAVY WATER  
 . METAL OXIDES  
 . ALKALINE EARTH OXIDES  
 . BARIUM OXIDES  
 . BERYLLIUM OXIDES  
 . CALCIUM OXIDES  
 . AKERMANITE  
 . MAGNESIUM OXIDES  
 . AKERMANITE  
 . PERICLASE  
 . ALUMINUM OXIDES  
 . SAPPHIRE  
 . BISMUTH OXIDES  
 . CERIUM OXIDES  
 . CESIUM OXIDES  
 . CHROMIUM OXIDES  
 . COBALT OXIDES  
 . COPPER OXIDES  
 . GALLIUM OXIDES  
 . HAFNIUM OXIDES  
 . IRON OXIDES  
 . HEMATITE  
 . ILMENITE  
 . MAGNETITE  
 . LANTHANUM OXIDES  
 . LEAD OXIDES  
 . LITHIUM OXIDES  
 . MANGANESE OXIDES  
 . HOPCALITE (TRADEMARK)  
 . MERCURY OXIDES  
 . MIXED OXIDES  
 . MOLYBDENUM OXIDES  
 . NICKEL OXIDES  
 . NIOBIUM OXIDES  
 . PLATINUM OXIDES  
 . PLUTONIUM OXIDES  
 . POTASSIUM OXIDES  
 . SCANDIUM OXIDES  
 . SILVER OXIDES  
 . SODIUM PEROXIDES  
 . TANTALUM OXIDES  
 . THORIUM OXIDES  
 . TIN OXIDES  
 . TITANIUM OXIDES  
 . ANATASE  
 . ILMENITE  
 . RUTILE  
 . TUNGSTEN OXIDES  
 . SCHEELITE  
 . URANIUM OXIDES  
 . VANADIUM OXIDES  
 . YTTRIUM OXIDES  
 . ZINC OXIDES  
 . ZIRCONIUM OXIDES  
 . NITROGEN OXIDES  
 . NITRIC OXIDE  
 . NITROGEN DIOXIDE  
 . NITROGEN TETROXIDE  
 . NITROUS OXIDES  
 . PHOSPHORUS OXIDES

## CHALK

### CHALCOGENIDES-(CONT.)

- .. PYROXENES
- .. ENSTATITE
- .. SELENIUM OXIDES
- .. SILICON OXIDES
- .. MUSCOVITE
- .. NEPHELINE
- .. SILICON DIOXIDE
- .. QUARTZ
- .. COESITE
- .. STISHOVITE
- .. SPODUMENE
- .. SULFUR OXIDES
- .. SULFUR DIOXIDES
- .. SELENIDES
- .. CADMIUM SELENIDES
- .. COPPER SELENIDES
- .. GALLIUM SELENIDES
- .. LEAD SELENIDES
- .. ZINC SELENIDES
- .. SULFIDES
- .. DISULFIDES
- .. CARBON DISULFIDE
- .. INORGANIC SULFIDES
- .. BARIUM SULFIDES
- .. BISMUTH SULFIDES
- .. CADMIUM SULFIDES
- .. CALCIUM SULFIDES
- .. COPPER SULFIDES
- .. ENARGITE
- .. HYDROGEN SULFIDE
- .. INDIUM SULFIDES
- .. LEAD SULFIDES
- .. MOLYBDENUM SULFIDES
- .. MOLYBDENUM DISULFIDES
- .. POLYSULFIDES
- .. STRONTIUM SULFIDES
- .. ZINC SULFIDES
- .. WURTZITE
- .. ZINCBLENDE
- .. PYRITES
- .. PYRRHOTITE
- .. TROILITE
- .. TELLURIDES
- .. BISMUTH TELLURIDES
- .. CADMIUM TELLURIDES
- .. INDIUM TELLURIDES
- .. LANTHANUM TELLURIDES
- .. LEAD TELLURIDES
- .. MERCURY TELLURIDES
- .. TIN TELLURIDES
- .. ZINC TELLURIDES
- RT  $\infty$  GROUP 6A COMPOUNDS

### CHALK

- GS CALCIUM COMPOUNDS
- .. CALCIUM CARBONATES
- .. CHALK
- CARBON COMPOUNDS
- .. CARBONATES
- .. CALCIUM CARBONATES
- .. CHALK
- RT GYPSUM

### CHALLENGER (ORBITER)

- UF SPACE SHUTTLE ORBITER 099
- GS MANNED SPACECRAFT
- .. SPACE SHUTTLE ORBITERS
- .. CHALLENGER (ORBITER)
- REENTRY VEHICLES
- .. RECOVERABLE SPACECRAFT
- .. REUSABLE SPACECRAFT
- .. SPACE SHUTTLE ORBITERS
- .. CHALLENGER (ORBITER)
- RT SPACE SHUTTLE MISSION 31-B
- SPACE SHUTTLE MISSION 31-C
- SPACE SHUTTLE MISSION 31-D
- SPACE SHUTTLE MISSION 41-B
- SPACE SHUTTLE MISSION 41-C
- SPACE SHUTTLE MISSION 41-G
- SPACE SHUTTLE MISSION 51-B
- SPACE SHUTTLE MISSION 51-E
- SPACE SHUTTLE MISSION 51-F
- SPACE SHUTTLE MISSION 51-L
- SPACE SHUTTLE MISSION 61-A
- $\infty$  SPACECRAFT

### $\infty$ CHAMBERS

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT ANECHOIC CHAMBERS
- ARC CHAMBERS
- BUBBLE CHAMBERS
- CLOUD CHAMBERS

### CHAMBERS-(CONT.)

- COMBUSTION CHAMBERS
- CYLINDRICAL CHAMBERS
- FLEXING
- FLOW CHAMBERS
- HYPERBARIC CHAMBERS
- IONIZATION CHAMBERS
- PLENUM CHAMBERS
- PRESSURE CHAMBERS
- REVERBERATION CHAMBERS
- SPARK CHAMBERS
- TEST CHAMBERS
- THRUST CHAMBERS
- VACUUM CHAMBERS

### CHANCE-VOUGHT AIRCRAFT

- UF CHANCE-VOUGHT MILITARY AIRCRAFT
- RT  $\infty$  AIRCRAFT

### CHANCE-VOUGHT MILITARY AIRCRAFT

- USE CHANCE-VOUGHT AIRCRAFT
- MILITARY AIRCRAFT

### CHANDLER MOTION

- USE POLAR WANDERING (GEOLOGY)

### CHANDRASEKHAR EQUATION

- GS ANALYSIS (MATHEMATICS)
- .. REAL VARIABLES
- .. DIFFERENTIAL EQUATIONS
- .. CHANDRASEKHAR EQUATION
- RT ELECTROMAGNETIC ABSORPTION
- $\infty$  EQUATIONS

### CHANGE DETECTION

- GS DETECTION
- .. CHANGE DETECTION
- RT AERIAL PHOTOGRAPHY
- AERIAL RECONNAISSANCE
- EARTH RESOURCES PROGRAM
- IMAGE PROCESSING
- IMAGERY
- LAND USE
- MULTISPECTRAL BAND SCANNERS
- MULTISPECTRAL PHOTOGRAPHY
- PATTERN RECOGNITION
- PHOTOINTERPRETATION
- RADAR IMAGERY
- REMOTE SENSING
- SCENE ANALYSIS
- SIDE-LOOKING RADAR
- TERRAIN ANALYSIS

### CHANNEL CAPACITY

- RT ALOHA SYSTEM
- BANDWIDTH
- $\infty$  CAPACITY
- DEMAND ASSIGNMENT MULTIPLE
- ACCESS
- FREQUENCIES
- PACKET TRANSMISSION

### CHANNEL FLOW

- GS FLUID FLOW
- .. CHANNEL FLOW
- .. OPEN CHANNEL FLOW
- RT ANNULAR FLOW
- CORNER FLOW
- DREDGED MATERIALS
- DUCTED FLOW
- FLOW GEOMETRY
- FLUID INJECTION
- INCOMPRESSIBLE FLUIDS
- OUTLET FLOW
- PIPE FLOW
- WALL FLOW

### CHANNEL MULTIPLIERS

- UF CHANNELTRONS
- GS MULTIPLIERS
- .. CHANNEL MULTIPLIERS
- RT AURORAL SPECTROSCOPY
- ELECTRON AVALANCHE
- MICROCHANNEL PLATES
- PHOTOMULTIPLIER TUBES
- RADIATION COUNTERS

### CHANNEL NOISE

- RT ALOHA SYSTEM
- BACKGROUND NOISE
- ELECTROMAGNETIC NOISE
- NOISE SPECTRA
- RANDOM NOISE
- SIGNAL TO NOISE RATIOS

### CHANNEL NOISE-(CONT.)

- THERMAL NOISE
- TIME DIVISION MULTIPLE ACCESS

### CHANNEL WINGS

- GS AIRFOILS
- .. WINGS
- .. CHANNEL WINGS
- PLANFORMS
- .. WING PLANFORMS
- .. CHANNEL WINGS
- RT AERODYNAMIC CONFIGURATIONS
- AIRCRAFT DESIGN
- AIRCRAFT PARTS
- AIRCRAFT STRUCTURES

### $\infty$ CHANNELS

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT CHANNELS (DATA TRANSMISSION)
- COMPUTER STORAGE DEVICES
- DREDGED MATERIALS
- DUCTS
- FREQUENCIES
- MEDIA
- PARALLEL PLATES
- STRUCTURAL MEMBERS
- TELECOMMUNICATION
- THROATS

### CHANNELS (DATA TRANSMISSION)

- UF DATA BUSES
- RT  $\infty$  CHANNELS
- $\infty$  DATA
- DATA LINKS
- DATA PROCESSING
- DATA TRANSMISSION
- PROTOCOL (COMPUTERS)
- SINGLE CHANNEL PER CARRIER
- TRANSMISSION

### CHANNELTRONS

- USE CHANNEL MULTIPLIERS

### CHAOS

- SN (LIMITED TO PHYSICS)
- RT BRANCHING (MATHEMATICS)
- MATHEMATICAL MODELS
- NONLINEAR SYSTEMS
- PERIOD DOUBLING
- STOCHASTIC PROCESSES
- STRANGE ATTRACTORS

### CHAOTIC CLOUD PATTERNS

- USE CLOUDS (METEOROLOGY)

### CHAPARRAL

- GS PLANTS (BOTANY)
- .. BRUSH (BOTANY)
- .. CHAPARRAL
- RT BOTANY
- EARTH RESOURCES
- TREES (PLANTS)

### CHAPARRAL MISSILE

- GS MISSILES
- .. SURFACE TO AIR MISSILES
- .. CHAPARRAL MISSILE
- RT SPACE WEAPONS

### CHAPLYGIN EQUATION

- GS FLOW EQUATIONS
- .. CHAPLYGIN EQUATION
- RT  $\infty$  EQUATIONS
- HODOGRAPHS
- VECTOR SPACES

### CHAPMAN SHEAR LAYER

- USE SHEAR LAYERS

### CHAPMAN-ENSKOG THEORY

- UF ENSKOG-CHAPMAN THEORY
- GS KINETIC THEORY
- .. TRANSPORT THEORY
- .. CHAPMAN-ENSKOG THEORY
- BOLTZMANN TRANSPORT EQUATION
- DISTRIBUTION FUNCTIONS
- FLOW DISTRIBUTION
- MONATOMIC GASES
- RAREFIED GAS DYNAMICS
- TEMPERATURE GRADIENTS
- $\infty$  THEORIES
- THERMAL DIFFUSION

## CHARGED PARTICLES

### CHAPMAN-FERRARO PROBLEM

- RT ATMOSPHERIC MODELS
- EARTH MAGNETOSPHERE
- INTERPLANETARY MAGNETIC FIELDS
- MAGNETOPAUSE
- ∞ PROBLEMS
- SOLAR WIND

### CHAPMAN-JOUGET FLAME

- USE CHEMICAL EQUILIBRIUM
- DETONATION
- FLAME PROPAGATION

### CHARACTER RECOGNITION

- GS RECOGNITION
- . PATTERN RECOGNITION
- . . CHARACTER RECOGNITION
- RT ARTIFICIAL INTELLIGENCE
- CONTRAST
- ∞ DETECTORS
- GRAPHOLOGY
- HANDWRITING
- LEGIBILITY
- OPTICAL DATA PROCESSING
- OPTICAL SCANNERS
- PERCEPTION
- READERS
- READING
- RESOLUTION
- SCENE ANALYSIS
- ∞ SENSORS
- SYMBOLS
- VISIBILITY

### CHARACTERISTIC EQUATIONS

- USE EIGENVALUES
- EIGENVECTORS

### CHARACTERISTIC FUNCTIONS

- USE EIGENVALUES
- EIGENVECTORS

### CHARACTERISTIC METHOD

- USE METHOD OF CHARACTERISTICS

### ∞ CHARACTERISTICS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT AERODYNAMIC CHARACTERISTICS
- CAPACITANCE-VOLTAGE CHARACTERISTICS
- DYNAMIC CHARACTERISTICS
- FLIGHT CHARACTERISTICS
- FLOW CHARACTERISTICS
- METHOD OF CHARACTERISTICS
- POLARIZATION CHARACTERISTICS
- SEGRE CHARACTERISTIC
- SPRAY CHARACTERISTICS
- STATIC AERODYNAMIC CHARACTERISTICS
- VOLT-AMPERE CHARACTERISTICS

### CHARACTERIZATION

- RT DESCRIPTIONS
- EXAMINATION
- REPRESENTATIONS

### CHARACTERS

- USE SYMBOLS

### CHARCOAL

- GS CHARCOAL
- . ACTIVATED CARBON
- RT ADSORBENTS
- CARBON
- COKE
- FUELS

### CHARGE CARRIERS

- GS CHARGE CARRIERS
- . FREE ELECTRONS
- . HOLES (ELECTRON DEFICIENCIES)
- . MAJORITY CARRIERS
- . MINORITY CARRIERS
- RT CARRIER INJECTION
- CARRIER LIFETIME
- ∞ CARRIERS
- ELECTRON MOBILITY
- HOLE MOBILITY

### CHARGE COUPLED DEVICES

- UF CCD
- GS ELECTRONIC EQUIPMENT

### CHARGE COUPLED DEVICES-(CONT.)

- . SOLID STATE DEVICES
- . SEMICONDUCTOR DEVICES
- . . CHARGE TRANSFER DEVICES
- . . . CHARGE COUPLED DEVICES
- RT BUCKET BRIGADE DEVICES
- CCD STAR TRACKER
- CHARGE INJECTION DEVICES
- FOCAL PLANE DEVICES
- ITO (SEMICONDUCTORS)

### CHARGE DISTRIBUTION

- GS DISTRIBUTION (PROPERTY)
- . CHARGE DISTRIBUTION
- ELECTRICAL PROPERTIES
- . CHARGE DISTRIBUTION
- RT CURRENT DISTRIBUTION
- ELECTRON DISTRIBUTION
- ELECTROSTATIC CHARGE
- FORCE DISTRIBUTION
- HOLE DISTRIBUTION (ELECTRONICS)
- ION DISTRIBUTION
- MASS DISTRIBUTION
- NEUTRAL ATOMS
- POLARIZATION (CHARGE SEPARATION)

### CHARGE EFFICIENCY

- GS EFFICIENCY
- . CHARGE EFFICIENCY
- RT BATTERY CHARGERS
- ∞ CHARGING
- ELECTRIC BATTERIES
- PRIMARY BATTERIES
- RECHARGING
- STORAGE BATTERIES

### CHARGE EXCHANGE

- SN (LIMITED TO COLLISIONAL TRANSFER OF AN ELECTRON FROM A NEUTRAL ATOM OR MOLECULE TO AN ION--EXCLUDES SEMICONDUCTOR AND PHOTOCHEMICAL CHARGE TRANSFER)
- GS EXCHANGING
- . CHARGE EXCHANGE
- . . RESONANCE CHARGE EXCHANGE
- RT ELECTRON TRANSFER
- ION ATOM INTERACTIONS
- ION CHARGE
- ION PRODUCTION RATES
- PLASMA-PARTICLE INTERACTIONS
- RECOIL IONS

### CHARGE FLOW DEVICES

- UF CFD
- GS ELECTRONIC EQUIPMENT
- . SOLID STATE DEVICES
- . SEMICONDUCTOR DEVICES
- . . TRANSISTORS
- . . . FIELD EFFECT TRANSISTORS
- . . . . CHARGE FLOW DEVICES
- RT INTEGRATED CIRCUITS
- ∞ SENSORS

### CHARGE INJECTION DEVICES

- UF CID
- GS ELECTRONIC EQUIPMENT
- . SOLID STATE DEVICES
- . SEMICONDUCTOR DEVICES
- . . CHARGE TRANSFER DEVICES
- . . . CHARGE INJECTION DEVICES
- RT CHARGE COUPLED DEVICES
- ELECTRO-OPTICS
- IMAGING TECHNIQUES
- SEMICONDUCTORS (MATERIALS)
- STAR TRACKERS

### CHARGE SEPARATION

- USE POLARIZATION (CHARGE SEPARATION)

### CHARGE TRANSFER

- SN (EXCLUDES COLLISIONAL CHARGE EXCHANGE)
- RT CARRIER INJECTION
- CHARGED PARTICLES
- ELECTRON TRANSFER
- ION EXCHANGING
- IONIC REACTIONS
- MASS TRANSFER
- PHOTOCHEMICAL REACTIONS
- POLARIZATION (CHARGE SEPARATION)
- TRANSFERRING

### CHARGE TRANSFER DEVICES

- UF CTD
- GS ELECTRONIC EQUIPMENT

### CHARGE TRANSFER DEVICES-(CONT.)

- . SOLID STATE DEVICES
- . SEMICONDUCTOR DEVICES
- . . CHARGE TRANSFER DEVICES
- . . . BUCKET BRIGADE DEVICES
- . . . CHARGE COUPLED DEVICES
- . . . CHARGE INJECTION DEVICES
- RT ITO (SEMICONDUCTORS)
- ORGANIC CHARGE TRANSFER SALTS

### CHARGED PARTICLES

- SN (FOR IONIC PARTICLES SEE IONS)
- GS PARTICLES
- . CHARGED PARTICLES
- . . ANTI-PROTONS
- . . ENERGETIC PARTICLES
- . . . ELECTRONS
- . . . CONDUCTION ELECTRONS
- . . . HIGH ENERGY ELECTRONS
- . . . HOT ELECTRONS
- . . . N ELECTRONS
- . . . NEGATONS
- . . . PI-ELECTRONS
- . . . NUCLEI (NUCLEAR PHYSICS)
- . . . EVEN-EVEN NUCLEI
- . . . HEAVY NUCLEI
- . . . HYPERNUCLEI
- . . . ODD-EVEN NUCLEI
- . . . ODD-ODD NUCLEI
- . . . PLASMAS (PHYSICS)
- . . . ARGON PLASMA
- . . . BETA PARTICLES
- . . . BOUNDARY LAYER PLASMAS
- . . . COLD PLASMAS
- . . . COLLISIONAL PLASMAS
- . . . STRONGLY COUPLED PLASMAS
- . . . COLLISIONLESS PLASMAS
- . . . COSMIC PLASMA
- . . . CYLINDRICAL PLASMAS
- . . . DENSE PLASMAS
- . . . PLASMA FOCUS
- . . . STRONGLY COUPLED PLASMAS
- . . . ELECTRON PLASMA
- . . . ELLIPTICAL PLASMAS
- . . . HELIUM PLASMA
- . . . HIGH TEMPERATURE PLASMAS
- . . . HYDROGEN PLASMA
- . . . DEUTERIUM PLASMA
- . . . LASER PLASMAS
- . . . METALLIC PLASMAS
- . . . CESIUM PLASMA
- . . . MICROPLASMAS
- . . . NITROGEN PLASMA
- . . . NONEQUILIBRIUM PLASMAS
- . . . NONUNIFORM PLASMAS
- . . . OXYGEN PLASMA
- . . . RAREFIED PLASMAS
- . . . RELATIVISTIC PLASMAS
- . . . ROTATING PLASMAS
- . . . SEMICONDUCTOR PLASMAS
- . . . SPACE PLASMAS
- . . . SOLAR WIND
- . . . STELLAR WINDS
- . . . SPHERICAL PLASMAS
- . . . THERMAL PLASMAS
- . . . TOROIDAL PLASMAS
- . . . IONIZED GASES
- . . . LORENTZ GAS
- . . . MAGNETICALLY TRAPPED PARTICLES
- . . . RADIATION BELTS
- . . . ARTIFICIAL RADIATION BELTS
- . . . INNER RADIATION BELT
- . . . OUTER RADIATION BELT
- . . . PROTON BELTS
- . . . PARTONS
- . . . PLASMA CLOUDS
- . . . MAGNETIC CLOUDS
- . . . PLASMA JETS
- . . . RADIO JETS (ASTRONOMY)
- . . . PLASMA LAYERS
- . . . PLASMA SHEATHS
- . . . PLASMA SLABS
- . . . POSITRONS
- . . . PROTONS
- . . . RECOIL PROTONS
- . . . SOLAR PROTONS
- RT ANTINEUTRINOS
- ANTIPARTICLES
- BOSONS
- CHARGE TRANSFER
- CORPUSCULAR RADIATION
- COULOMB COLLISIONS
- COULOMB POTENTIAL
- CYCLOTRON FREQUENCY
- CYCLOTRON RADIATION
- CYCLOTRON RESONANCE

## CHARGING

### CHARGED PARTICLES-(CONT.)

DEUTERON IRRADIATION  
ELEMENTARY PARTICLES  
ETA-MESONS  
GYROFREQUENCY  
HELIOS PROJECT  
HYPERONS  
ION CHARGE  
KAONS  
LEPTONS  
LORENTZ FORCE  
MESON-NUCLEON INTERACTIONS  
MESONS  
MUON SPIN ROTATION  
MUONS  
NEUTRAL SHEETS  
NEUTRONS  
NONADIABATIC THEORY  
∞ NUCLEI  
NUCLEON-NUCLEON INTERACTIONS  
NUCLEONS  
OMEGA-MESONS  
PARTICLE CHARGING  
PARTICLE PRECIPITATION  
PARTICLE TRAJECTORIES  
PIONS  
REISSNER-NORDSTROM SOLUTION  
RHO-MESONS  
SIGMA-MESONS  
SINGLE EVENT UPSETS  
TRAPPED PARTICLES

### ∞ CHARGING

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT BATTERY CHARGERS  
CHARGE EFFICIENCY  
ELECTRIC CHARGE  
ELECTROSTATIC CHARGE  
EXPLOSIVE DEVICES  
EXPLOSIVES  
FILLING  
INJECTION  
MAGNETIC CHARGE DENSITY  
SCATHA SATELLITE

### CHARM (PARTICLE PHYSICS)

RT HADRONS  
LEPTONS  
PARTICLE INTERACTIONS  
PARTICLE THEORY  
∞ PHYSICS  
QUANTUM THEORY  
THEORETICAL PHYSICS

### CHARON

GS CELESTIAL BODIES  
NATURAL SATELLITES  
CHARON  
RT CALLISTO  
DEIMOS  
EARTH-MOON SYSTEM  
EUROPA  
GALILEAN SATELLITES  
GANYMEDE  
IAPETUS  
IO  
PLANETARY ORBITS  
PLUTO (PLANET)  
SOLAR SYSTEM  
TITAN

### CHARPY IMPACT TEST

GS IMPACT TESTS  
CHARPY IMPACT TEST  
NOTCH TESTS  
CHARPY IMPACT TEST  
RT BRITTLENESS  
DROP TESTS  
HARDNESS  
∞ MATERIALS TESTS  
NOTCH SENSITIVITY

### CHARRING

RT ABLATION  
CARBONIZATION  
COMBUSTION  
DECOMPOSITION  
FIRE DAMAGE  
OXIDATION  
THERMAL ABSORPTION

### CHARTS

GS CHARTS

### CHARTS-(CONT.)

FLOW CHARTS  
GRAPHS (CHARTS)  
BOND GRAPHS  
GOMPERTZ CURVES  
MOLLIER DIAGRAM  
PATTERSON MAP  
METEOROLOGICAL CHARTS  
NAUTICAL CHARTS  
RT BLOCK DIAGRAMS  
DIAGRAMS  
DISPLAY DEVICES  
DRAWINGS  
GRAPHIC ARTS  
MAPS  
NAVIGATION AIDS  
NOMOGRAPHS  
∞ PLOTS  
STATISTICAL ANALYSIS  
STATISTICAL TESTS  
VISUAL AIDS

### CHASSIS

GS FRAMES  
CHASSIS  
RT AUTOMOBILES  
CARRIAGES  
∞ HEADERS  
STRUTS  
SUPPORTS  
UNDERCARRIAGES

### CHEBYSHEV APPROXIMATION

GS ANALYSIS (MATHEMATICS)  
NUMERICAL ANALYSIS  
APPROXIMATION  
RT SERIES (MATHEMATICS)  
STATISTICAL ANALYSIS

### CHECKOUT

SN (SEQUENCE OF TESTS TO DETERMINE  
FUNCTIONAL READINESS OF  
EQUIPMENT)  
UF DEBUGGING  
RT AIRCRAFT MAINTENANCE  
CEFOAM CHECKOUT EQUIPMENT  
CERTIFICATION  
COLD FLOW TESTS  
COUNTDOWN  
FILE MAINTENANCE (COMPUTERS)  
INSPECTION  
MAINTENANCE  
PERFORMANCE TESTS  
PREFIRING TESTS  
PROGRAM VERIFICATION (COMPUTERS)  
SPACE VEHICLE CHECKOUT PROGRAM  
SPACECRAFT MAINTENANCE  
∞ TEST EQUIPMENT  
∞ TESTS

### CHECKOUT EQUIPMENT

USE TEST EQUIPMENT

### CHELATE COMPOUNDS

USE CHELATES

### CHELATES

UF CHELATE COMPOUNDS  
CHELATION  
RT CHEMICAL COMPOUNDS  
ORGANOMETALLIC COMPOUNDS

### CHELATION

RT CHELATES  
CHEMICAL REACTIONS

### CHEMICAL ANALYSIS

GS CHEMICAL TESTS  
CHEMICAL ANALYSIS  
CHROMATOGRAPHY  
GAS CHROMATOGRAPHY  
LIQUID CHROMATOGRAPHY  
PAPER CHROMATOGRAPHY  
THIN LAYER CHROMATOGRAPHY  
ELECTROPHOTOMETRY  
GAS ANALYSIS  
OZONOMETRY  
VAN SLYKE METHOD  
IODIMETRY  
KARL FISCHER REAGENT  
MICROANALYSIS  
NEUTRON ACTIVATION ANALYSIS  
POTENTIOMETRIC ANALYSIS  
QUALITATIVE ANALYSIS

### CHEMICAL ANALYSIS-(CONT.)

QUANTITATIVE ANALYSIS  
KJELDAHL METHOD  
VAN SLYKE METHOD  
SPECTROSCOPIC ANALYSIS  
URINALYSIS  
VOLUMETRIC ANALYSIS  
RT ALKALINITY  
ANALYTICAL CHEMISTRY  
∞ ANALYZING  
ASSAYING  
AUGER SPECTROSCOPY  
∞ CHEMISTRY  
COLORIMETRY  
COULOMETERS  
DENSITY MEASUREMENT  
DIFFRACTOMETERS  
ELECTRON PROBES  
FUEL TESTS  
GAS SPECTROSCOPY  
HYDROMETERS  
HYGROMETERS  
IDENTIFYING  
INFRARED SPECTROPHOTOMETERS  
INFRARED SPECTROSCOPY  
ION SELECTIVE ELECTRODES  
ISOTOPIC LABELING  
LASER SPECTROSCOPY  
MARS SURFACE SAMPLES  
MASS SPECTROMETERS  
MASS SPECTROSCOPY  
∞ MATERIALS TESTS  
∞ MEASUREMENT  
METALLICITY  
METHYLENE BLUE  
MOISTURE METERS  
MUTAGENS  
NEPHANALYSIS  
OPTICAL MEASUREMENT  
PARTICLE TRACKS  
PARTICULATE SAMPLING  
PHOTOMETRY  
PHYSICAL CHEMISTRY  
POLARIMETERS  
POLAROGRAPHY  
PSYCHROMETERS  
RADIOCHEMISTRY  
REAGENTS  
SAMPLING  
SPECTRAL SIGNATURES  
SPECTROMETERS  
SPECTROPHOTOMETERS  
SPECTROSCOPY  
∞ TESTS  
THERMOGRAVIMETRY  
TITRIMETERS  
X RAY ANALYSIS

### CHEMICAL ATTACK

GS CHEMICAL ATTACK  
INTERGRANULAR CORROSION  
TRANSGRANULAR CORROSION  
RT ∞ ATTACK  
CORROSION  
CORROSION PREVENTION  
CORROSION RESISTANCE  
CORROSION TESTS  
DEGRADATION  
DISSOLVING  
IMPREGNATING  
OXIDATION  
PASSIVITY  
PITTING  
RUSTING  
SCALE (CORROSION)

### CHEMICAL AUXILIARY POWER UNITS

GS AUXILIARY POWER SOURCES  
CHEMICAL AUXILIARY POWER UNITS  
RT ELECTRIC BATTERIES  
FUEL CELLS  
LEAD ACID BATTERIES  
MAGNESIUM CELLS

### CHEMICAL BONDS

UF MOLECULAR BONDS  
GS CHEMICAL BONDS  
COVALENT BONDS  
HYDROGEN BONDS  
RT AGGLOUTINATION  
BONDING  
COUPLED MODES  
COVALENCE  
CRYSTAL LATTICES  
IONIC CRYSTALS

## CHEMICAL ELEMENTS

### CHEMICAL BONDS-(CONT.)

LIGANDS  
MOLECULES  
MONATOMIC MOLECULES  
OCTETS  
POLYATOMIC MOLECULES  
POLYWATER  
SATURATION (CHEMISTRY)  
SWAN BANDS  
UNSATURATION (CHEMISTRY)  
VALENCE

### CHEMICAL CLEANING

GS CLEANING  
... **CHEMICAL CLEANING**  
... PICKLING (METALLURGY)  
RT DESCALING  
DISSOLVING

### CHEMICAL CLOUDS

GS CLOUDS (METEOROLOGY)  
... ARTIFICIAL CLOUDS  
... **CHEMICAL CLOUDS**  
... BARIUM ION CLOUDS  
RT CHEMICAL RELEASE MODULES  
PARTICLES  
PLASMA CLOUDS

### CHEMICAL COMPOSITION

GS COMPOSITION (PROPERTY)  
... **CHEMICAL COMPOSITION**  
... CARBON DIOXIDE CONCENTRATION  
... STELLAR COMPOSITION  
RT ALKALINITY  
ATMOSPHERIC COMPOSITION  
ATOM CONCENTRATION  
BODY COMPOSITION (BIOLOGY)  
DISTRIBUTION (PROPERTY)  
GAS COMPOSITION  
IONOSPHERIC COMPOSITION  
LIGANDS  
METALLIC STARS  
METALLICITY  
PLANETARY STRUCTURE  
SPECTRAL SIGNATURES

### ∞ CHEMICAL COMPOUNDS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT ACETYL COMPOUNDS  
ACTINIDE SERIES COMPOUNDS  
ADDUCTS  
∞ ALKALI METAL COMPOUNDS  
∞ ALKALINE EARTH COMPOUNDS  
ALKYL COMPOUNDS  
ALLYL COMPOUNDS  
ALUMINUM COMPOUNDS  
AMMINES  
AMMONIUM COMPOUNDS  
ANTIMONY COMPOUNDS  
∞ AROMATIC COMPOUNDS  
ARSENIC COMPOUNDS  
AZO COMPOUNDS  
BARIUM COMPOUNDS  
BERYLLIUM COMPOUNDS  
BISMUTH COMPOUNDS  
BORON COMPOUNDS  
BORON-EPOXY COMPOSITES  
BROMINE COMPOUNDS  
CADMIUM COMPOUNDS  
CALCIUM COMPOUNDS  
CARBON COMPOUNDS  
CARBONYL COMPOUNDS  
CERIUM COMPOUNDS  
CESIUM COMPOUNDS  
CETYL COMPOUNDS  
CHELATES  
∞ CHEMICALS  
CHLORINE COMPOUNDS  
CHROMIUM COMPOUNDS  
CLATHRATES  
COBALT COMPOUNDS  
COMPLEX COMPOUNDS  
COMPOUND A  
∞ COMPOUNDS  
CONGENERS  
COPPER COMPOUNDS  
CURIUM COMPOUNDS  
CYANO COMPOUNDS  
CYCLIC COMPOUNDS  
DEUTERIUM COMPOUNDS  
DIALLYL COMPOUNDS  
DIBASIC COMPOUNDS  
DIBUTYL COMPOUNDS

### CHEMICAL COMPOUNDS-(CONT.)

DIFLUORO COMPOUNDS  
DIPHENYL COMPOUNDS  
DOPA  
DYSPROSIUM COMPOUNDS  
EPOXY COMPOUNDS  
ERBIUM COMPOUNDS  
ETHYL COMPOUNDS  
ETHYLENE COMPOUNDS  
EUROPIUM COMPOUNDS  
FLUORINE COMPOUNDS  
FLUORINE ORGANIC COMPOUNDS  
FLUORO COMPOUNDS  
FURANS  
GALLIUM COMPOUNDS  
GERMANIUM COMPOUNDS  
∞ GROUP 1B COMPOUNDS  
∞ GROUP 2B COMPOUNDS  
∞ GROUP 3A COMPOUNDS  
∞ GROUP 3B COMPOUNDS  
∞ GROUP 4A COMPOUNDS  
∞ GROUP 4B COMPOUNDS  
∞ GROUP 5A COMPOUNDS  
∞ GROUP 5B COMPOUNDS  
∞ GROUP 6A COMPOUNDS  
∞ GROUP 6B COMPOUNDS  
∞ GROUP 7B COMPOUNDS  
∞ GROUP 8 COMPOUNDS  
HAFNIUM COMPOUNDS  
HALOCARBONS  
HALOGEN COMPOUNDS  
HETEROCYCLIC COMPOUNDS  
HEXYL COMPOUNDS  
HYDRAZINIUM COMPOUNDS  
HYDRAZONIUM COMPOUNDS  
HYDROGEN COMPOUNDS  
HYDROXYL COMPOUNDS  
INDIUM COMPOUNDS  
INORGANIC COMPOUNDS  
INTERCALATION  
IODINE COMPOUNDS  
IRON COMPOUNDS  
ISOPROPYL COMPOUNDS  
LANTHANUM COMPOUNDS  
LEAD COMPOUNDS  
LEAD ORGANIC COMPOUNDS  
LITHIUM COMPOUNDS  
LUTETIUM COMPOUNDS  
MAGNESIUM COMPOUNDS  
MANGANESE COMPOUNDS  
MERCURY COMPOUNDS  
∞ METAL COMPOUNDS  
METHOXY SYSTEMS  
METHYL COMPOUNDS  
MOLECULES  
MOLYBDENUM COMPOUNDS  
MONATOMIC MOLECULES  
NEODYMIUM COMPOUNDS  
NEPTUNIUM COMPOUNDS  
NICKEL COMPOUNDS  
NIOBIUM COMPOUNDS  
NITRO COMPOUNDS  
NITROGEN COMPOUNDS  
NITRONIUM COMPOUNDS  
NITROSO COMPOUNDS  
ORGANIC ALUMINUM COMPOUNDS  
ORGANIC BORON COMPOUNDS  
ORGANIC COMPOUNDS  
ORGANIC GERMANIUM COMPOUNDS  
ORGANIC LITHIUM COMPOUNDS  
ORGANIC PHOSPHORUS COMPOUNDS  
ORGANIC SEMICONDUCTORS  
ORGANIC SILICON COMPOUNDS  
ORGANIC SULFUR COMPOUNDS  
ORGANIC TIN COMPOUNDS  
ORGANOMETALLIC COMPOUNDS  
OSMIUM COMPOUNDS  
∞ OXYGEN COMPOUNDS  
OXYNITRIDES  
PALLADIUM COMPOUNDS  
PHOSGENE  
PHOSPHONIUM COMPOUNDS  
PHOSPHORUS COMPOUNDS  
PLATINUM COMPOUNDS  
PLUTONIUM COMPOUNDS  
POLONIUM COMPOUNDS  
POLYATOMIC MOLECULES  
POLYNUCLEAR ORGANIC COMPOUNDS  
POLYQUINOXALINES  
POTASSIUM COMPOUNDS  
PROPYL COMPOUNDS  
PROTACTINIUM COMPOUNDS  
RARE EARTH COMPOUNDS  
∞ RARE GAS COMPOUNDS  
REFRACTORY MATERIALS  
RHENIUM COMPOUNDS

### CHEMICAL COMPOUNDS-(CONT.)

RHODIUM COMPOUNDS  
RUBIDIUM COMPOUNDS  
RUTHENIUM COMPOUNDS  
SAMARIUM COMPOUNDS  
SCANDIUM COMPOUNDS  
SELENIUM COMPOUNDS  
SILICON COMPOUNDS  
SILVER COMPOUNDS  
SODIUM COMPOUNDS  
STRONTIUM COMPOUNDS  
STYPHNATES  
SULFUR COMPOUNDS  
TANTALUM COMPOUNDS  
TECHNETIUM COMPOUNDS  
TELLURIUM COMPOUNDS  
TETRAHYDROFURAN  
THIOLS  
THORIUM COMPOUNDS  
THULIUM COMPOUNDS  
TIN COMPOUNDS  
TITANIUM COMPOUNDS  
TRIETHYL COMPOUNDS  
TRIMETHYL COMPOUNDS  
TRINITRO COMPOUNDS  
TROPYL COMPOUNDS  
TUNGSTEN COMPOUNDS  
URANIUM COMPOUNDS  
VANADIUM COMPOUNDS  
VANADYL COMPOUNDS  
WISWESSER NOTATIONS  
XENON COMPOUNDS  
YTTERBIUM COMPOUNDS  
YTTRIUM COMPOUNDS  
ZINC COMPOUNDS  
ZIRCONIUM COMPOUNDS

### CHEMICAL DEFENSE

RT CIVIL DEFENSE  
CLOTHING  
DRUGS  
FIRST AID  
INJURIES  
MASKS  
NEUROLOGY  
PHYSIOLOGICAL FACTORS  
PROTECTIVE CLOTHING  
SAFETY DEVICES  
WARFARE

### CHEMICAL EFFECTS

RT BIOLOGICAL EFFECTS  
∞ EFFECTS  
STERILIZATION EFFECTS  
TEMPERATURE EFFECTS

### CHEMICAL ELEMENTS

GS **CHEMICAL ELEMENTS**  
... ACTINIDE SERIES  
... ACTINIUM  
... RADIUM  
... RADIUM ISOTOPES  
... RADIUM 226  
... THORIUM  
... THORIUM ISOTOPES  
... TRANSURANIUM ELEMENTS  
... AMERICIUM  
... AMERICIUM ISOTOPES  
... AMERICIUM 241  
... BERKELIUM  
... CALIFORNIUM  
... CALIFORNIUM ISOTOPES  
... CURIUM  
... CURIUM ISOTOPES  
... CURIUM 242  
... CURIUM 244  
... EINSTEINIUM  
... FERMIUM  
... LAWRENCIUM  
... MENDELEVIUM  
... MENDELEVIUM ISOTOPES  
... NEPTUNIUM  
... NEPTUNIUM ISOTOPES  
... NOBELIUM  
... PLUTONIUM  
... PLUTONIUM ISOTOPES  
... PLUTONIUM 238  
... PLUTONIUM 239  
... PLUTONIUM 240  
... PLUTONIUM 241  
... PLUTONIUM 244  
... SERGENIUM  
... URANIUM  
... URANIUM ISOTOPES  
... URANIUM 232



## CHARGING

### CHEMICAL ELEMENTS-(CONT.)

. . . URANIUM 233  
 . . . URANIUM 234  
 . . . URANIUM 235  
 . . . URANIUM 238  
 . . . ALKALI METALS  
 . . . CESIUM  
 . . . CESIUM ISOTOPES  
 . . . CESIUM 133  
 . . . CESIUM 134  
 . . . CESIUM 137  
 . . . CESIUM 144  
 . . . CESIUM VAPOR  
 . . . FRANCIUM  
 . . . LITHIUM  
 . . . LIQUID LITHIUM  
 . . . LITHIUM ISOTOPES  
 . . . POTASSIUM  
 . . . LIQUID POTASSIUM  
 . . . POTASSIUM ISOTOPES  
 . . . POTASSIUM 38  
 . . . POTASSIUM 39  
 . . . POTASSIUM 40  
 . . . RUBIDIUM  
 . . . RUBIDIUM ISOTOPES  
 . . . RUBIDIUM 86  
 . . . SODIUM  
 . . . LIQUID SODIUM  
 . . . SODIUM ISOTOPES  
 . . . SODIUM 22  
 . . . SODIUM 24  
 . . . SODIUM VAPOR  
 . . . ALKALINE EARTH METALS  
 . . . BARIUM ISOTOPES  
 . . . ALUMINUM  
 . . . ALUMINUM ISOTOPES  
 . . . ALUMINUM 26  
 . . . ALUMINUM 27  
 . . . BARIUM  
 . . . BARIUM ISOTOPES  
 . . . BERYLLIUM  
 . . . BERYLLIUM ISOTOPES  
 . . . BERYLLIUM 7  
 . . . BERYLLIUM 9  
 . . . BERYLLIUM 10  
 . . . BISMUTH  
 . . . BISMUTH ISOTOPES  
 . . . CADMIUM  
 . . . CADMIUM ISOTOPES  
 . . . CALCIUM  
 . . . CALCIUM ISOTOPES  
 . . . CARBON  
 . . . CARBON ISOTOPES  
 . . . CARBON 12  
 . . . CARBON 13  
 . . . CARBON 14  
 . . . CHROMIUM  
 . . . CHROMIUM ISOTOPES  
 . . . COBALT  
 . . . COBALT ISOTOPES  
 . . . COBALT 58  
 . . . COBALT 60  
 . . . COPPER  
 . . . COPPER ISOTOPES  
 . . . ELEMENT 104  
 . . . ELEMENT 105  
 . . . GALLIUM  
 . . . GALLIUM ISOTOPES  
 . . . GOLD  
 . . . GOLD ISOTOPES  
 . . . GOLD 198  
 . . . HAFNIUM  
 . . . HAFNIUM ISOTOPES  
 . . . HALOGENS  
 . . . ASTATINE  
 . . . BROMINE  
 . . . BROMINE ISOTOPES  
 . . . CHLORINE  
 . . . FLUORINE  
 . . . FLUORINE ISOTOPES  
 . . . IODINE  
 . . . IODINE ISOTOPES  
 . . . IODINE 125  
 . . . IODINE 131  
 . . . IODINE 132  
 . . . HEAVY ELEMENTS  
 . . . HYDROGEN  
 . . . HYDROGEN ISOTOPES  
 . . . DEUTERIUM  
 . . . HYDROGEN 4  
 . . . METALLIC HYDROGEN  
 . . . TRITIUM  
 . . . LIQUID HYDROGEN  
 . . . IRIIDIUM  
 . . . IRIIDIUM ISOTOPES

### CHEMICAL ELEMENTS-(CONT.)

. . . IRON  
 . . . IRON ISOTOPES  
 . . . IRON 57  
 . . . IRON 58  
 . . . IRON 59  
 . . . LEAD (METAL)  
 . . . LEAD ISOTOPES  
 . . . LIGHT ELEMENTS  
 . . . MAGNESIUM  
 . . . MAGNESIUM ISOTOPES  
 . . . MANGANESE  
 . . . MANGANESE ISOTOPES  
 . . . MERCURY (METAL)  
 . . . MERCURY ISOTOPES  
 . . . MERCURY VAPOR  
 . . . METALLOIDS  
 . . . ANTIMONY  
 . . . ANTIMONY ISOTOPES  
 . . . ARSENIC  
 . . . ARSENIC ISOTOPES  
 . . . BORON  
 . . . BORON ISOTOPES  
 . . . BORON 10  
 . . . GERMANIUM  
 . . . GERMANIUM ISOTOPES  
 . . . POLONIUM  
 . . . POLONIUM ISOTOPES  
 . . . POLONIUM 208  
 . . . POLONIUM 209  
 . . . POLONIUM 210  
 . . . SILICON  
 . . . AMORPHOUS SILICON  
 . . . SILICON ISOTOPES  
 . . . TELLURIUM  
 . . . TELLURIUM ISOTOPES  
 . . . MOLYBDENUM  
 . . . NICKEL  
 . . . NICKEL ISOTOPES  
 . . . NIOBIUM  
 . . . NIOBIUM ISOTOPES  
 . . . NIOBIUM 95  
 . . . NITROGEN  
 . . . LIQUID NITROGEN  
 . . . NITROGEN ISOTOPES  
 . . . NITROGEN 15  
 . . . NITROGEN 16  
 . . . SOLID NITROGEN  
 . . . NUCLIDES  
 . . . ISOTOPES  
 . . . ALUMINUM ISOTOPES  
 . . . ALUMINUM 26  
 . . . ALUMINUM 27  
 . . . ANTIMONY ISOTOPES  
 . . . ARGON ISOTOPES  
 . . . BARIUM ISOTOPES  
 . . . BERYLLIUM ISOTOPES  
 . . . BERYLLIUM 7  
 . . . BERYLLIUM 9  
 . . . BERYLLIUM 10  
 . . . BISMUTH ISOTOPES  
 . . . BORON ISOTOPES  
 . . . BORON 10  
 . . . BROMINE ISOTOPES  
 . . . CADMIUM ISOTOPES  
 . . . CALCIUM ISOTOPES  
 . . . CARBON ISOTOPES  
 . . . CARBON 12  
 . . . CARBON 13  
 . . . CARBON 14  
 . . . CERIUM ISOTOPES  
 . . . CERIUM 137  
 . . . CERIUM 144  
 . . . CESIUM ISOTOPES  
 . . . CESIUM 133  
 . . . CESIUM 134  
 . . . CESIUM 137  
 . . . CESIUM 144  
 . . . CESIUM VAPOR  
 . . . CHROMIUM ISOTOPES  
 . . . COBALT ISOTOPES  
 . . . COBALT 58  
 . . . COBALT 60  
 . . . DYSPROSIUM ISOTOPES  
 . . . ERBIUM ISOTOPES  
 . . . EUROPIUM ISOTOPES  
 . . . FLUORINE ISOTOPES  
 . . . GADOLINIUM ISOTOPES  
 . . . GALLIUM ISOTOPES  
 . . . GERMANIUM ISOTOPES  
 . . . HAFNIUM ISOTOPES  
 . . . HELIUM ISOTOPES  
 . . . HOLMIUM ISOTOPES  
 . . . HYDROGEN ISOTOPES  
 . . . DEUTERIUM  
 . . . HYDROGEN 4

### CHEMICAL ELEMENTS-(CONT.)

. . . TRITIUM  
 . . . IODINE ISOTOPES  
 . . . IODINE 125  
 . . . IODINE 131  
 . . . IODINE 132  
 . . . IRIIDIUM ISOTOPES  
 . . . IRON ISOTOPES  
 . . . IRON 57  
 . . . IRON 58  
 . . . IRON 59  
 . . . KRYPTON ISOTOPES  
 . . . KRYPTON 85  
 . . . LANTHANUM ISOTOPES  
 . . . LEAD ISOTOPES  
 . . . LITHIUM ISOTOPES  
 . . . LUTETIUM  
 . . . LUTETIUM ISOTOPES  
 . . . MANGANESE ISOTOPES  
 . . . MERCURY ISOTOPES  
 . . . MOLYBDENUM ISOTOPES  
 . . . NEODYMIUM ISOTOPES  
 . . . NEON ISOTOPES  
 . . . NICKEL ISOTOPES  
 . . . NIOBIUM ISOTOPES  
 . . . NIOBIUM 95  
 . . . NITROGEN ISOTOPES  
 . . . NITROGEN 15  
 . . . NITROGEN 16  
 . . . NOBELIUM ISOTOPES  
 . . . OXYGEN ISOTOPES  
 . . . OXYGEN 18  
 . . . PALLADIUM ISOTOPES  
 . . . PHOSPHORUS ISOTOPES  
 . . . PHOSPHORUS 32  
 . . . PLATINUM ISOTOPES  
 . . . POLONIUM ISOTOPES  
 . . . POLONIUM 208  
 . . . POLONIUM 209  
 . . . POLONIUM 210  
 . . . POTASSIUM ISOTOPES  
 . . . POTASSIUM 38  
 . . . POTASSIUM 39  
 . . . POTASSIUM 40  
 . . . PRASEODYMIUM ISOTOPES  
 . . . PROMETHIUM ISOTOPES  
 . . . PROTACTIONIUM ISOTOPES  
 . . . RADIOACTIVE ISOTOPES  
 . . . ARSENIC ISOTOPES  
 . . . ASTATINE ISOTOPES  
 . . . BERYLLIUM 7  
 . . . BERYLLIUM 9  
 . . . BERYLLIUM 10  
 . . . CARBON 14  
 . . . CERIUM 137  
 . . . CERIUM 144  
 . . . CESIUM 134  
 . . . CESIUM 137  
 . . . CESIUM 144  
 . . . COBALT 58  
 . . . COBALT 60  
 . . . GOLD ISOTOPES  
 . . . GOLD 198  
 . . . INDIUM ISOTOPES  
 . . . IODINE 125  
 . . . IODINE 131  
 . . . IODINE 132  
 . . . IRON 59  
 . . . KRYPTON 85  
 . . . NIOBIUM 95  
 . . . NITROGEN 16  
 . . . PHOSPHORUS 32  
 . . . POLONIUM 208  
 . . . POLONIUM 209  
 . . . POLONIUM 210  
 . . . POTASSIUM 38  
 . . . POTASSIUM 40  
 . . . RUBIDIUM 86  
 . . . SODIUM 22  
 . . . SODIUM 24  
 . . . STRONTIUM 85  
 . . . STRONTIUM 88  
 . . . STRONTIUM 89  
 . . . STRONTIUM 90  
 . . . TRANSURANIUM ELEMENTS  
 . . . AMERICIUM  
 . . . AMERICIUM ISOTOPES  
 . . . BERKELIUM  
 . . . CALIFORNIUM  
 . . . CALIFORNIUM ISOTOPES  
 . . . CURIUM  
 . . . CURIUM ISOTOPES  
 . . . EINSTEINIUM  
 . . . FERMIUM  
 . . . LAWRENCIUM  
 . . . MENDELEVIUM

## CHEMICAL FUELS

### CHEMICAL ELEMENTS-(CONT.)

. . . . . MENDELEVIUM ISOTOPES  
 . . . . . NEPTUNIUM  
 . . . . . NEPTUNIUM ISOTOPES  
 . . . . . NOBELIUM  
 . . . . . PLUTONIUM  
 . . . . . PLUTONIUM ISOTOPES  
 . . . . . SERGENIUM  
 . . . . . TRITIUM  
 . . . . . URANIUM 232  
 . . . . . URANIUM 233  
 . . . . . URANIUM 238  
 . . . . . XENON 133  
 . . . . . XENON 135  
 . . . . . ZIRCONIUM 95  
 . . . . . RADIUM ISOTOPES  
 . . . . . RADIUM 226  
 . . . . . RADON ISOTOPES  
 . . . . . RHODIUM ISOTOPES  
 . . . . . RUBIDIUM ISOTOPES  
 . . . . . RUBIDIUM 86  
 . . . . . RUTHENIUM ISOTOPES  
 . . . . . SCANDIUM ISOTOPES  
 . . . . . SELENIUM ISOTOPES  
 . . . . . SILVER ISOTOPES  
 . . . . . SODIUM ISOTOPES  
 . . . . . SODIUM 22  
 . . . . . SODIUM 24  
 . . . . . STRONTIUM ISOTOPES  
 . . . . . STRONTIUM 85  
 . . . . . STRONTIUM 87  
 . . . . . STRONTIUM 89  
 . . . . . STRONTIUM 90  
 . . . . . TANTALUM ISOTOPES  
 . . . . . TELLURIUM  
 . . . . . TELLURIUM ISOTOPES  
 . . . . . TERBIUM ISOTOPES  
 . . . . . THORIUM ISOTOPES  
 . . . . . THULIUM ISOTOPES  
 . . . . . TIN ISOTOPES  
 . . . . . TITANIUM ISOTOPES  
 . . . . . URANIUM ISOTOPES  
 . . . . . URANIUM 232  
 . . . . . URANIUM 233  
 . . . . . URANIUM 234  
 . . . . . URANIUM 235  
 . . . . . URANIUM 238  
 . . . . . VANADIUM ISOTOPES  
 . . . . . XENON ISOTOPES  
 . . . . . XENON 129  
 . . . . . XENON 133  
 . . . . . XENON 135  
 . . . . . YTTRIUM ISOTOPES  
 . . . . . ZINC ISOTOPES  
 . . . . . ZIRCONIUM ISOTOPES  
 . . . . . ZIRCONIUM 95  
 . . . . . OSMIUM  
 . . . . . OSMIUM ISOTOPES  
 . . . . . OXYGEN  
 . . . . . LIQUID OXYGEN  
 . . . . . OXYGEN ISOTOPES  
 . . . . . OXYGEN 17  
 . . . . . OXYGEN 18  
 . . . . . PALLADIUM  
 . . . . . PHOSPHORUS  
 . . . . . PHOSPHORUS ISOTOPES  
 . . . . . PHOSPHORUS 32  
 . . . . . PLATINUM  
 . . . . . PLATINUM ISOTOPES  
 . . . . . PROTACTINIUM  
 . . . . . PROTACTINIUM ISOTOPES  
 . . . . . RARE EARTH ELEMENTS  
 . . . . . CERIUM  
 . . . . . CERIUM ISOTOPES  
 . . . . . CERIUM 137  
 . . . . . CERIUM 144  
 . . . . . DYSPROSIUM  
 . . . . . DYSPROSIUM ISOTOPES  
 . . . . . ERBIUM  
 . . . . . ERBIUM ISOTOPES  
 . . . . . EUROPIUM  
 . . . . . EUROPIUM ISOTOPES  
 . . . . . GADOLINIUM  
 . . . . . GADOLINIUM ISOTOPES  
 . . . . . HOLMIUM  
 . . . . . HOLMIUM ISOTOPES  
 . . . . . LANTHANUM  
 . . . . . LANTHANUM ISOTOPES  
 . . . . . LUTETIUM  
 . . . . . LUTETIUM ISOTOPES  
 . . . . . NEODYMIUM  
 . . . . . NEODYMIUM ISOTOPES  
 . . . . . PRASEODYMIUM  
 . . . . . PRASEODYMIUM ISOTOPES  
 . . . . . PROMETHIUM  
 . . . . . PROMETHIUM ISOTOPES

### CHEMICAL ELEMENTS-(CONT.)

. . . . . SAMARIUM  
 . . . . . SAMARIUM ISOTOPES  
 . . . . . SCANDIUM  
 . . . . . SCANDIUM ISOTOPES  
 . . . . . TERBIUM  
 . . . . . TERBIUM ISOTOPES  
 . . . . . THULIUM  
 . . . . . THULIUM ISOTOPES  
 . . . . . YTTERBIUM  
 . . . . . YTTERBIUM ISOTOPES  
 . . . . . YTTRIUM  
 . . . . . YTTRIUM ISOTOPES  
 . . . . . RARE GASES  
 . . . . . ARGON  
 . . . . . ARGON ISOTOPES  
 . . . . . HELIUM  
 . . . . . HELIUM ISOTOPES  
 . . . . . LIQUID HELIUM  
 . . . . . LIQUID HELIUM 2  
 . . . . . KRYPTON  
 . . . . . KRYPTON ISOTOPES  
 . . . . . KRYPTON 85  
 . . . . . NEON  
 . . . . . LIQUID NEON  
 . . . . . NEON ISOTOPES  
 . . . . . RADON  
 . . . . . RADON ISOTOPES  
 . . . . . XENON  
 . . . . . XENON ISOTOPES  
 . . . . . XENON 129  
 . . . . . XENON 133  
 . . . . . XENON 135  
 . . . . . RHENIUM  
 . . . . . RHENIUM ISOTOPES  
 . . . . . RHODIUM  
 . . . . . RHODIUM ISOTOPES  
 . . . . . RUTHENIUM  
 . . . . . RUTHENIUM ISOTOPES  
 . . . . . SELENIUM  
 . . . . . SILVER  
 . . . . . SILVER ISOTOPES  
 . . . . . STRONTIUM  
 . . . . . STRONTIUM ISOTOPES  
 . . . . . STRONTIUM 85  
 . . . . . STRONTIUM 87  
 . . . . . STRONTIUM 89  
 . . . . . STRONTIUM 90  
 . . . . . SULFUR  
 . . . . . SULFUR ISOTOPES  
 . . . . . TANTALUM  
 . . . . . TANTALUM ISOTOPES  
 . . . . . TECHNETIUM  
 . . . . . THALLIUM  
 . . . . . THALLIUM ISOTOPES  
 . . . . . TIN  
 . . . . . TIN ISOTOPES  
 . . . . . TITANIUM  
 . . . . . TITANIUM ISOTOPES  
 . . . . . TUNGSTEN  
 . . . . . VANADIUM  
 . . . . . VANADIUM ISOTOPES  
 . . . . . ZINC  
 . . . . . ZINC ISOTOPES  
 . . . . . ZIRCONIUM  
 . . . . . ZIRCONIUM ISOTOPES  
 . . . . . ZIRCONIUM 95

RT

. . . . . ATOMS  
 . . . . . CHEMICALS  
 . . . . . ELEMENTS  
 . . . . . FERROUS METALS  
 . . . . . IONS  
 . . . . . ISOTOPIC ENRICHMENT  
 . . . . . LIGHT IONS  
 . . . . . METALS  
 . . . . . NONFERROUS METALS  
 . . . . . NUCLEAR ISOBARS  
 . . . . . PLASMAS (PHYSICS)  
 . . . . . TRACE CONTAMINANTS

### CHEMICAL ENERGY

GS . . . . . CHEMICAL ENERGY  
 . . . . . ENERGY OF FORMATION  
 RT . . . . . ENERGY  
 . . . . . FREE ENERGY  
 . . . . . INTERNAL ENERGY  
 . . . . . KINETIC ENERGY  
 . . . . . LEVEL  
 . . . . . MOLECULAR ENERGY LEVELS  
 . . . . . NUCLEAR ENERGY  
 . . . . . POTENTIAL ENERGY

### CHEMICAL ENGINEERING

RT . . . . . AEROTHERMOCHEMISTRY  
 . . . . . CHEMISTRY

### CHEMICAL ENGINEERING-(CONT.)

. . . . . COMBUSTION CHEMISTRY  
 . . . . . CRACKING (CHEMICAL ENGINEERING)  
 . . . . . DIFFUSION  
 . . . . . ENGINEERING  
 . . . . . FLUID FLOW  
 . . . . . FURNACES  
 . . . . . HEAT TRANSFER  
 . . . . . MATERIALS HANDLING  
 . . . . . OPERATIONS  
 . . . . . THERMOCHEMISTRY

### CHEMICAL EQUILIBRIUM

UF . . . . . CHAPMAN-JOUGET FLAME  
 . . . . . CHEMICAL SHIFT  
 GS . . . . . CHEMICAL EQUILIBRIUM  
 . . . . . ACID BASE EQUILIBRIUM  
 RT . . . . . ASSOCIATION REACTIONS  
 . . . . . BUFFERS (CHEMISTRY)  
 . . . . . DISSOCIATION  
 . . . . . EQUILIBRIUM  
 . . . . . HEAT OF DISSOCIATION  
 . . . . . PHASE RULE  
 . . . . . REACTION KINETICS  
 . . . . . THERMODYNAMIC EQUILIBRIUM

### CHEMICAL EVOLUTION

GS . . . . . EVOLUTION (DEVELOPMENT)  
 . . . . . CHEMICAL EVOLUTION  
 RT . . . . . ABIOTIC EVOLUTION  
 . . . . . BIOLOGICAL EVOLUTION  
 . . . . . EVOLUTION  
 . . . . . EXOBIOLOGY  
 . . . . . LIFE SCIENCES  
 . . . . . ORGANIC COMPOUNDS  
 . . . . . PROTEIN SYNTHESIS

### CHEMICAL EXPLOSIONS

GS . . . . . EXPLOSIONS  
 . . . . . CHEMICAL EXPLOSIONS  
 . . . . . GAS EXPLOSIONS  
 RT . . . . . AERIAL EXPLOSIONS  
 . . . . . COMBUSTION  
 . . . . . DETONABLE GAS MIXTURES  
 . . . . . DETONATION  
 . . . . . EXPLOSIVES  
 . . . . . FLAMMABLE GASES  
 . . . . . UNDERGROUND EXPLOSIONS  
 . . . . . UNDERWATER EXPLOSIONS

### CHEMICAL EXTINGUISHERS

USE . . . . . FIRE EXTINGUISHERS

### CHEMICAL FRACTIONATION

GS . . . . . FRACTIONATION  
 . . . . . CHEMICAL FRACTIONATION  
 RT . . . . . DISTILLATION  
 . . . . . REFINING  
 . . . . . SEPARATION

### CHEMICAL FUELS

GS . . . . . FUELS  
 . . . . . CHEMICAL FUELS  
 . . . . . ENDOTHERMIC FUELS  
 . . . . . HIGH ENERGY FUELS  
 . . . . . HYDROCARBON FUELS  
 . . . . . DIESEL FUELS  
 . . . . . GASOLINE  
 . . . . . JET ENGINE FUELS  
 . . . . . JP-4 JET FUEL  
 . . . . . JP-5 JET FUEL  
 . . . . . JP-6 JET FUEL  
 . . . . . JP-8 JET FUEL  
 . . . . . LIQUEFIED NATURAL GAS  
 . . . . . SYNTHANE  
 . . . . . LIQUID FUELS  
 . . . . . AIRCRAFT FUELS  
 . . . . . ANTIMISTING FUELS  
 . . . . . AUTOMOBILE FUELS  
 . . . . . DIESEL FUELS  
 . . . . . GASOLINE  
 . . . . . HYDROGEN FUELS  
 . . . . . JET ENGINE FUELS  
 . . . . . JP-4 JET FUEL  
 . . . . . JP-5 JET FUEL  
 . . . . . JP-6 JET FUEL  
 . . . . . JP-8 JET FUEL  
 . . . . . KEROSENE  
 . . . . . METAL FUELS  
 . . . . . SYNTHETIC FUELS  
 . . . . . GASOLINE (FUEL)  
 . . . . . SYNTHANE  
 RT . . . . . CLEAN FUELS  
 . . . . . EXPLOSIVES  
 . . . . . FUEL PRODUCTION

## CHEMICAL INDICATORS

### CHEMICAL FUELS-(CONT.)

- GELLED PROPELLANTS
- GELLED ROCKET PROPELLANTS
- HYBRID PROPELLANTS
- MONOPROPELLANTS
- PLASTIC PROPELLANTS
- PROPELLANTS
- PYROTECHNICS
- SOLID PROPELLANTS

### CHEMICAL INDICATORS

- RT ∞ INDICATORS
- METHYLENE BLUE
- PHLOROGLUCINOL

### CHEMICAL KINETICS

- USE REACTION KINETICS

### CHEMICAL LASERS

- GS STIMULATED EMISSION DEVICES
- LASERS
- CHEMICAL LASERS
- HCL LASERS
- RT ARGON LASERS
- CARBON DIOXIDE LASERS
- CARBON LASERS
- CARBON MONOXIDE LASERS
- GAS LASERS
- HCN LASERS
- HF LASERS
- INFRARED LASERS
- LIQUID LASERS
- ORGANIC LASERS
- Q SWITCHED LASERS
- TEA LASERS
- TUBE LASERS

### CHEMICAL MACHINING

- UF CHEMICAL MILLING
- GS MACHINING
- CHEMICAL MACHINING
- ELECTROCHEMICAL MACHINING
- RT MILLING (MACHINING)

### CHEMICAL MILLING

- USE CHEMICAL MACHINING

### CHEMICAL PROPERTIES

- GS CHEMICAL PROPERTIES
- ACIDITY
- SALINITY
- THERMOCHEMICAL PROPERTIES
- HEAT OF COMBUSTION
- HEAT OF DISSOCIATION
- HEAT OF FORMATION
- HEAT OF SOLUTION
- LATENT HEAT
- HEAT OF FUSION
- HEAT OF VAPORIZATION
- RT ADSORPTIVITY
- ∞ HIGH RESISTANCE
- HYGROSCOPICITY
- ∞ LOW RESISTANCE
- MOISTURE CONTENT
- PASSIVITY
- ∞ PHYSICAL PROPERTIES
- PROPELLANT PROPERTIES
- ∞ PROPERTIES
- ∞ RESISTANCE
- THERMODYNAMIC PROPERTIES
- TOXICITY
- TOXICITY AND SAFETY HAZARD

### CHEMICAL PROPULSION

- UF CHEMONUCLEAR PROPULSION
- GS PROPULSION
- CHEMICAL PROPULSION
- HYBRID PROPULSION
- RT JET PROPULSION
- MARINE PROPULSION
- SPACECRAFT PROPULSION
- UNDERWATER PROPULSION

### CHEMICAL REACTION CONTROL

- RT AGITATION
- ∞ CONTROL
- ∞ REACTION CONTROL
- TEMPERATURE CONTROL

### CHEMICAL REACTIONS

- UF FLAME INTERACTION
- GS CHEMICAL REACTIONS
- ACYLATION
- ACETYLATION

### CHEMICAL REACTIONS-(CONT.)

- ALKYLATION
- AMMONOLYSIS
- ASSOCIATION REACTIONS
- ATOMIC RECOMBINATION
- OXYGEN RECOMBINATION
- CARBONIZATION
- CARBOXYLATION
- COPOLYMERIZATION
- CRACKING (CHEMICAL ENGINEERING)
- HYDROCRACKING
- PYROLYSIS
- DECARBONATION
- DECARBOXYLATION
- DEFLUORINATION
- DEHYDROGENATION
- DEIONIZATION
- DENITROGENATION
- DEPOLYMERIZATION
- DESULFURIZING
- DIELS-ALDER REACTIONS
- ENDOTHERMIC REACTIONS
- EPOXIDATION
- EXOTHERMIC REACTIONS
- FERMENTATION
- FRIEDEL-CRAFT REACTION
- GLYCOLYSIS
- GRIGNARD REACTIONS
- HALOGENATION
- BROMINATION
- CHLORINATION
- FLUORINATION
- HYDROBORATION
- HYDROGENOLYSIS
- HYDROCRACKING
- HYDROLYSIS
- ION RECOMBINATION
- METAL-WATER REACTIONS
- METATHESIS
- METHANATION
- METHYLATION
- MICHAEL REACTION
- NITRATION
- NITRIDING
- NITROGENATION
- NITROLYSIS
- OXIDATION
- ELECTROCHEMICAL OXIDATION
- PHOTOOXIDATION
- RUSTING
- OXIDATION-REDUCTION REACTIONS
- OXYGENATION
- PHOSPHORYLATION
- PHOTOCHEMICAL REACTIONS
- PHOTOCHROMISM
- PHOTODECOMPOSITION
- PHOTOLYSIS
- PHOTOSYNTHESIS
- RADIOLYSIS
- PYROHYDROLYSIS
- REDUCTION (CHEMISTRY)
- DEOXIDIZING
- HYDROGENATION
- SABATIER REACTION
- SULFATION
- SULFIDATION
- THERMAL DECOMPOSITION
- PYROLYSIS
- THERMAL DISSOCIATION
- TITRATION
- RT BIOSYNTHESIS
- CHELATION
- COMBUSTION CHEMISTRY
- CORROSION
- GAS-METAL INTERACTIONS
- HYDRATION
- INTERSTELLAR CHEMISTRY
- ∞ OPERATIONS
- PARTICLE INTERACTIONS
- PLASMA JET SYNTHESIS
- POLYMERIZATION
- RADIOCHEMICAL SEPARATION
- ∞ REACTION
- REACTION BONDING
- REACTION KINETICS
- REACTIVITY
- REAGENTS
- SODALITE
- SOLVATION
- STOICHIOMETRY
- SURFACE REACTIONS
- ∞ SYNTHESIS
- SYNTHESIS (CHEMISTRY)
- SYNTHETIC FUELS
- THERMOCHEMISTRY

### CHEMICAL REACTORS

- RT AUTOCLAVES
- BEDS (PROCESS ENGINEERING)
- BURNERS
- COLUMNS (PROCESS ENGINEERING)
- CONTACTORS
- FLUIDIZED BED PROCESSORS
- FURNACES
- GAS GENERATORS
- ∞ GAS REACTORS
- REACTOR DESIGN
- REACTOR MATERIALS
- REACTOR SAFETY
- ∞ REACTORS
- SYNTHESIZERS
- TANKS (CONTAINERS)
- WATER COOLED REACTORS

### CHEMICAL RELAXATION

- USE MOLECULAR RELAXATION

### CHEMICAL RELEASE MODULES

- GS MODULES
- CHEMICAL RELEASE MODULES
- RT CHEMICAL CLOUDS
- DISPERSING

### CHEMICAL SHIFT

- USE CHEMICAL EQUILIBRIUM

### CHEMICAL STERILIZATION

- GS CLEANING
- STERILIZATION
- CHEMICAL STERILIZATION
- RT ANTISEPTICS
- BACTERICIDES
- ETHYLENE OXIDE
- PURIFICATION
- SEWAGE TREATMENT
- SPACECRAFT STERILIZATION

### CHEMICAL TESTS

- GS CHEMICAL TESTS
- CHEMICAL ANALYSIS
- CHROMATOGRAPHY
- GAS CHROMATOGRAPHY
- LIQUID CHROMATOGRAPHY
- PAPER CHROMATOGRAPHY
- THIN LAYER CHROMATOGRAPHY
- ELECTROPHOTOMETRY
- GAS ANALYSIS
- OZONOMETRY
- VAN SLYKE METHOD
- IODIMETRY
- KARL FISCHER REAGENT
- MICROANALYSIS
- NEUTRON ACTIVATION ANALYSIS
- POTENTIOMETRIC ANALYSIS
- QUALITATIVE ANALYSIS
- QUANTITATIVE ANALYSIS
- KJELDAHL METHOD
- VAN SLYKE METHOD
- SPECTROSCOPIC ANALYSIS
- URINALYSIS
- VOLUMETRIC ANALYSIS
- SALT SPRAY TESTS
- RT CORROSION RESISTANCE
- GAS SPECTROSCOPY
- HIGH TEMPERATURE TESTS
- INSPECTION
- LOW TEMPERATURE TESTS
- NONDESTRUCTIVE TESTS
- QUALITY CONTROL
- SAMPLING
- STAINING
- ∞ TESTS

### CHEMICAL VAPOR DEPOSITION

- USE VAPOR DEPOSITION

### CHEMICAL WARFARE

- GS WARFARE
- CHEMICAL WARFARE
- RT BIOCHEMISTRY
- PHYSIOLOGICAL FACTORS

### ∞ CHEMICALS

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT ∞ CHEMICAL COMPOUNDS
- CHEMICAL ELEMENTS

**CHEMILUMINESCENCE**

GS EMISSION  
 . LIGHT EMISSION  
 . . LUMINESCENCE  
 . . . **CHEMILUMINESCENCE**  
 RT AIRGLOW  
 PHOSPHORESCENCE

**CHEMISORPTION**

GS SORPTION  
 . ADSORPTION  
 . . **CHEMISORPTION**  
 RT ADSORPTIVITY  
 GAS-METAL INTERACTIONS  
 HYDROGEN EMBRITTLEMENT  
 MASKING

**∞ CHEMISTRY**

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT AEROTHERMOCHEMISTRY  
 AEROTHERMODYNAMICS  
 ANALYTICAL CHEMISTRY  
 ATMOSPHERIC CHEMISTRY  
 BIOCHEMISTRY  
 BIOGEOCHEMISTRY  
 CHEMICAL ANALYSIS  
 CHEMICAL ENGINEERING  
 CHEMOTHERAPY  
 COMBUSTION CHEMISTRY  
 COMPUTATIONAL CHEMISTRY  
 CRYOCHEMISTRY  
 ELECTROCHEMISTRY  
 ENVIRONMENTAL CHEMISTRY  
 GEOCHEMISTRY  
 HYDROXYL RADICALS  
 INORGANIC CHEMISTRY  
 INTERSTELLAR CHEMISTRY  
 MARINE CHEMISTRY  
 NUCLEAR CHEMISTRY  
 ORGANIC CHEMISTRY  
 PHOTOELECTROCHEMISTRY  
 PHYSICAL CHEMISTRY  
 ∞ PHYSICAL SCIENCES  
 PHYSICS AND CHEMISTRY EXPERIMENT  
 IN SPACE  
 PHYSIOCHEMISTRY  
 PLASMA CHEMISTRY  
 POLYMER CHEMISTRY  
 PRECIPITATION (CHEMISTRY)  
 PROPELLANT CHEMISTRY  
 QUANTUM CHEMISTRY  
 RADIATION CHEMISTRY  
 RADIOCHEMISTRY  
 REDUCTION (CHEMISTRY)  
 SATURATION (CHEMISTRY)  
 STEREOCHEMISTRY  
 STOICHIOMETRY  
 SYNTHESIS (CHEMISTRY)  
 THERMOCHEMISTRY  
 UNSATURATION (CHEMISTRY)  
 WISWESSER NOTATIONS

**CHEMONUCLEAR PROPULSION**

USE CHEMICAL PROPULSION  
 NUCLEAR PROPULSION

**CHEMORECEPTORS**

GS ANATOMY  
 . SENSE ORGANS  
 . . **CHEMORECEPTORS**  
 . . . RECEPTORS (PHYSIOLOGY)  
 . **CHEMORECEPTORS**  
 RT CAROTID SINUS BODY  
 OLFACTORY PERCEPTION  
 TASTE

**CHEMOSPHERE**

GS EARTH ATMOSPHERE  
 . **CHEMOSPHERE**  
 RT BIOSPHERE  
 EARTH IONOSPHERE  
 HETEROSPHERE  
 HOMOSPHERE  
 LOWER ATMOSPHERE  
 MESOSPHERE  
 MIDDLE ATMOSPHERE  
 OZONOSPHERE  
 PLASMASPHERE  
 STRATOSPHERE  
 THERMOSPHERE  
 TROPOSPHERE  
 UPPER ATMOSPHERE

**CHEMOTHERAPY**

UF DRUG THERAPY  
 GS THERAPY  
 . **CHEMOTHERAPY**  
 RT ANTISEPTICS  
 ∞ CHEMISTRY  
 DRUGS

**CHENA RIVER BASIN (AK)**

GS LANDFORMS  
 . STRUCTURAL BASINS  
 . . RIVER BASINS  
 . . . **CHENA RIVER BASIN (AK)**  
 RT ALASKA

**CHESAPEAKE BAY (US)**

GS BAYS (TOPOGRAPHIC FEATURES)  
 . **CHESAPEAKE BAY (US)**  
 RT ESTUARIES  
 MARYLAND  
 RIVER BASINS  
 SOUNDS (TOPOGRAPHIC FEATURES)  
 VIRGINIA

**CHEST**

GS ANATOMY  
 . **CHEST**  
 RT THORAX  
 TORSO

**CHEWING**

USE MASTICATION

**CHIASMS**

GS CROSSINGS  
 . **CHIASMS**

**CHICKENS**

GS ANIMALS  
 . VERTEBRATES  
 . . BIRDS  
 . . . **CHICKENS**

**CHILD DEVICE**

RT LEARNING  
 LEARNING THEORY  
 TRAINING DEVICES

**CHILD-LANGMUIR LAW**

GS LAWS  
 . **CHILD-LANGMUIR LAW**  
 RT PERVEANCE  
 SPACE CHARGE  
 THERMIONIC DIODES

**CHILDREN**

RT FEMALES  
 HUMAN BEINGS  
 MALES  
 PARENTS  
 PROGENY

**CHILE**

GS NATIONS  
 . **CHILE**  
 RT SOUTH AMERICA

**CHILLING**

USE COOLING

**CHIMES**

USE AUDITORY SIGNALS

**CHIMNEYS**

RT BUILDINGS  
 EXHAUST SYSTEMS  
 FLUES  
 FURNACES  
 PLUMES  
 STACKS  
 VENTS  
 WASTE ENERGY UTILIZATION

**CHIMPANZEES**

GS ANIMALS  
 . VERTEBRATES  
 . . MAMMALS  
 . . . PRIMATES  
 . . . . APES  
 . . . . . **CHIMPANZEES**  
 RT HUMAN BEINGS

**CHIN**

GS ANATOMY

**CHIN-(CONT.)**

. FACE (ANATOMY)  
 . . **CHIN**  
 RT BONES  
 HEAD (ANATOMY)

**CHINA**

UF CHINA (COMMUNIST) MAINLAND  
 CHINESE PEOPLES REPUBLIC  
 NATIONS  
 . **CHINA**  
 RT ASIA  
 CHINESE AIRCRAFT  
 CHINESE SPACE PROGRAM  
 CHINESE SPACECRAFT  
 HONG KONG  
 TAIWAN

**CHINA (COMMUNIST) MAINLAND**

USE CHINA

**CHINESE AIRCRAFT**

RT ∞ AIRCRAFT  
 CHINA

**CHINESE PEOPLES REPUBLIC**

USE CHINA

**CHINESE SPACE PROGRAM**

GS PROGRAMS  
 . SPACE PROGRAMS  
 . . **CHINESE SPACE PROGRAM**  
 RT CHINA  
 ∞ RESEARCH PROJECTS  
 SPACE MISSIONS  
 TAIWAN

**CHINESE SPACECRAFT**

RT CHINA  
 ∞ SPACECRAFT  
 TAIWAN

**CHINOOK HELICOPTER**

USE CH-47 HELICOPTER

**CHIPPING**

RT ABRASION  
 COMMINUTION  
 CUTTING  
 FLAKING  
 FRACTURING  
 FRAGMENTATION  
 PITTING  
 ∞ SEPARATION  
 SPALLING  
 SPLITTING  
 WEAR

**CHIPS**

RT CHIPS (ELECTRONICS)  
 FRAGMENTS  
 SCRAP

**CHIPS (ELECTRONICS)**

RT CHIPS  
 INTEGRATED CIRCUITS  
 LARGE SCALE INTEGRATION  
 SYSTOLIC ARRAYS  
 VERY LARGE SCALE INTEGRATION  
 VHSIC (CIRCUITS)

**CHIPS (MEMORY DEVICES)**

RT ∞ DEVICES  
 INTEGRATED CIRCUITS  
 METAL-NITRIDE-OXIDE-SEMICONDUCTOR  
 S  
 SEMICONDUCTOR DEVICES

**CHIRAL DYNAMICS**

RT ∞ DYNAMICS  
 GROUP THEORY  
 LAGRANGE MULTIPLIERS  
 MATRICES (MATHEMATICS)

**CHIRON**

UF MINOR PLANET 2060  
 GS CELESTIAL BODIES  
 . ASTEROID BELTS  
 . . ASTEROIDS  
 . . . **CHIRON**  
 RT APOLLO ASTEROIDS  
 METEORIDS  
 PLANETS  
 SOLAR SYSTEM

## CHIRONOMUS FLIES

### CHIRON-(CONT.)

SPACE DEBRIS

### CHIRONOMUS FLIES

GS ANIMALS  
INVERTEBRATES  
ARTHROPODS  
INSECTS  
CHIRONOMUS FLIES  
RT DROSOPHILA  
INFESTATION

### CHIRP

GS ELECTROMAGNETIC INTERFERENCE  
RADIO FREQUENCY INTERFERENCE  
CHIRP  
CHIRP SIGNALS

### CHIRP SIGNALS

GS ELECTROMAGNETIC INTERFERENCE  
RADIO FREQUENCY INTERFERENCE  
CHIRP  
CHIRP SIGNALS  
RT ELECTROMAGNETIC NOISE  
SIGNALS

### CHITIN

SN (A POLYSACCHARIDE WHICH IS THE  
PRINCIPAL CONSTITUENT OF THE  
SHELLS OF CRABS AND LOBSTERS,  
THE SHARDS OF BEETLES, AND IS  
ALSO FOUND IN CERTAIN FUNGI)  
GS ORGANIC COMPOUNDS  
CARBOHYDRATES  
POLYSACCHARIDES  
CHITIN  
RT GUMS (SUBSTANCES)  
STARCHES

### CHLORAL

GS ALDEHYDES  
CHLORAL

### CHLORATES

GS HALOGEN COMPOUNDS  
CHLORINE COMPOUNDS  
CHLORATES  
RT OXYGEN COMPOUNDS  
PERCHLORATES

### CHLORELLA

GS PLANTS (BOTANY)  
ALGAE  
CHLORELLA  
RT AEROSPACE MEDICINE  
CARBON DIOXIDE  
CULTURE TECHNIQUES  
LIFE SUPPORT SYSTEMS  
OXYGEN  
PHOTOSYNTHESIS

### CHLORIDES

UF PENTACHLORIDES  
TRICHLORIDES  
GS HALOGEN COMPOUNDS  
CHLORINE COMPOUNDS  
CHLORIDES  
ALUMINUM CHLORIDES  
AMMONIUM CHLORIDES  
BERYLLIUM CHLORIDES  
BORON CHLORIDES  
CADMIUM CHLORIDES  
CALCIUM CHLORIDES  
CARBON TETRACHLORIDE  
COPPER CHLORIDES  
DICHLORIDES  
GERMANIUM CHLORIDES  
HYDROCHLORIDES  
IRON CHLORIDES  
LANTHANUM CHLORIDES  
LEAD CHLORIDES  
LITHIUM CHLORIDES  
MAGNESIUM CHLORIDES  
NITROSYL CHLORIDES  
NITROXYCHLORIDES  
NITRYL CHLORIDES  
PHOSGENE  
POTASSIUM CHLORIDES  
SILICON TETRACHLORIDE  
SILVER CHLORIDES  
SODIUM CHLORIDES  
SULFUR CHLORIDES  
TETRACHLORIDES  
TITANIUM CHLORIDES  
TUNGSTEN CHLORIDES

### CHLORIDES-(CONT.)

ZINC CHLORIDES  
HALIDES  
CHLORIDES  
ALUMINUM CHLORIDES  
AMMONIUM CHLORIDES  
BERYLLIUM CHLORIDES  
BORON CHLORIDES  
CADMIUM CHLORIDES  
CALCIUM CHLORIDES  
CARBON TETRACHLORIDE  
COPPER CHLORIDES  
DICHLORIDES  
GERMANIUM CHLORIDES  
HYDROCHLORIDES  
HYDROGEN CHLORIDES  
HYDROCHLORIC ACID  
IRON CHLORIDES  
LANTHANUM CHLORIDES  
LEAD CHLORIDES  
LITHIUM CHLORIDES  
MAGNESIUM CHLORIDES  
NITROSYL CHLORIDES  
NITROXYCHLORIDES  
NITRYL CHLORIDES  
PHOSGENE  
POTASSIUM CHLORIDES  
SILICON TETRACHLORIDE  
SILVER CHLORIDES  
SODIUM CHLORIDES  
SULFUR CHLORIDES  
TETRACHLORIDES  
TITANIUM CHLORIDES  
TUNGSTEN CHLORIDES  
ZINC CHLORIDES  
RT METHYL CHLORIDE  
POLYVINYL CHLORIDE  
SALT BEDS

### CHLORINATION

GS CHEMICAL REACTIONS  
HALOGENATION  
CHLORINATION  
RT BLEACHING  
HYDROMETALLURGY  
PYROMETALLURGY  
WATER TREATMENT

### CHLORINE

GS CHEMICAL ELEMENTS  
HALOGENS  
CHLORINE

### CHLORINE COMPOUNDS

GS HALOGEN COMPOUNDS  
CHLORINE COMPOUNDS  
CHLORATES  
CHLORIDES  
ALUMINUM CHLORIDES  
AMMONIUM CHLORIDES  
BERYLLIUM CHLORIDES  
BORON CHLORIDES  
CADMIUM CHLORIDES  
CALCIUM CHLORIDES  
CARBON TETRACHLORIDE  
COPPER CHLORIDES  
DICHLORIDES  
GERMANIUM CHLORIDES  
HYDROCHLORIDES  
IRON CHLORIDES  
LANTHANUM CHLORIDES  
LEAD CHLORIDES  
LITHIUM CHLORIDES  
MAGNESIUM CHLORIDES  
NITROSYL CHLORIDES  
NITROXYCHLORIDES  
NITRYL CHLORIDES  
PHOSGENE  
POTASSIUM CHLORIDES  
SILICON TETRACHLORIDE  
SILVER CHLORIDES  
SODIUM CHLORIDES  
SULFUR CHLORIDES  
TETRACHLORIDES  
TITANIUM CHLORIDES  
TUNGSTEN CHLORIDES  
ZINC CHLORIDES  
CHLORINE FLUORIDES  
CHLORINE OXIDES  
CHLOROCARBONS  
CHLOROSILANES  
DDT  
MECLIZINE  
PERCHLORATES  
ALUMINUM PERCHLORATES

### CHLORINE COMPOUNDS-(CONT.)

AMMONIUM PERCHLORATES  
HYDRAZINE PERCHLORATES  
HYDROGEN PERCHLORATE  
HYDROXYLAMMONIUM  
PERCHLORATES  
LITHIUM PERCHLORATES  
MAGNESIUM PERCHLORATES  
NITRONIUM PERCHLORATE  
POTASSIUM PERCHLORATES  
RT CHEMICAL COMPOUNDS  
HALOCARBONS

### CHLORINE FLUORIDES

GS HALOGEN COMPOUNDS  
CHLORINE COMPOUNDS  
CHLORINE FLUORIDES  
FLUORINE COMPOUNDS  
FLUORIDES  
CHLORINE FLUORIDES  
HALIDES  
FLUORIDES  
CHLORINE FLUORIDES  
RT LIQUID ROCKET PROPELLANTS

### CHLORINE OXIDES

GS CHALCOGENIDES  
OXIDES  
CHLORINE OXIDES  
HALOGEN COMPOUNDS  
CHLORINE COMPOUNDS  
CHLORINE OXIDES

### CHLOROAROMATICS

GS CHLOROAROMATICS  
CHLOROBENZENES  
RT AROMATIC COMPOUNDS

### CHLOROBENZENES

GS CHLOROAROMATICS  
CHLOROBENZENES  
ORGANIC COMPOUNDS  
CYCLIC COMPOUNDS  
CYCLIC HYDROCARBONS  
CHLOROBENZENES  
HYDROCARBONS  
CYCLIC HYDROCARBONS  
CHLOROBENZENES  
RT BENZENE

### CHLOROCARBONS

GS CARBON COMPOUNDS  
HALOCARBONS  
CHLOROCARBONS  
HALOGEN COMPOUNDS  
CHLORINE COMPOUNDS  
CHLOROCARBONS  
HALOCARBONS  
CHLOROCARBONS

### CHLOROETHYLENE

GS ETHYLENE COMPOUNDS  
CHLOROETHYLENE

### CHLOROFLUOROMETHANE

GS HALOGEN COMPOUNDS  
FLUORINE COMPOUNDS  
FLUORO COMPOUNDS  
FLUORINE ORGANIC COMPOUNDS  
FLUOROHYDROCARBONS  
CHLOROFLUOROMETHANE  
ORGANIC COMPOUNDS  
FLUORINE ORGANIC COMPOUNDS  
FLUOROHYDROCARBONS  
CHLOROFLUOROMETHANE  
HYDROCARBONS  
CHLOROFLUOROMETHANE  
RT AIR POLLUTION  
CONTAMINANTS  
METHANE  
OZONE DEPLETION

### CHLOROFORM

GS DRUGS  
ANESTHETICS  
CHLOROFORM  
RT ANESTHESIOLOGY

### CHLOROFORMATE

GS ESTERS  
CHLOROFORMATE  
FORMATES  
CHLOROFORMATE

## CHROMIUM BROMIDES

### CHLOROPHYLLS

- GS MAGNESIUM COMPOUNDS
  - . CHLOROPHYLLS
- ORGANOMETALLIC COMPOUNDS
  - . CHLOROPHYLLS
- PIGMENTS
  - . CHLOROPHYLLS
- PORPHYRINS
  - . CHLOROPHYLLS
- RT ALGAE
  - BROWN WAVE EFFECT
  - CELLS (BIOLOGY)
  - CHLOROPLASTS
  - COASTAL ZONE COLOR SCANNER
  - GREEN WAVE EFFECT
  - OCEAN COLOR SCANNER
  - PHOTOSYNTHESIS
  - PLANTS (BOTANY)
  - PORPHINES
  - SKIN (ANATOMY)

### CHLOROPLASTS

- GS ORGANELLES
  - . CHLOROPLASTS
- RT CELLS (BIOLOGY)
  - CHLOROPHYLLS
  - CYTOPLASM
  - PHOTOSYNTHESIS

### CHLOROPRENE RESINS

- UF NEOPRENES
- GS RUBBER
  - . SYNTHETIC RUBBERS
  - . ELASTOMERS
  - . . . CHLOROPRENE RESINS

### CHLOROSILANES

- GS HALOGEN COMPOUNDS
  - . CHLORINE COMPOUNDS
  - . . . CHLOROSILANES
- HYDROGEN COMPOUNDS
  - . HYDRIDES
  - . . . SILANES
  - . . . . CHLOROSILANES
- SILICON COMPOUNDS
  - . SILANES
  - . . . CHLOROSILANES

### CHLORPROMAZINE

- GS HYDRAZINES
  - . CHLORPROMAZINE

### CHOCTAW HELICOPTER

- USE CH-34 HELICOPTER

### CHOICE

- USE SELECTION

### CHOKES

- SN (EXCLUDES FUEL SYSTEM AND ELECTRONIC DEVICES)
- RT CHOKES (RESTRICTIONS)
  - ∞ DIFFUSERS
  - ELECTRIC COILS
  - MIXING
  - NOZZLE INSERTS
  - ∞ NOZZLES

### CHOKES (FUEL SYSTEMS)

- RT CARBURETORS
  - FUEL SYSTEMS
  - ORIFICES
  - ∞ SYSTEMS

### CHOKES (RESTRICTIONS)

- RT CHOKES (FUEL SYSTEMS)
  - CLOSURES
  - CONSTRICTIONS
  - IMPEDANCE
  - ∞ NOZZLES
  - ORIFICES
  - THROATS
  - VALVES

### CHOLERA

- GS DISEASES
  - . INFECTIOUS DISEASES
  - . . BACTERIAL DISEASES
  - . . . CHOLERA
- RT HUMAN PATHOLOGY
  - KIDNEY DISEASES
  - PATHOGENESIS
  - PATHOLOGICAL EFFECTS
  - PHYSIOLOGICAL EFFECTS

### CHOLSKY FACTORIZATION

- RT CONJUGATES
  - FINITE ELEMENT METHOD
  - ITERATIVE SOLUTION
  - REAL VARIABLES

### CHOLESTEROL

- GS ORGANIC COMPOUNDS
  - . LIPIDS
  - . . STERIODS
  - . . . CHOLESTEROL
- RT ARTERIOSCLEROSIS
  - LIQUID CRYSTALS

### CHOLINE

- GS ORGANIC COMPOUNDS
  - . CHOLINE
- RT VITAMINS

### CHOLINERGIC BLOCKING AGENTS

- USE ANTICHOLINERGICS

### CHOLINERGICS

- GS DRUGS
  - . CHOLINERGICS
  - . . ANTICHOLINERGICS
- RT CYCLIC AMP

### CHOLINESTERASE

- GS BIOPOLYMERS
  - . PROTEINS
  - . . ENZYMES
  - . . . CHOLINESTERASE
- ORGANIC COMPOUNDS
  - . PROTEINS
  - . . ENZYMES
  - . . . CHOLINESTERASE
- RT NEUROMUSCULAR TRANSMISSION

### CHONDRITES

- GS CELESTIAL BODIES
  - . METEORITES
  - . . STONY METEORITES
  - . . . CHONDRITES
  - . . . . BRUDERHEIM METEORITE
  - . . . . CARBONACEOUS CHONDRITES
  - . . . . ALLENDE METEORITE
  - . . . . MURCHISON METEORITE
  - . . . . CARBONACEOUS METEORITES
  - . . . . ALAIS METEORITE
  - . . . . COLD BOKKEVELD METEORITE
  - . . . . IVUNA METEORITE
  - . . . . MURRAY METEORITE
  - . . . . ORGUEIL METEORITE
  - . . . . TONK METEORITE
  - . . . . HWITIS CHONDRITE
  - . . . . PANTAR CHONDRITES
  - . . . . PRIBRAM METEORITE
- RT ACHONDRITES
  - CHONDRULE
  - TEKTITES

### CHONDRULE

- RT CHONDRITES
  - ENSTATITE
  - METEORITES
  - METEORITIC MICROSTRUCTURES
  - MINERALOGY

### CHOPPERS (ELECTRIC)

- USE ELECTRIC CHOPPERS

### CHORDS (GEOMETRY)

- UF AERODYNAMIC CHORDS
- GS GEOMETRY
  - . EUCLIDEAN GEOMETRY
  - . . LINES (GEOMETRY)
  - . . . CHORDS (GEOMETRY)
- RT CURVES (GEOMETRY)
  - GEODESIC LINES
  - TANGENTS

### CHOROID MEMBRANES

- GS ANATOMY
  - . SENSE ORGANS
  - . . EYE (ANATOMY)
  - . . . CHOROID MEMBRANES
- MEMBRANES
  - . CHOROID MEMBRANES
- RT VISION

### CHORUS (DAWN PHENOMENON)

- USE DAWN CHORUS

### CHORUS PHENOMENON

- USE DAWN CHORUS

### CHROMATES

- UF DICHROMATES
- GS CHROMIUM COMPOUNDS
  - . CHROMATES
  - . . POTASSIUM CHROMATES
- RT ∞ OXYGEN COMPOUNDS

### CHROMATOGRAPHY

- GS CHEMICAL TESTS
  - . CHEMICAL ANALYSIS
  - . . CHROMATOGRAPHY
  - . . . GAS CHROMATOGRAPHY
  - . . . LIQUID CHROMATOGRAPHY
  - . . . PAPER CHROMATOGRAPHY
  - . . . THIN LAYER CHROMATOGRAPHY
- RT ADSORPTION
  - COLORIMETRY
  - QUANTITATIVE ANALYSIS
  - SORPTION

### CHROME

- USE CHROMIUM

### CHROMIC ACID

- GS ACIDS
  - . CHROMIC ACID
- CHROMIUM COMPOUNDS
  - . CHROMIC ACID

### CHROMITES

- GS MINERALS
  - . CHROMITES
- RT CHROMIUM
  - CHROMIUM OXIDES
  - PERIDOTITE
  - SERPENTINE

### CHROMIUM

- UF CHROME
- GS CHEMICAL ELEMENTS
  - . CHROMIUM
  - . . CHROMIUM ISOTOPES
- METALS
  - . REFRACTORY METALS
  - . . CHROMIUM
  - . . . CHROMIUM ISOTOPES
  - . . . TRANSITION METALS
  - . . . CHROMIUM
  - . . . CHROMIUM ISOTOPES
  - . . . REFRACTORY MATERIALS
  - . . . REFRACTORY METALS
  - . . . CHROMIUM
  - . . . CHROMIUM ISOTOPES
- RT CHROMITES
  - STRATEGIC MATERIALS

### CHROMIUM ALLOYS

- GS ALLOYS
  - . CHROMIUM ALLOYS
  - . . ASTROLOY (TRADEMARK)
  - . . CHROMIUM STEELS
  - . . . RENE 41
  - . . . RENE 63
  - . . . RENE 77
  - . . . RENE 95
- RT HEAT RESISTANT ALLOYS
  - INCONEL (TRADEMARK)
  - STAINLESS STEELS
  - STELLITE (TRADEMARK)
  - WASPALOY

### CHROMIUM BORIDES

- GS BORON COMPOUNDS
  - . BORIDES
  - . . CHROMIUM BORIDES
- CHROMIUM COMPOUNDS
  - . CHROMIUM BORIDES

### CHROMIUM BROMIDES

- GS CHROMIUM COMPOUNDS
  - . CHROMIUM BROMIDES
- HALOGEN COMPOUNDS
  - . BROMINE COMPOUNDS
  - . . BROMIDES
  - . . . CHROMIUM BROMIDES
- HALIDES
  - . BROMIDES
  - . . CHROMIUM BROMIDES
  - . . . METAL HALIDES
  - . . . CHROMIUM BROMIDES

## CHROMIUM CARBIDES

### CHROMIUM CARBIDES

- GS CARBON COMPOUNDS
  - . CARBIDES
  - . . CHROMIUM CARBIDES
- CHROMIUM COMPOUNDS
- . CHROMIUM CARBIDES

### CHROMIUM COMPOUNDS

- GS CHROMIUM COMPOUNDS
  - . CHROMATES
  - . . POTASSIUM CHROMATES
  - . . CHROMIC ACID
  - . CHROMIUM BORIDES
  - . CHROMIUM BROMIDES
  - . CHROMIUM CARBIDES
  - . CHROMIUM FLUORIDES
  - . CHROMIUM OXIDES
  - . . SODIUM CHROMITES
- RT  $\infty$ CHEMICAL COMPOUNDS
- $\infty$ GROUP 6B COMPOUNDS
- $\infty$ METAL COMPOUNDS

### CHROMIUM FLUORIDES

- GS CHROMIUM COMPOUNDS
  - . CHROMIUM FLUORIDES
- HALOGEN COMPOUNDS
- . FLUORINE COMPOUNDS
- . . FLUORIDES
- . . . METAL FLUORIDES
- . . . . CHROMIUM FLUORIDES

### CHROMIUM ISOTOPES

- GS CHEMICAL ELEMENTS
  - . CHROMIUM
  - . . CHROMIUM ISOTOPES
- NUCLIDES
- . ISOTOPES
- . . CHROMIUM ISOTOPES
- METALS
- . REFRACTORY METALS
- . CHROMIUM
- . . CHROMIUM ISOTOPES
- . TRANSITION METALS
- . CHROMIUM
- . . CHROMIUM ISOTOPES
- REFRACTORY MATERIALS
- . REFRACTORY METALS
- . CHROMIUM
- . . CHROMIUM ISOTOPES

### CHROMIUM OXIDES

- GS CHALCOGENIDES
    - . OXIDES
    - . . METAL OXIDES
    - . . . CHROMIUM OXIDES
  - CHROMIUM COMPOUNDS
  - . CHROMIUM OXIDES
- RT CHROMITES

### CHROMIUM STEELS

- GS ALLOYS
  - . CHROMIUM ALLOYS
  - . . CHROMIUM STEELS
  - . . IRON ALLOYS
  - . . . STEELS
  - . . . . CHROMIUM STEELS
- RT FERRITIC STAINLESS STEELS

### CHROMOSOMES

- RT CELLS (BIOLOGY)
- CONGENITAL ANOMALIES
- CYTOLOGY
- GENE EXPRESSION
- GENES
- GENETIC CODE
- GENETICS
- MITOSIS
- MUTATIONS
- $\infty$ NUCLEI
- $\infty$ REPRODUCTIVE SYSTEMS
- TETRAD THEORY

### CHROMOSPHERE

- GS ENVIRONMENTS
  - . EXTRATERRESTRIAL ENVIRONMENTS
  - . . STELLAR ATMOSPHERES
  - . . . CHROMOSPHERE
- RT CORONAL LOOPS
- FACULAE
- PHOTOSPHERE
- SOLAR ATMOSPHERE
- SOLAR CORONA
- SOLAR PROMINENCES
- SPICULES
- STELLAR STRUCTURE

## CHROMOSPHERE-(CONT.)

### STELLAR WINDS

### CHRONAXY

- GS TIME
  - . REACTION TIME
  - . . CHRONAXY
- RT RESPONSES
  - . SENSORY STIMULATION
  - . THRESHOLDS (PERCEPTION)

### CHRONIC CONDITIONS

- GS CONDITIONS
  - . CHRONIC CONDITIONS
- RT BLOOD VOLUME
  - . DISEASES
  - . DISORDERS
  - . HEALTH
  - . PHYSIOLOGY

### CHRONOBIOLOGY

- USE RHYTHM (BIOLOGY)

### CHRONOGRAPHS

- USE CHRONOMETERS

### CHRONOLOGY

- UF AGE DETERMINATION
- DATING
- GS CHRONOLOGY
  - . GEOCHRONOLOGY
- RT TIME

### CHRONOMETERS

- UF CHRONOGRAPHS
- GS MEASURING INSTRUMENTS
  - . TIME MEASURING INSTRUMENTS
  - . . CLOCKS
  - . . . CHRONOMETERS
- RT ATOMIC CLOCKS
  - . CLOCK PARADOX
  - . TIME MEASUREMENT
  - . TIMING DEVICES

### CHRONOPHOTOGRAPHY

- UF TIME LAPSE PHOTOGRAPHY
- GS IMAGERY
  - . CHRONOPHOTOGRAPHY
  - . PHOTOGRAPHY
  - . . CHRONOPHOTOGRAPHY
- RT BLACK AND WHITE PHOTOGRAPHY
  - . MOTION PICTURES

### CHRONOTRONS

- USE PULSE RATE
- TIME LAG

### CHUGGING

- USE COMBUSTION STABILITY

### CHUKCHI SEA

- GS SEAS
  - . CHUKCHI SEA
- RT ARCTIC REGIONS

### CHUTES

- UF SLIDES
- RT CONVEYORS
  - . MATERIALS HANDLING

### CID

- USE CHARGE INJECTION DEVICES

### CINDER CONES

- USE CONES (VOLCANOES)

### CINEFLUOROGRAPHY

- USE MOTION PICTURES
- RADIOGRAPHY

### CINEMATOGRAPHY

- GS IMAGERY
  - . CINEMATOGRAPHY
  - . PHOTOGRAPHY
  - . . CINEMATOGRAPHY
- RT ANIMATION
  - . BLACK AND WHITE PHOTOGRAPHY
  - . CAMERAS
  - . COLOR PHOTOGRAPHY
  - . INFRARED PHOTOGRAPHY
  - . MOTION PICTURES
  - . STEREOPHOTOGRAPHY
  - . STREAK CAMERAS

## CINERADIOGRAPHY

- USE MOTION PICTURES
- RADIOGRAPHY

## CINESPECTROGRAPHS

- RT OPTICAL MEASURING INSTRUMENTS
- SPECTROSCOPY

## CINETHEODOLITES

- GS MEASURING INSTRUMENTS
    - . OPTICAL MEASURING INSTRUMENTS
    - . . TRANSITS
    - . . . THEODOLITES
    - . . . . CINETHEODOLITES
  - OPTICAL EQUIPMENT
  - . OPTICAL MEASURING INSTRUMENTS
  - . . TRANSITS
  - . . . THEODOLITES
  - . . . . CINETHEODOLITES
- RT PHOTOGRAPHIC TRACKING
  - SATELLITE TRACKING

## CIRCADIAN RHYTHMS

- UF DIURNAL RHYTHMS
- GS RHYTHM (BIOLOGY)
  - . CIRCADIAN RHYTHMS
- RT ACTIVITY CYCLES (BIOLOGY)

## CIRCLES (GEOMETRY)

- GS GEOMETRY
  - . EUCLIDEAN GEOMETRY
  - . . CIRCLES (GEOMETRY)
  - . . . GREAT CIRCLES
- RT CIRCUMFERENCES
  - . CURVES (GEOMETRY)
  - . ELLIPSES
  - . RADI
  - $\infty$ RINGS
  - $\infty$ SECTORS
  - SEGMENTS
  - SPHERES

## CIRCUIT BOARDS

- RT ELECTRONIC PACKAGING
- PRINTED CIRCUITS

## CIRCUIT BREAKERS

- UF BREAKERS (ELECTRIC)
- RT DISCONNECT DEVICES
  - . DROPOUTS
  - . ELECTRIC RELAYS
  - $\infty$ FUSES
  - SWITCHES
  - SWITCHING CIRCUITS

## CIRCUIT DIAGRAMS

- UF SCHEMATICS
- GS DIAGRAMS
  - . CIRCUIT DIAGRAMS
- RT ENGINEERING DRAWINGS
  - . LAYOUTS
  - . PHOTOMASKS

## CIRCUIT PROTECTION

- GS PROTECTION
  - . CIRCUIT PROTECTION
- RT CAPACITORS
  - . CIRCUITS
  - . CURRENT REGULATORS
  - . ELECTRIC FUSES
  - . ELECTRIC POWER TRANSMISSION
  - . ELECTRIC REACTORS
  - . ELECTRICAL FAULTS
  - . ELECTRICAL GROUNDING
  - . ELECTRICAL INSULATION
  - . EXPULSION
  - $\infty$ FUSES
  - OVERVOLTAGE
  - PHASE CONTROL
  - PHASE ERROR
  - SNEAK CIRCUIT ANALYSIS
  - SUPPRESSORS
  - SURGES
  - TRANSFORMERS
  - TRANSMISSION CIRCUITS
  - TRANSMISSION LINES
  - VOLTAGE REGULATORS

## CIRCUIT RELIABILITY

- GS RELIABILITY
  - . CIRCUIT RELIABILITY
- RT AIRCRAFT RELIABILITY
  - . COMPONENT RELIABILITY
  - . DRIFT (INSTRUMENTATION)

## CIRCULATORY SYSTEM

### CIRCUIT RELIABILITY-(CONT.)

QUALITY CONTROL  
SNEAK CIRCUIT ANALYSIS  
SPACECRAFT RELIABILITY

### CIRCUITS

UF ELECTRIC CIRCUITS  
EXPLODING CONDUCTOR CIRCUITS  
SHUNTS  
SUBCIRCUITS  
GS **CIRCUITS**  
  . ADDING CIRCUITS  
  . ANALOG CIRCUITS  
  . AUTODYNES  
  . BISTABLE CIRCUITS  
  . . FLIP-FLOPS  
  . CANCELLATION CIRCUITS  
  . CLAMPING CIRCUITS  
  . COINCIDENCE CIRCUITS  
  . COMPARATOR CIRCUITS  
  . CONJUGATED CIRCUITS  
  . COUNTING CIRCUITS  
  . SCALERS  
  . COUPLING CIRCUITS  
  . DELAY CIRCUITS  
  . PHANTASTRONS  
  . DIGITAL ELECTRONICS  
  . LOGIC CIRCUITS  
  . . THRESHOLD GATES  
  . DIGITAL INTEGRATORS  
  . DIPLEXERS  
  . DISCRIMINATORS  
  . FRAUNHOFER LINE DISCRIMINATORS  
  . FREQUENCY DISCRIMINATORS  
  . ECHO SUPPRESSORS  
  . ELECTRIC BRIDGES  
  . WIRE BRIDGE CIRCUITS  
  . . WHEATSTONE BRIDGES  
  . EQUIVALENT CIRCUITS  
  . FEEDBACK CIRCUITS  
  . FIRE CONTROL CIRCUITS  
  . FLUIDIC CIRCUITS  
  . GATES (CIRCUITS)  
  . THRESHOLD GATES  
  . HYBRID CIRCUITS  
  . INTEGRATED CIRCUITS  
  . DTL INTEGRATED CIRCUITS  
  . ENCAPSULATED MICROCIRCUITS  
  . LARGE SCALE INTEGRATION  
  . LINEAR INTEGRATED CIRCUITS  
  . MEDIUM SCALE INTEGRATION  
  . TTL INTEGRATED CIRCUITS  
  . VERY LARGE SCALE INTEGRATION  
  . VHSIC (CIRCUITS)  
  . ITERATIVE NETWORKS  
  . LC CIRCUITS  
  . LIMITER CIRCUITS  
  . CLIPPER CIRCUITS  
  . LINEAR CIRCUITS  
  . MAGNETIC CIRCUITS  
  . MATRICES (CIRCUITS)  
  . MICROWAVE CIRCUITS  
  . MIXING CIRCUITS  
  . MULTIVIBRATORS  
  . . FLIP-FLOPS  
  . MONOSTABLE MULTIVIBRATORS  
  . NEGATIVE RESISTANCE CIRCUITS  
  . OHMS LAW  
  . PHASE DETECTORS  
  . SYNCHROSCOPES  
  . PHASE SHIFT CIRCUITS  
  . CIRCULATORS (PHASE SHIFT CIRCUITS)  
  . PNEUMATIC CIRCUITS  
  . POWER SUPPLY CIRCUITS  
  . PRINTED CIRCUITS  
  . RC CIRCUITS  
  . RL CIRCUITS  
  . . RLC CIRCUITS  
  . SQUELCH CIRCUITS  
  . SWEEP CIRCUITS  
  . SWITCHING CIRCUITS  
  . FLUID SWITCHING ELEMENTS  
  . TRANSISTOR CIRCUITS  
  . TRANSMISSION CIRCUITS  
  . TRIGGER CIRCUITS  
  . VARACTOR DIODE CIRCUITS  
RT AMPLIFIERS  
BREADBOARD MODELS  
CAPACITORS  
∞ CASCADES  
CIRCUIT PROTECTION  
DIFFERENTIATORS  
DUALITY PRINCIPLE  
DUPLEXERS  
ELECTRIC CONNECTORS

### CIRCUITS-(CONT.)

ELECTRIC CURRENT  
∞ ELECTRIC EQUIPMENT  
ELECTRIC FILTERS  
ELECTRIC MOTORS  
ELECTRIC POWER TRANSMISSION  
ELECTRIC WIRE  
ELECTRICAL GROUNDING  
ELECTROMECHANICS  
ELECTRON TUBES  
FLAT CONDUCTORS  
INDUCTORS  
INTEGRATORS  
KIRCHHOFF LAW OF NETWORKS  
LOOPS  
MICROELECTRONICS  
MICROMINIATURIZATION  
MICROSTRIP DEVICES  
MINIATURE ELECTRONIC EQUIPMENT  
MINIATURIZATION  
MODULES  
NETWORK ANALYSIS  
∞ NETWORKS  
OSCILLATORS  
SELECTORS  
SHORT CIRCUITS  
SIGNAL GENERATORS  
SOLID STATE DEVICES  
SOLIONS  
∞ STRIP  
TRANSMISSION LINES  
TREES (MATHEMATICS)  
UNDERGROUND TRANSMISSION LINES  
VOLTAGE CONTROLLED OSCILLATORS  
WIRING

### CIRCULAR CONES

GS CONES  
  . **CIRCULAR CONES**  
RT HALF CONES  
NOSE CONES

### CIRCULAR CYLINDERS

RT ∞ CYLINDERS  
CYLINDRICAL BODIES  
CYLINDRICAL SHELLS  
ELLIPTICAL CYLINDERS

### CIRCULAR ORBITS

GS ORBITS  
  . **CIRCULAR ORBITS**  
  . STATIONARY ORBITS  
RT EARTH ORBITS  
ECCENTRIC ORBITS  
ELLIPTICAL ORBITS  
EQUATORIAL ORBITS  
GEOSYNCHRONOUS ORBITS  
LUNAR ORBITS  
ORBITAL MECHANICS  
PLANETARY ORBITS  
POLAR ORBITS  
QUADRATURES  
SATELLITE ORBITS  
SOLAR ORBITS  
SPACECRAFT ORBITS  
TWENTY-FOUR HOUR ORBITS

### CIRCULAR PLATES

GS STRUCTURAL MEMBERS  
  . PLATES (STRUCTURAL MEMBERS)  
  . **CIRCULAR PLATES**  
RT ANNULAR PLATES  
DISKS (SHAPES)  
END PLATES  
FLAT PLATES

### CIRCULAR POLARIZATION

GS POLARIZATION (WAVES)  
  . **CIRCULAR POLARIZATION**  
RT ELLIPTICAL POLARIZATION  
OPTICAL POLARIZATION

### CIRCULAR SHELLS

GS SHELLS (STRUCTURAL FORMS)  
  . **CIRCULAR SHELLS**  
RT CYLINDRICAL SHELLS  
HEMISPHERICAL SHELLS  
METAL SHELLS  
SPHERICAL SHELLS

### CIRCULAR TUBES

RT CYLINDRICAL SHELLS  
DUCT GEOMETRY  
PIPES (TUBES)  
∞ TUBES

### CIRCULAR WAVEGUIDES

GS TRANSMISSION LINES  
  . COMMUNICATION CABLES  
  . WAVEGUIDES  
  . . **CIRCULAR WAVEGUIDES**  
RT MICROWAVE TRANSMISSION  
PROPAGATION MODES

### CIRCULATION

UF RECIRCULATION  
GS **CIRCULATION**  
  . ATMOSPHERIC CIRCULATION  
  . ZONAL FLOW (METEOROLOGY)  
  . BLOOD CIRCULATION  
  . BRAIN CIRCULATION  
  . CORONARY CIRCULATION  
  . INTERCRANIAL CIRCULATION  
  . INTRAVASCULAR SYSTEM  
  . OCULAR CIRCULATION  
  . PERIPHERAL CIRCULATION  
  . PULMONARY CIRCULATION  
  . CARBOXYHEMOGLOBIN  
  . CONGESTION  
  . WATER CIRCULATION  
  . WATER CURRENTS  
  . . OCEAN CURRENTS  
  . . COASTAL CURRENTS  
  . . EL NINO  
  . . GULF STREAM  
  . . LOMONOSOV CURRENT  
RT ARTIFICIAL CARDIAC PACEMAKER  
BLOOD  
BLOOD PUMPS  
BLOWING  
CIRCULATION DISTRIBUTION  
∞ CURRENTS  
DELIVERY  
DIFFUSION  
DISPERSING  
HEART IMPLANTATION  
PURGING  
ROTATION

### CIRCULATION CONTROL AIRFOILS

GS AIRFOILS  
  . **CIRCULATION CONTROL AIRFOILS**  
  . CIRCULATION CONTROL ROTORS  
RT BLOWING  
BOUNDARY LAYER CONTROL  
COANDA EFFECT  
∞ CONTROL  
LIFT AUGMENTATION  
SHORT TAKEOFF AIRCRAFT  
UNDER SURFACE BLOWING  
UPPER SURFACE BLOWING

### CIRCULATION CONTROL ROTORS

GS AIRFOILS  
  . CIRCULATION CONTROL AIRFOILS  
  . **CIRCULATION CONTROL ROTORS**  
  . WINGS  
  . . ROTARY WINGS  
  . . **CIRCULATION CONTROL ROTORS**  
  . ROTATING BODIES  
  . ROTORS  
  . . ROTARY WINGS  
  . . **CIRCULATION CONTROL ROTORS**  
RT ∞ CONTROL  
VERTICAL TAKEOFF AIRCRAFT  
X WING ROTORS

### CIRCULATION DISTRIBUTION

RT ATMOSPHERIC CIRCULATION  
CIRCULATION  
∞ DISTRIBUTION  
VELOCITY DISTRIBUTION

### CIRCULATORS (PHASE SHIFT CIRCUITS)

GS CIRCUITS  
  . PHASE SHIFT CIRCUITS  
  . **CIRCULATORS (PHASE SHIFT CIRCUITS)**  
RT CAVITY RESONATORS  
DELAY CIRCUITS  
DUPLEXERS  
FARADAY EFFECT  
HALL GENERATORS  
LIMITER CIRCUITS

### CIRCULATORY SYSTEM

GS ANATOMY  
  . **CIRCULATORY SYSTEM**  
  . . CARDIOVASCULAR SYSTEM  
  . . BLOOD VESSELS  
  . . . ARTERIES



## CIRCUMFERENCES

### CIRCULATORY SYSTEM-(CONT.)

- ... AORTA
- ... CAPILLARIES (ANATOMY)
- ... GLOMERULUS
- ... VEINS
- ... HEART
- ... CARDIAC AURICLES
- ... CARDIAC VENTRICLES
- ... EPICARDIUM
- ... MYOCARDIUM
- RT ARTERIOSCLEROSIS
- ARTIFICIAL CARDIAC PACEMAKER
- BLOOD CIRCULATION
- BLOOD PUMPS
- CAROTID SINUS BODY
- CAROTID SINUS REFLEX
- EXERCISE PHYSIOLOGY
- HYPERVOLEMIA
- ORGANS

### CIRCUMFERENCES

- GS GEOMETRY
- ... EUCLIDEAN GEOMETRY
- ... ANALYTIC GEOMETRY
- ... CIRCUMFERENCES
- RT BOUNDARIES
- CIRCLES (GEOMETRY)
- DIAMETERS
- RADI

### CIRCUMLUNAR COMMUNICATION

- GS TELECOMMUNICATION
- ... SPACE COMMUNICATION
- ... LUNAR COMMUNICATION
- ... CIRCUMLUNAR COMMUNICATION
- RT INTERPLANETARY COMMUNICATION
- RADAR
- RADIO COMMUNICATION
- SATELLITE COMMUNICATION
- SPACECRAFT COMMUNICATION
- UNIFIED S BAND

### CIRCUMLUNAR TRAJECTORIES

- GS TRAJECTORIES
- ... ROUND TRIP TRAJECTORIES
- ... CIRCUMLUNAR TRAJECTORIES
- ... SPACECRAFT TRAJECTORIES
- ... LUNAR TRAJECTORIES
- ... CIRCUMLUNAR TRAJECTORIES
- RT EARTH ORBITS
- EARTH-MOON TRAJECTORIES
- LUNAR FLIGHT
- LUNAR ORBITS
- MOON-EARTH TRAJECTORIES
- REENTRY TRAJECTORIES
- RENDEZVOUS TRAJECTORIES
- TRANSFER ORBITS

### CIRCUMPOLAR WESTERLIES

- GS WIND (METEOROLOGY)
- ... CIRCPOLAR WESTERLIES
- RT ATMOSPHERIC CIRCULATION
- JET STREAMS (METEOROLOGY)
- WINDS ALOFT
- ZONAL FLOW (METEOROLOGY)

### CIRCUMSOLAR RADIATION

- GS EXTRATERRESTRIAL RADIATION
- ... SOLAR RADIATION
- ... CIRCUMSOLAR RADIATION
- RT ATMOSPHERIC SCATTERING
- LIGHT SCATTERING
- ∞ RADIATION
- SCATTERING
- SUNLIGHT

### CIRCUMSOLAR TELESCOPES

- GS TELESCOPES
- ... CIRCUMSOLAR TELESCOPES
- RT LENSES
- MEASURING INSTRUMENTS
- MIRRORS
- OPTICAL EQUIPMENT
- RADIATION PYROMETERS
- SOLAR ENERGY
- SOLAR RADIATION

### CIRCUMSTELLAR MATTER

- USE STELLAR ENVELOPES

### CIRQUES (LANDFORMS)

- GS LANDFORMS
- ... STRUCTURAL BASINS
- ... CIRQUES (LANDFORMS)
- RT GLACIERS

### CIRQUES (LANDFORMS)-(CONT.)

- ICE
- MOUNTAINS
- SNOW

### CIRROCUMULUS CLOUDS

- GS CLOUDS (METEOROLOGY)
- ... CIRROCUMULUS CLOUDS
- RT ATMOSPHERIC MOISTURE
- CIRROSTRATUS CLOUDS
- CLIMATOLOGY
- CLOUD COVER
- FOG
- METEOROLOGY
- NEPHANALYSIS
- PRECIPITATION (METEOROLOGY)
- THUNDERSTORMS
- WEATHER

### CIRROSTRATUS CLOUDS

- GS CLOUDS (METEOROLOGY)
- ... CIRROSTRATUS CLOUDS
- RT ATMOSPHERIC MOISTURE
- CIRROCUMULUS CLOUDS
- CLIMATOLOGY
- CLOUD COVER
- FOG
- METEOROLOGY
- NEPHANALYSIS
- PRECIPITATION (METEOROLOGY)
- THUNDERSTORMS
- WEATHER

### CIRRUS CLOUDS

- GS CLOUDS (METEOROLOGY)
- ... CIRRUS CLOUDS

### CIRRUS SHIELDS

- GS CLOUDS (METEOROLOGY)
- ... CIRRUS SHIELDS
- RT CLIMATOLOGY
- METEOROLOGY
- WEATHER FORECASTING

### CISLUNAR SPACE

- GS ENVIRONMENTS
- ... AEROSPACE ENVIRONMENTS
- ... CISLUNAR SPACE
- ... EXTRATERRESTRIAL ENVIRONMENTS
- ... CISLUNAR SPACE
- RT DEEP SPACE
- EARTH-MOON TRAJECTORIES
- INTERPLANETARY SPACE
- LUNAR FLIGHT
- LUNAR ORBITS
- ∞ SPACE

### CITIES

- UF METROPOLITAN AREAS
- URBAN AREAS
- GS CITIES
- ... ATLANTA (GA)
- ... CEDAR RAPIDS (IA)
- ... HOUSTON (TX)
- ... MANITOU (CO)
- ... MOSCOW
- ... NEW HAVEN (CT)
- ... NEW YORK CITY (NY)
- ... PHOENIX (AZ)
- ... PONTIAC (MI)
- ... SAN FRANCISCO (CA)
- ... VATICAN CITY
- RT ANTHROPOLOGY
- COMMUNITIES
- HEAT ISLANDS
- INDUSTRIAL AREAS
- INHABITANTS
- MEGALOPOLISES
- NATIONS
- RESIDENTIAL AREAS
- SOCIOLOGY
- SUBURBAN AREAS
- URBAN DEVELOPMENT
- URBAN PLANNING
- URBAN RESEARCH

### CITRATES

- RT CITRIC ACID
- ESTERS

### CITRIC ACID

- GS ACIDS
- ... CARBOXYLIC ACIDS
- ... CITRIC ACID
- ORGANIC COMPOUNDS

### CITRIC ACID-(CONT.)

- ... CARBOHYDRATES
- ... CITRIC ACID
- ... CARBOXYLIC ACIDS
- ... CITRIC ACID
- RT CITRATES

### CITRUS TREES

- GS PLANTS (BOTANY)
- ... TREES (PLANTS)
- ... CITRUS TREES
- RT AGRICULTURE
- BLIGHT
- BOTANY
- CROP GROWTH
- CROP VIGOR
- ∞ CROPS
- CURING
- ∞ FOOD
- IRRIGATION
- ORCHARDS
- SEEDS

### CIVIL AVIATION

- UF COMMERCIAL AVIATION
- RT ∞ AERONAUTICS
- AIR LAW
- AIRLINE OPERATIONS
- AVIATION METEOROLOGY
- COMMERCIAL AIRCRAFT
- GENERAL AVIATION AIRCRAFT
- PASSENGER AIRCRAFT

### CIVIL DEFENSE

- RT AIR DEFENSE
- ANTIMISSILE DEFENSE
- CHEMICAL DEFENSE
- ∞ DEFENSE
- DEFENSE PROGRAM
- EVACUATING (TRANSPORTATION)
- NUCLEAR EXPLOSIONS
- NUCLEAR WARFARE
- PROTECTION
- SENTINEL SYSTEM
- SHELTERS
- SURVIVAL
- WARNING
- WARNING SYSTEMS

### CL-41 AIRCRAFT

- UF CANADAIR CL-41 AIRCRAFT
- CT-114 AIRCRAFT
- TUTOR AIRCRAFT
- GS ATTACK AIRCRAFT
- ... CL-41 AIRCRAFT
- CANADAIR AIRCRAFT
- ... CL-41 AIRCRAFT
- GENERAL DYNAMICS AIRCRAFT
- ... CL-41 AIRCRAFT
- JET AIRCRAFT
- ... CL-41 AIRCRAFT
- MONOPLANES
- ... CL-41 AIRCRAFT
- TRAINING AIRCRAFT
- ... CL-41 AIRCRAFT
- RT ∞ AIRCRAFT

### CL-44 AIRCRAFT

- UF CANADAIR CL-44 AIRCRAFT
- CC-106 AIRCRAFT
- YUKON AIRCRAFT
- GS CANADAIR AIRCRAFT
- ... CL-44 AIRCRAFT
- GENERAL DYNAMICS AIRCRAFT
- ... CL-44 AIRCRAFT
- JET AIRCRAFT
- ... TURBOPROP AIRCRAFT
- ... CL-44 AIRCRAFT
- MONOPLANES
- ... CL-44 AIRCRAFT
- TRANSPORT AIRCRAFT
- ... CARGO AIRCRAFT
- ... CL-44 AIRCRAFT
- RT ∞ AIRCRAFT

### CL-84 AIRCRAFT

- UF CANADAIR CL-84 AIRCRAFT
- GS ANTISUBMARINE WARFARE AIRCRAFT
- ... CL-84 AIRCRAFT
- CANADAIR AIRCRAFT
- ... CL-84 AIRCRAFT
- GENERAL DYNAMICS AIRCRAFT
- ... CL-84 AIRCRAFT
- JET AIRCRAFT
- ... TURBOPROP AIRCRAFT

**CL-84 AIRCRAFT-(CONT.)**

. CL-84 AIRCRAFT  
OBSERVATION AIRCRAFT  
. CL-84 AIRCRAFT  
RECONNAISSANCE AIRCRAFT  
. CL-84 AIRCRAFT  
TILT WING AIRCRAFT  
. CL-84 AIRCRAFT  
TRANSPORT AIRCRAFT  
. CL-84 AIRCRAFT  
V/STOL AIRCRAFT  
. CL-84 AIRCRAFT  
RT ∞ AIRCRAFT

**CL-595 HELICOPTER**  
USE XH-51 HELICOPTER

**CL-600 CHALLENGER AIRCRAFT**  
GS CANADAIR AIRCRAFT  
. CL-600 CHALLENGER AIRCRAFT  
GENERAL AVIATION AIRCRAFT  
. CL-600 CHALLENGER AIRCRAFT  
JET AIRCRAFT  
. TURBOFAN AIRCRAFT  
. CL-600 CHALLENGER AIRCRAFT  
RT ∞ AIRCRAFT  
∞ MILITARY AIRCRAFT  
SUPERCRITICAL WINGS

**CL-823 AIRCRAFT**  
UF LOCKHEED CL-823 AIRCRAFT  
GS JET AIRCRAFT  
. CL-823 AIRCRAFT  
LOCKHEED AIRCRAFT  
. CL-823 AIRCRAFT  
SUPERSONIC AIRCRAFT  
. SUPERSONIC TRANSPORTS  
. CL-823 AIRCRAFT  
TRANSPORT AIRCRAFT  
. CL-823 AIRCRAFT  
RT ∞ AIRCRAFT

**CLADDING**  
GS METAL WORKING  
. CLADDING  
RT ANODIC STRIPPING  
CATHODIC COATINGS  
COLD WORKING  
COMPOSITE MATERIALS  
EXPLOSIVE WELDING  
EXTRUDING  
LAMINATES  
METAL COATINGS  
METALLIZING  
PLATING  
PROTECTIVE COATINGS

**CLAIMING**  
RT ∞ LAW  
PATENTS  
PREEMPTING

**CLAMPING CIRCUITS**  
GS CIRCUITS  
. CLAMPING CIRCUITS  
RT LIMITER CIRCUITS  
POWER LIMITERS

**CLAMPS**  
RT ∞ BANDS  
CLIPS  
FASTENERS  
HOLDERS  
JIGS  
MECHANICAL DEVICES  
SEALING  
STRAPS

**CLARITY**  
RT ATMOSPHERIC OPTICS  
ELECTROMAGNETIC PROPERTIES  
HAZE  
OPACITY  
OPTICAL PROPERTIES  
PURITY  
∞ SHARPNESS  
SOLUBILITY  
TRANSPARENCY  
TURBIDITY

**CLARK Y AIRFOIL**  
USE AIRFOIL PROFILES

**CLASSES**  
RT CATEGORIES  
∞ GROUPS  
∞ SECTIONS

**CLASSIC AIRCRAFT**  
USE IL-62 AIRCRAFT

**CLASSICAL MECHANICS**  
GS CLASSICAL MECHANICS  
. SPACE MECHANICS  
. ASTRODYNAMICS  
. CELESTIAL MECHANICS  
. ORBITAL MECHANICS  
. KEPLER LAWS  
. MINIMUM VARIANCE ORBIT  
DETERMINATION  
RT ANGULAR MOMENTUM  
CONTINUUM MECHANICS  
EQUATIONS OF MOTION  
EULER-LAGRANGE EQUATION  
HAMILTONIAN FUNCTIONS  
LAGRANGE COORDINATES  
MAXWELL BODIES  
∞ MECHANICS (PHYSICS)  
MOMENTUM  
PHASE-SPACE INTEGRAL  
POISSON EQUATION  
QUATERNIONS  
STATISTICAL MECHANICS

**CLASSIFICATIONS**  
GS CLASSIFICATIONS  
. HIERARCHIES  
. BBGKY HIERARCHY  
. DICHOTOMIES  
. INDEXES (DOCUMENTATION)  
. KWIC INDEXES  
. WISWESSER NOTATIONS  
. SUBJECTS  
RT ASTRONOMICAL CATALOGS  
∞ BREAKDOWN  
∞ CLASSIFYING  
CLUSTER ANALYSIS  
CONGENERS  
TAXONOMY

**CLASSIFIERS**  
GS SEPARATORS  
. CLASSIFIERS  
. SIZING SCREENS  
. THICKENERS (EQUIPMENT)  
RT CENTRIFUGES  
CONCENTRATING  
CONCENTRATORS  
FLOTATION  
∞ SEPARATION  
SHAKERS  
SIZE DETERMINATION  
SIZE SEPARATION  
SPIRALS (CONCENTRATORS)

∞ CLASSIFYING  
SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
UF SORTING  
RT CLASSIFICATIONS  
CONCENTRATORS  
DISCRIMINANT ANALYSIS (STATISTICS)  
EVALUATION  
SECURITY  
SELECTION  
SIZE SEPARATION  
TAXONOMY

**CLATHRATES**  
RT ∞ CHEMICAL COMPOUNDS  
CRYSTAL STRUCTURE  
CRYSTALS  
INCLUSIONS

**CLAYS**  
GS CLAYS  
. ILLITE  
. KAOLINITE  
. MONTMORILLONITE  
. VERMICULITE  
RT ALLUVIUM  
BOREHOLES  
BRICKS  
CERAMICS  
COLLOIDS  
FANS (LANDFORMS)  
GROUT

**CLAYS-(CONT.)**

MASONRY  
MINING  
MOLDING MATERIALS  
MUD  
REFRACTORY MATERIALS  
ROCKS  
SEDIMENTARY ROCKS  
SEDIMENTS  
SHALES  
SIZING MATERIALS  
SOILS  
STRIP MINING

**CLEAN ENERGY**  
RT AIR POLLUTION  
ENVIRONMENT POLLUTION  
ENVIRONMENTAL ENGINEERING  
GEOTHERMAL ENERGY CONVERSION  
SOLAR ENERGY  
TIDEPower  
WATER POLLUTION  
WATERWAVE ENERGY  
WINDPOWER UTILIZATION

**CLEAN FUELS**  
GS FUELS  
. CLEAN FUELS  
. FUEL OILS  
RT BENEFICIATION  
CHEMICAL FUELS  
HYDROCARBON FUELS  
POLLUTION  
REFINING  
SYNTHETIC FUELS

**CLEAN ROOMS**  
GS ROOMS  
. CLEAN ROOMS  
RT ASSEMBLING  
CLEANLINESS  
CONTROLLED ATMOSPHERES  
ENVIRONMENTAL CONTROL

**CLEANERS**  
GS CLEANERS  
. AIR FILTERS  
RT ∞ ABSORBERS  
ABSORBERS (EQUIPMENT)  
ABSORBERS (MATERIALS)  
CLEANING  
CLEANLINESS  
SEPARATORS  
ULTRASONIC CLEANING  
WASHERS (CLEANERS)

**CLEANING**  
GS CLEANING  
. CHEMICAL CLEANING  
. PICKLING (METALLURGY)  
. HOUSEKEEPING (SPACECRAFT)  
. STERILIZATION  
. CHEMICAL STERILIZATION  
. SPACECRAFT STERILIZATION  
. ULTRASONIC CLEANING  
. WASHING  
. BATHING  
RT ABRASION  
ANTIFOULING  
ANTISEPTICS  
BLEACHING  
CLEANERS  
CLEANLINESS  
CLEARING  
CORROSION PREVENTION  
DECONTAMINATION  
DESCALING  
DISSOLVING  
DUST  
FLUSHING  
METAL FINISHING  
METAL POLISHING  
POLISHING  
PURIFICATION  
∞ REDUCTION  
REFINING  
SCARFING  
SCAVENGING  
SCRUBBERS  
∞ SEPARATION  
SURFACE FINISHING  
WASTE WATER

**CLEANLINESS**  
GS CLEANLINESS

## CLEAR AIR TURBULENCE

### CLEANLINESS-(CONT.)

RT HOUSEKEEPING (SPACECRAFT)  
CLEAN ROOMS  
CLEANERS  
CLEANING  
HYGIENE  
ORAL HYGIENE

### CLEAR AIR TURBULENCE

GS TURBULENCE  
ATMOSPHERIC TURBULENCE  
CLEAR AIR TURBULENCE  
RT AVIATION METEOROLOGY  
GUSTS  
JET STREAMS (METEOROLOGY)  
THERMAL INSTABILITY  
TURBULENT DIFFUSION  
WIND SHEAR

### CLEARANCES

RT ADJUSTING  
ALIGNMENT  
ALLOWANCES  
DATUM (ELEVATION)  
SPACING  
TIGHTNESS  
TOLERANCES (MECHANICS)

### CLEARING

RT CLEANING  
PURGING  
REMOVAL

### CLEARINGS (OPENINGS)

UF SLASHES  
RT DEFORESTATION  
FIREBREAKS  
FORESTS  
TREES (PLANTS)

### CLEAVAGE

UF SCISSION  
RT BRITTLE MATERIALS  
BRITTLINESS

### CLEBSCH-GORDAN COEFFICIENTS

GS COEFFICIENTS  
CLEBSCH-GORDAN COEFFICIENTS  
RT ANGULAR MOMENTUM  
COUPLING

### CLIFFS

UF BLUFFS (LANDFORMS)  
RT CANYONS  
ESCARPMENTS  
FIORDS  
LANDSLIDES  
LEDGES  
SHELVES  
SLOPES  
TOPOGRAPHY

### CLIMATE

UF MACROCLIMATE  
RT CLIMATE CHANGE  
CLIMATOLOGY  
LONG TERM EFFECTS  
METEOROLOGY  
PALEOCLIMATOLOGY  
SOUTHERN OSCILLATION  
WEATHER

### CLIMATE CHANGE

RT AIR POLLUTION  
ATMOSPHERIC COMPOSITION  
ATMOSPHERIC TEMPERATURE  
CARBON DIOXIDE CONCENTRATION  
CLIMATE  
CLIMATOLOGY  
GREENHOUSE EFFECT  
MAN ENVIRONMENT INTERACTIONS  
PALEOCLIMATOLOGY

### CLIMATOLOGY

UF MILANKOVITCH THEORY  
GS CLIMATOLOGY  
AGROCLIMATOLOGY  
MICROCLIMATOLOGY  
PALEOCLIMATOLOGY  
RT ANTARCTIC REGIONS  
ANVIL CLOUDS  
ARCTIC REGIONS  
ATMOSPHERIC CIRCULATION  
CAP CLOUDS

### CLIMATOLOGY-(CONT.)

CIRROCUMULUS CLOUDS  
CIRROSTRATUS CLOUDS  
CIRRUS SHIELDS  
CLIMATE  
CLIMATE CHANGE  
CLOUD COVER  
CLOUD DISPERSAL  
CLOUDS (METEOROLOGY)  
DENDROCHRONOLOGY  
DESERTLINE  
DESERTS  
ENVIRONMENTAL CHEMISTRY  
ENVIRONMENTAL ENGINEERING  
FOG DISPERSAL  
GEOGRAPHY  
HAILSTORMS  
HEAT ISLANDS  
HUMIDITY  
HURRICANES  
HYDROCLIMATOLOGY  
HYDROLOGY  
LIGHTNING SUPPRESSION  
METEOROLOGY  
MIDDLE ATMOSPHERE  
PERIODIC VARIATIONS  
PHENOLOGY  
POLAR METEOROLOGY  
POLAR REGIONS  
PRECIPITATION (METEOROLOGY)  
PRIMITIVE EQUATIONS  
RAINMAKING  
SEA BREEZE  
SEASONS  
SNOWSTORMS  
SOLAR RADIATION  
STORM ENHANCEMENT  
STORM SUPPRESSION  
STORMS  
STORMS (METEOROLOGY)  
SUNLIGHT  
TELECONNECTIONS (METEOROLOGY)  
TEMPERATE REGIONS  
TEMPERATURE  
TROPICAL REGIONS  
WEATHER  
WIND (METEOROLOGY)  
ZONAL FLOW (METEOROLOGY)

### CLIMBING FLIGHT

GS ASCENT  
CLIMBING FLIGHT  
RT ASCENT TRAJECTORIES  
COASTING FLIGHT  
FLIGHT  
FLIGHT PATHS  
HORIZONTAL FLIGHT  
PARABOLIC FLIGHT  
ROCKET FLIGHT  
SOARING  
TAKEOFF  
TURNING FLIGHT  
VERTICAL FLIGHT

### CLINICAL MEDICINE

RT ANESTHESIOLOGY  
BED REST  
BLOOD VOLUME  
CASE HISTORIES  
DIAGNOSIS  
EXAMINATION  
HEALING  
HEALTH  
HUMAN BEINGS  
MEDICAL SCIENCE  
MEDICINE  
OPERATIONS  
SPORTS MEDICINE  
SURGERY  
TRANSPLANTATION  
TREATMENT

### CLIPPER CIRCUITS

GS CIRCUITS  
LIMITER CIRCUITS  
CLIPPER CIRCUITS  
RT COMPARATOR CIRCUITS  
POWER LIMITERS

### CLIPS

RT ANCHORS (FASTENERS)  
BANDS  
CLAMPS  
COUPLINGS  
FASTENERS

### CLIPS-(CONT.)

HOLDERS  
MECHANICAL DEVICES

### CLOCK PARADOX

GS TIME MEASUREMENT  
CLOCK PARADOX  
RT ATOMIC CLOCKS  
CHRONOMETERS  
TIME SIGNALS  
TIMING DEVICES

### CLOCKS

UF WATCHES  
GS MEASURING INSTRUMENTS  
TIME MEASURING INSTRUMENTS  
CLOCKS  
ATOMIC CLOCKS  
AUTONOMOUS SPACECRAFT  
CLOCKS  
CHRONOMETERS  
RT TIME MEASUREMENT  
TIMING DEVICES

### CLOGGING

USE PLUGGING

### CLOSE PACKED LATTICES

GS CRYSTAL LATTICES  
CLOSE PACKED LATTICES  
RT BODY CENTERED CUBIC LATTICES  
FACE CENTERED CUBIC LATTICES

### CLOSED BASINS

USE STRUCTURAL BASINS

### CLOSED CIRCUIT TELEVISION

GS COMMUNICATION EQUIPMENT  
CLOSED CIRCUIT TELEVISION  
TELECOMMUNICATION  
CLOSED CIRCUIT TELEVISION  
TELEVISION SYSTEMS  
CLOSED CIRCUIT TELEVISION  
RT COLOR TELEVISION  
EDUCATIONAL TELEVISION  
STEREOTELEVISION  
TELEVISION CAMERAS  
TELEVISION RECEIVERS  
TELEVISION TRANSMISSION  
WIRELESS COMMUNICATION

### CLOSED CYCLES

SN (EXCLUDES CLOSED LOOP CONTROL  
SYSTEMS)  
RT CONTROL THEORY  
COOLING SYSTEMS  
ELECTRIC GENERATORS  
GAS TURBINES  
LOOPS  
NUCLEAR REACTORS  
PLASMA GENERATORS  
THERMAL CYCLING TESTS  
THERMODYNAMIC CYCLES

### CLOSED ECOLOGICAL SYSTEMS

UF BIOREGENERATIVE LIFE SUPPORT  
SYSTEMS  
GS SUPPORT SYSTEMS  
LIFE SUPPORT SYSTEMS  
CLOSED ECOLOGICAL SYSTEMS  
RT AEROSPACE MEDICINE  
BIOASTRONAUTICS  
ECOLOGY  
ECOSYSTEMS  
FOOD PRODUCTION (IN SPACE)  
GNOTOBIOTICS  
LONG TERM EFFECTS  
OXYGEN PRODUCTION  
SPACE HABITATS  
SPACECRAFT CABIN ATMOSPHERES  
SPACECRAFT ENVIRONMENTS  
SURVIVAL  
SYSTEMS

### CLOSED FAULTS

USE GEOLOGICAL FAULTS

### CLOSED LOOP SYSTEMS

USE FEEDBACK CONTROL

### CLOSING

RT BLOCKING  
PLUGGING  
SEALING

## CLUSTERS

### CLOSING-(CONT.) STOPPING

#### CLOSTRIDIUM

- GS MICROORGANISMS
  - . BACTERIA
  - . . CLOSTRIDIUM
  - . . . CLOSTRIDIUM BOTULINUM
- RT BACTERIAL DISEASES

#### CLOSTRIDIUM BOTULINUM

- GS MICROORGANISMS
  - . BACTERIA
  - . . CLOSTRIDIUM
  - . . . CLOSTRIDIUM BOTULINUM
- RT BACTERIOLOGY
  - PATHOGENS
  - TOXIC DISEASES

#### CLOSURE LAW

- GS LAWS
  - . CLOSURE LAW
- RT FIELD THEORY (PHYSICS)
  - STATISTICAL MECHANICS
  - TURBULENT FLOW

#### CLOSURES

- RT ∞ BARRIERS
  - BLOCKING
  - CHOKES (RESTRICTIONS)
  - CONSTRICTIONS
  - COUPLINGS
  - COVERINGS
  - ENCLOSURES
  - END PLATES
  - FASTENERS
  - FITTINGS
- ∞ GATES
  - JOINTS (JUNCTIONS)
  - PLUGGING
  - PLUGS
  - SEALS (STOPPERS)
  - TIGHTNESS
  - VALVES

#### CLOTH

- USE FABRICS

#### CLOTHING

- GS CLOTHING
  - . BOOTS (FOOTWEAR)
  - . COTTON FIBERS
  - . COVERALLS
  - . FLIGHT CLOTHING
  - . GARMENTS
  - . GLOVES
  - . GOGGLES
  - . PROTECTIVE CLOTHING
  - . HELMETS
  - . . PRESSURE SUITS
  - . . SPACE SUITS
  - . . VAPOR BARRIER CLOTHING
  - . SHOES
  - . SOCKS
  - . SUITS
  - . . PRESSURE SUITS
  - . . SPACE SUITS
- RT CHEMICAL DEFENSE
  - CONSUMABLES (SPACECREW SUPPLIES)
  - COTTON
  - CUFFS
  - FABRICS
  - LEATHER
  - TEXTILES
  - VESTS

#### CLOTTING

- RT BLOOD COAGULATION
  - EMBOLISMS
  - THROMBOCYTES
  - THROMBOPLASTIN

#### CLOUD CHAMBERS

- GS IONIZATION CHAMBERS
  - . CLOUD CHAMBERS
- RT BUBBLE CHAMBERS
  - ∞ CHAMBERS
  - RADIATION COUNTERS
  - SPARK CHAMBERS

#### CLOUD COVER

- UF OVERCAST
- RT ANVIL CLOUDS
  - ∞ BLANKETS

### CLOUD COVER-(CONT.)

- CAP CLOUDS
- CIRROCUMULUS CLOUDS
- CIRROSTRATUS CLOUDS
- CLIMATOLOGY
- CLOUDS (METEOROLOGY)
- FLIGHT CONDITIONS
- METEOROLOGICAL PARAMETERS
- METEOROLOGY
- METEOSAT SATELLITE
- NEPHANALYSIS
- SHADOWS
- SKY
- SKY BRIGHTNESS
- SOLAR RADIATION
- SUNLIGHT
- VENUS CLOUDS
- VENUS SURFACE
- WEATHER FORECASTING

### CLOUD DISPERSAL

- GS WEATHER MODIFICATION
  - . CLOUD DISPERSAL
- RT CLIMATOLOGY
  - CLOUDS (METEOROLOGY)
  - DISPERSING

### CLOUD GLACIATION

- GS ICE FORMATION
  - . CLOUD GLACIATION
- RT FREEZING
  - HAIL
  - ICE NUCLEI
  - SNOW
  - SNOW COVER

### CLOUD HEIGHT INDICATORS

- UF CEILOMETERS
- GS MEASURING INSTRUMENTS
  - . INDICATING INSTRUMENTS
  - . . CLOUD HEIGHT INDICATORS
  - . . METEOROLOGICAL INSTRUMENTS
  - . . CLOUD HEIGHT INDICATORS
- RT CEILINGS (METEOROLOGY)

### CLOUD PHOTOGRAPHS

- GS PHOTOGRAPHS
  - . CLOUD PHOTOGRAPHS
- RT AERIAL PHOTOGRAPHY
  - ALL SKY PHOTOGRAPHY
  - PHOTOGRAPHY
  - SPACEBORNE PHOTOGRAPHY
  - TIROS PROJECT

### CLOUD PHOTOGRAPHY

- GS IMAGERY
  - . CLOUD PHOTOGRAPHY
  - PHOTOGRAPHY
  - . CLOUD PHOTOGRAPHY
- RT AERIAL PHOTOGRAPHY
  - ALL SKY PHOTOGRAPHY
  - BLACK AND WHITE PHOTOGRAPHY
  - ESSA SATELLITES
  - METEOROLOGICAL SATELLITES
  - METEOSAT SATELLITE
  - NIMBUS PROJECT
  - NIMBUS SATELLITES
  - NIMBUS 1 SATELLITE
  - NIMBUS 2 SATELLITE
  - SPACEBORNE PHOTOGRAPHY
  - TIROS OPERATIONAL SATELLITE SYSTEM
  - TIROS PROJECT
  - TIROS SATELLITES

### CLOUD PHYSICS

- GS ATMOSPHERIC PHYSICS
  - . CLOUD PHYSICS
- RT AITKEN NUCLEI
  - ATMOSPHERIC CLOUD PHYSICS LAB (SPACELAB)
  - ATMOSPHERIC ELECTRICITY
  - CONDENSATION NUCLEI
  - CONDENSING
  - CONVECTION CLOUDS
  - DROP SIZE
  - FOG DISPERSAL
  - NEPHANALYSIS
  - OPHIUCHI CLOUDS
  - ∞ PHYSICS
  - PRECIPITATION (METEOROLOGY)
  - ∞ SCIENCE
  - VENUS CLOUDS
  - WEATHER MODIFICATION

### CLOUD SEEDING

- GS NUCLEATION
  - . CLOUD SEEDING
  - WEATHER MODIFICATION
  - . CLOUD SEEDING
- RT CLOUDS (METEOROLOGY)
  - PRECIPITATION (METEOROLOGY)
  - RAIN
  - RAINMAKING
  - STIMULATION
- ∞ CLOUDS
  - SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
  - RT CLOUDS (METEOROLOGY)
    - DUST
    - ELECTRON CLOUDS
    - EXHAUST CLOUDS
    - H I REGIONS
    - H II REGIONS
    - HYDROGEN CLOUDS
    - MAGELLANIC CLOUDS
    - MAGNETIC CLOUDS
    - METEOROID DUST CLOUDS
    - MOLECULAR CLOUDS
    - OORT CLOUD
    - OPHIUCHI CLOUDS
    - PARTICLES
    - PLASMA CLOUDS
    - VENUS CLOUDS

### CLOUDS (METEOROLOGY)

- UF CHAOTIC CLOUD PATTERNS
- GS CLOUDS (METEOROLOGY)
  - . ARTIFICIAL CLOUDS
  - . . CHEMICAL CLOUDS
  - . . . BARIUM ION CLOUDS
  - . . CAP CLOUDS
  - . . CIRROCUMULUS CLOUDS
  - . . CIRROSTRATUS CLOUDS
  - . . CIRRUS CLOUDS
  - . . CIRRUS SHIELDS
  - . . CONVECTION CLOUDS
  - . . ARC CLOUDS
  - . . CUMULONIMBUS CLOUDS
  - . . . ANVIL CLOUDS
  - . . CUMULUS CLOUDS
  - . . . ANVIL CLOUDS
  - . . NIMBOSTRATUS CLOUDS
  - . . NOCTILUCENT CLOUDS
  - . . STRATOCUMULUS CLOUDS
  - . . STRATUS CLOUDS
- RT ACID RAIN
  - ALPINE METEOROLOGY
  - ATMOSPHERIC CORRECTION
  - ATMOSPHERIC MOISTURE
  - CLIMATOLOGY
  - CLOUD COVER
  - CLOUD DISPERSAL
  - CLOUD SEEDING
  - ∞ CLOUDS
    - CONDENSATION NUCLEI
    - DROP SIZE
    - FOG
    - FOG DISPERSAL
    - METEOROLOGY
    - NEPHANALYSIS
    - PRECIPITATION (METEOROLOGY)
    - SHADOWS
    - SKY
    - THUNDERSTORMS
    - WEATHER

### CLUMPS

- RT AGGLOMERATION
  - ∞ CLUSTERS
  - PATTERN RECOGNITION
  - REGRESSION ANALYSIS

### CLUSTER ANALYSIS

- RT CLASSIFICATIONS
  - IMAGE ANALYSIS
  - IMAGE PROCESSING
  - PATTERN RECOGNITION
  - REMOTE SENSING
  - STATISTICAL ANALYSIS

### ∞ CLUSTERS

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT CLUMPS
  - GALACTIC CLUSTERS
  - GLOBULAR CLUSTERS

## CLUTCHES

### CLUSTERS-(CONT.)

PLEIADES CLUSTER  
PRAESEPE STAR CLUSTERS  
STAR CLUSTERS  
VIRGO GALACTIC CLUSTER

### CLUTCHES

RT ENGINE PARTS  
MECHANICAL DEVICES  
MECHANICAL DRIVES

### CLUTTER

GS ECHOES  
RADAR ECHOES  
CLUTTER  
RT JAMMING  
RADIO FREQUENCY INTERFERENCE

### CMOS

UF COMPLEMENTARY METAL OXIDE  
SEMICONDUCTORS  
GS ELECTRONIC EQUIPMENT  
SOLID STATE DEVICES  
SEMICONDUCTOR DEVICES  
METAL OXIDE SEMICONDUCTORS  
CMOS  
SEMICONDUCTORS (MATERIALS)  
METAL OXIDE SEMICONDUCTORS  
CMOS  
RT ITO (SEMICONDUCTORS)  
LATCH-UP

### CN EMISSION

UF CYANIDE EMISSION  
GS ELECTROMAGNETIC RADIATION  
RADIO WAVES  
RADIO EMISSION  
CN EMISSION  
EMISSION  
RADIO EMISSION  
CN EMISSION  
RT HYDROCYANIC ACID  
MILLIMETER WAVES  
RADIO SOURCES (ASTRONOMY)

### CNOIDAL WAVES

RT ELASTIC WAVES  
GRAVITY WAVES  
SHALLOW WATER  
SOLITARY WAVES  
SURFACE WAVES  
WATER DEPTH  
WATER WAVES  
WAVES

### COACHELLA VALLEY (CA)

GS VALLEYS  
COACHELLA VALLEY (CA)  
RT CALIFORNIA  
DESERTS

### COAGULATION

GS COAGULATION  
BLOOD COAGULATION  
RT ACCUMULATIONS  
AGGLOMERATION  
AITKEN NUCLEI  
BLOOD  
COALESCING  
CONCENTRATING  
DEPOSITION  
EMBOLISMS  
FIBRIN  
FLOCCULATING  
FLOTATION  
GELATION  
HARDENING (MATERIALS)  
HEMORRHAGES  
LUMPING  
PRECIPITATION (CHEMISTRY)  
SEPARATION  
SETTING  
SETTLING  
SOLIDIFICATION  
THROMBOPENIA  
WATER TREATMENT

### COAL

GS RESOURCES  
EARTH RESOURCES  
FOSSIL FUELS  
COAL  
ANTHRACITE  
LIGNITE  
SOLVENT REFINED COAL

### COAL-(CONT.)

ROCKS  
SEDIMENTARY ROCKS  
CARBONACEOUS ROCKS  
COAL  
ANTHRACITE  
LIGNITE  
RT ASHES  
ASPHALTENES  
BITUMENS  
CARBONACEOUS MATERIALS  
COAL DERIVED GASES  
COAL DERIVED LIQUIDS  
COAL GASIFICATION  
COAL LIQUEFACTION  
COAL UTILIZATION  
COKE  
ENERGY POLICY  
FLY ASH  
HYDROLYSIS  
PEAT  
REGOLITH  
SOILS  
STRIP MINING  
SYNTANE

### COAL DERIVED GASES

RT CATALYSTS  
COAL  
COAL DERIVED LIQUIDS  
COAL GASIFICATION  
COAL UTILIZATION  
METHANE

### COAL DERIVED LIQUIDS

RT ASPHALTENES  
CATALYSTS  
COAL  
COAL DERIVED GASES  
COAL GASIFICATION  
COAL LIQUEFACTION  
COAL UTILIZATION

### COAL GASIFICATION

GS GASIFICATION  
COAL GASIFICATION  
HYDROLYSIS  
RT COAL  
COAL DERIVED GASES  
COAL DERIVED LIQUIDS  
COAL LIQUEFACTION  
CRACKING (CHEMICAL ENGINEERING)  
ENERGY POLICY  
FUEL CELL POWER PLANTS  
GASES  
HYDROCARBON FUELS  
HYDROCRACKING  
LIGNITE  
METHANATION  
SYNTANE  
VOLATILITY

### COAL LIQUEFACTION

GS PHASE TRANSFORMATIONS  
LIQUEFACTION  
COAL LIQUEFACTION  
RT ASPHALTENES  
COAL  
COAL DERIVED LIQUIDS  
COAL GASIFICATION  
ENERGY POLICY  
HYDROCARBON FUELS  
HYDROCRACKING  
HYDROLYSIS  
LIGNITE  
MELTING  
SOLVENT REFINED COAL

### COAL UTILIZATION

GS UTILIZATION  
COAL UTILIZATION  
RT COAL  
COAL DERIVED GASES  
COAL DERIVED LIQUIDS  
ENERGY CONSUMPTION  
ENERGY POLICY  
ENERGY TECHNOLOGY  
HYDROCARBON FUELS  
LIGNITE  
SOLVENT REFINED COAL

### COALESCENCE

USE COALESCING

### COALESCING

UF COALESCENCE  
RT AGGLOMERATION  
AGITATION  
COAGULATION  
CONCENTRATING  
FLOCCULATING  
MIXERS  
SEPARATION  
SETTLING  
THICKENERS (EQUIPMENT)

### COANDA EFFECT

RT ATTACHMENT  
BUBBLES  
CIRCULATION CONTROL AIRFOILS  
EFFECTS  
ENTRAINMENT  
FLUID AMPLIFIERS  
JET AMPLIFIERS  
JET STREAMS (METEOROLOGY)  
REATTACHED FLOW  
SEPARATION  
THRUST AUGMENTATION

### COARSENESS

RT FINENESS  
REFLECTANCE  
ROUGHNESS  
SURFACE PROPERTIES  
SURFACE ROUGHNESS  
SURFACE STABILITY  
SURFACE TEMPERATURE

### COASTAL CURRENTS

UF LITTORAL CURRENTS  
LONGSHORE CURRENTS  
GS CIRCULATION  
WATER CIRCULATION  
WATER CURRENTS  
OCEAN CURRENTS  
COASTAL CURRENTS  
RT BEACHES  
COASTS  
CURRENTS  
GYRES  
OCEANOGRAPHY  
OCEANS  
SEA TRUTH  
SEAS  
TIDES  
WETLANDS

### COASTAL DUNES

USE DUNES

### COASTAL ECOLOGY

GS ECOLOGY  
COASTAL ECOLOGY  
RT BIOMETEOROLOGY  
COASTS  
EARTH RESOURCES  
ENVIRONMENT EFFECTS  
ENVIRONMENTS  
MARINE ENVIRONMENTS  
MARINE RESOURCES  
OIL POLLUTION  
PHENOLOGY  
THERMAL POLLUTION  
WATERFOWL  
WETLANDS

### COASTAL MARSHLANDS

USE MARSHLANDS

### COASTAL PLAINS

GS LAND  
PLAINS  
COASTAL PLAINS  
RT BARS (LANDFORMS)  
BEACHES  
BIOMETEOROLOGY  
COASTS  
EARTH RESOURCES  
ECOLOGY  
ENVIRONMENTS  
PIEDMONTS  
WETLANDS

### COASTAL RANGES (CA)

GS LANDFORMS  
MOUNTAINS  
COASTAL RANGES (CA)  
RT CALIFORNIA  
PACIFIC OCEAN

## COBALT ISOTOPES

### COASTAL WATER

- GS WATER
  - . NEARSHORE WATER
  - . **COASTAL WATER**
- RT COASTAL ZONE COLOR SCANNER
  - . ENVIRONMENT EFFECTS
  - . OCEAN COLOR SCANNER
  - . OCEANS
  - . SEA WATER
  - . SHELLFISH
  - . SHORELINES
  - . VADOSE WATER
  - . WATER DEPTH
  - . WETLANDS

### COASTAL ZONE COLOR SCANNER

- GS SCANNERS
  - . **COASTAL ZONE COLOR SCANNER**
- RT CHLOROPHYLLS
  - . COASTAL WATER
  - . COLORIMETRY
  - . MULTISPECTRAL BAND SCANNERS
  - . OCEAN COLOR SCANNER
  - . OCEAN DATA ACQUISITIONS SYSTEMS
  - . OCEANOGRAPHIC PARAMETERS
  - . OCEANOGRAPHY
  - . PHOTOMAPPING
  - . REMOTE SENSING
  - . REMOTE SENSORS
  - . SATELLITE IMAGERY
  - . WATER COLOR

### COASTING FLIGHT

- RT ASCENT TRAJECTORIES
  - . BALLISTIC TRAJECTORIES
  - . CLIMBING FLIGHT
  - . CRUISING FLIGHT
  - . DESCENT TRAJECTORIES
- ∞ FLIGHT
  - . MIDCOURSE TRAJECTORIES
  - . PARABOLIC FLIGHT
  - . ROCKET FLIGHT
  - . SOARING

### COASTS

- RT BEACHES
  - . CASPIAN SEA
  - . COASTAL CURRENTS
  - . COASTAL ECOLOGY
  - . COASTAL PLAINS
  - . CORAL REEFS
  - . CUSPS (LANDFORMS)
  - . DUNES
  - . ESTUARIES
  - . LAGOONS
  - . LAKES
  - . LITTORAL DRIFT
  - . MARINE ENVIRONMENTS
  - . OCEANS
  - . SEAS
  - . SHORELINES
  - . STORM SURGES
  - . TIDAL FLATS
  - . UPWELLING WATER

### COATING

- GS COATING
  - . ANODIZING
  - . ELECTROPLATING
  - . ENCAPSULATING
  - . METALLIZING
- RT ANODIC STRIPPING
  - . COATINGS
  - . CORROSION PREVENTION
  - . DEPOSITION
  - . FLAME PLATING
  - . FLAME SPRAYING
  - . LINING PROCESSES
  - . METAL FINISHING
  - . METAL SPRAYING
  - . ∞ METALLURGY
  - . PLASMA SPRAYING
  - . ∞ PRIMING
  - . SEALING
  - . SILICONIZING
  - . SPRAYING
  - . SURFACE FINISHING
  - . SURFACE PROPERTIES
  - . VAPOR DEPOSITION

### COATINGS

- GS COATINGS
  - . ANTIRADAR COATINGS
  - . ANTIREFLECTION COATINGS
  - . BIREFRINGENT COATINGS

### COATINGS-(CONT.)

- . CATHODIC COATINGS
- . ELECTROPLATING
- . ENAMELS
- . ENCAPSULATING
- . GLASS COATINGS
- . GLAZES
- . INORGANIC COATINGS
- . ANODIC COATINGS
- . CERAMIC COATINGS
- . LACQUERS
- . MAGNETIC FILMS
- . METAL COATINGS
- . ALUMINUM COATINGS
- . GOLD COATINGS
- . NICKEL COATINGS
- . ZINC COATINGS
- . METALLIZING
- . PAINTS
- . PLASTIC COATINGS
- . PROTECTIVE COATINGS
- . ANODIC COATINGS
- . CERAMIC COATINGS
- . PRIMERS (COATINGS)
- . REFRACTORY COATINGS
- . RUBBER COATINGS
- . SPRAYED COATINGS
- . THERMAL CONTROL COATINGS
- RT ADDITIVES
  - . COATING
  - . COMPOSITE MATERIALS
  - . CORROSION
  - . CORROSION PREVENTION
  - . COVERINGS
  - . CRYODEPOSITS
  - . DEPOSITION
  - . DEPOSITS
  - . DIPPING
  - . ELECTROLESS DEPOSITION
  - . ENERGY ABSORPTION FILMS
  - . EPOXY RESINS
  - . FABRICS
  - . ∞ FILMS
  - . FINISHES
  - . FLAME SPRAYING
  - . FURAN RESINS
  - . HOT CORROSION
  - . IMPREGNATING
  - . INHIBITORS
  - . LAMINATES
  - . ∞ LAYERS
  - . LINING PROCESSES
  - . LININGS
  - . METAL FILMS
  - . METAL FINISHING
  - . METAL SPRAYING
  - . ∞ METALLURGY
  - . MOISTURE RESISTANCE
  - . PASSIVITY
  - . PAVEMENTS
  - . PLASMA SPRAYING
  - . PLASTICIZERS
  - . ∞ PRIMING
  - . PROTECTION
  - . RUSTING
  - . SEALERS
  - . SEALING
  - . ∞ SHEETS
  - . SILICONIZING
  - . SOLVENTS
  - . SPRAYING
  - . SUBSTRATES
  - . SURFACE FINISHING
  - . SURFACE PROPERTIES
  - . THIN FILMS
  - . VAPOR DEPOSITION
  - . VENEERS
  - . WATERPROOFING
  - . WAXES
  - . WEATHERPROOFING
  - . WINGS

### COAXIAL CABLES

- UF COAXIAL TRANSMISSION
- GS TRANSMISSION LINES
  - . COMMUNICATION CABLES
  - . **COAXIAL CABLES**
- RT ∞ CABLES
  - . POWER LINES
  - . SUBMARINE CABLES
  - . WAVEGUIDES

### COAXIAL FLOW

- GS FLUID FLOW
  - . **COAXIAL FLOW**

### COAXIAL FLOW-(CONT.)

- RT ANNULAR FLOW
  - . ANNULAR NOZZLES
  - . AXIAL FLOW
  - . AXISYMMETRIC FLOW
  - . FLOW GEOMETRY
  - . HILSCH TUBES
  - . SHEAR FLOW
  - . STRATIFIED FLOW
  - . TWO DIMENSIONAL FLOW

### COAXIAL NOZZLES

- RT AIRCRAFT NOISE
  - . AXIAL FLOW
  - . FLUID FLOW
  - . NOISE REDUCTION
  - . NOZZLE GEOMETRY
  - . ∞ NOZZLES
  - . SUPERSONIC NOZZLES
  - . VARIABLE CYCLE ENGINES

### COAXIAL PLASMA ACCELERATORS

- GS PLASMA ACCELERATORS
  - . **COAXIAL PLASMA ACCELERATORS**
- RT ∞ ACCELERATORS
  - . PLASMA ENGINES
  - . PLASMA GUNS

### COAXIAL TRANSMISSION

- USE COAXIAL CABLES
  - . TRANSMISSION

### COBALT

- GS CHEMICAL ELEMENTS
  - . **COBALT**
  - . . COBALT ISOTOPES
  - . . . COBALT 58
  - . . . COBALT 60
  - . METALS
  - . . TRANSITION METALS
  - . . **COBALT**
  - . . . COBALT ISOTOPES
  - . . . . COBALT 58
  - . . . . COBALT 60
- RT STRATEGIC MATERIALS

### COBALT ACETATES

- GS ACETATES
  - . **COBALT ACETATES**
  - . COBALT COMPOUNDS
  - . **COBALT ACETATES**
  - . ESTERS
  - . **COBALT ACETATES**

### COBALT ALLOYS

- GS ALLOYS
  - . **COBALT ALLOYS**
  - . . ASTROLOY (TRADEMARK)
  - . . RENE 41
  - . . RENE 63
  - . . RENE 77
  - . . RENE 95
- RT HEAT RESISTANT ALLOYS
  - . KOVAR (TRADEMARK)
  - . STELLITE (TRADEMARK)
  - . WASPALOY

### COBALT COMPOUNDS

- GS **COBALT COMPOUNDS**
  - . COBALT ACETATES
  - . COBALT FLUORIDES
  - . COBALT OXALATES
  - . COBALT OXIDES
  - . COHENITE
- RT ∞ CHEMICAL COMPOUNDS
- ∞ GROUP 8 COMPOUNDS
- ∞ METAL COMPOUNDS

### COBALT FLUORIDES

- GS COBALT COMPOUNDS
  - . **COBALT FLUORIDES**
  - . HALOGEN COMPOUNDS
  - . FLUORINE COMPOUNDS
  - . . FLUORIDES
  - . . . METAL FLUORIDES
  - . . . . **COBALT FLUORIDES**

### COBALT ISOTOPES

- GS CHEMICAL ELEMENTS
  - . COBALT
  - . **COBALT ISOTOPES**
  - . . COBALT 58
  - . . COBALT 60
  - . . NUCLIDES

## COBALT OXALATES

### COBALT ISOTOPES-(CONT.)

.. ISOTOPES  
 .. **COBALT ISOTOPES**  
 .. COBALT 58  
 .. COBALT 60  
 METALS  
 . TRANSITION METALS  
 . COBALT  
 .. **COBALT ISOTOPES**  
 .. COBALT 58  
 .. COBALT 60

### COBALT OXALATES

GS COBALT COMPOUNDS  
 . **COBALT OXALATES**  
 OXALATES  
 . **COBALT OXALATES**

### COBALT OXIDES

GS CHALCOGENIDES  
 . OXIDES  
 . METAL OXIDES  
 . **COBALT OXIDES**  
 COBALT COMPOUNDS  
 . **COBALT OXIDES**

### COBALT 58

GS CHEMICAL ELEMENTS  
 . COBALT  
 . COBALT ISOTOPES  
 . **COBALT 58**  
 . NUCLIDES  
 . ISOTOPES  
 . COBALT ISOTOPES  
 . **COBALT 58**  
 . RADIOACTIVE ISOTOPES  
 . **COBALT 58**  
 METALS  
 . TRANSITION METALS  
 . COBALT  
 . COBALT ISOTOPES  
 . **COBALT 58**

### COBALT 60

GS CHEMICAL ELEMENTS  
 . COBALT  
 . COBALT ISOTOPES  
 . **COBALT 60**  
 . NUCLIDES  
 . ISOTOPES  
 . COBALT ISOTOPES  
 . **COBALT 60**  
 . RADIOACTIVE ISOTOPES  
 . **COBALT 60**  
 METALS  
 . TRANSITION METALS  
 . COBALT  
 . COBALT ISOTOPES  
 . **COBALT 60**

### COBE

USE COSMIC BACKGROUND EXPLORER  
 SATELLITE

### COBOL

UF COMMON BUSINESS ORIENTED  
 LANGUAGE  
 GS LANGUAGES  
 . PROGRAMMING LANGUAGES  
 . **COBOL**  
 RT FORTRAN  
 PL/1

### COBRA DANE (RADAR)

GS RADAR  
 . SURVEILLANCE RADAR  
 . **COBRA DANE (RADAR)**  
 . TRACKING RADAR  
 . **COBRA DANE (RADAR)**  
 RT ANTENNA ARRAYS  
 EARLY WARNING SYSTEMS  
 MISSILE TRAJECTORIES  
 RADAR SIGNATURES

### COCCOMYCES

GS PLANTS (BOTANY)  
 . FUNGI  
 . **COCCOMYCES**

### COCHLEA

GS ANATOMY  
 . SENSE ORGANS  
 . EAR  
 . LABYRINTH

### COCHLEA-(CONT.)

.. **COCHLEA**  
 .. CORTI ORGAN

### COCK AIRCRAFT

USE AN-22 AIRCRAFT

### COCKPIT SIMULATORS

GS SIMULATORS  
 . TRAINING SIMULATORS  
 . FLIGHT SIMULATORS  
 . **COCKPIT SIMULATORS**  
 RT SPACECRAFT CABIN SIMULATORS  
 TRAINING DEVICES

### COCKPITS

RT AIRCRAFT COMPARTMENTS  
 CABIN ATMOSPHERES  
 .. CABINS  
 .. CANOPIES  
 EJECTION SEATS  
 FLYING EJECTION SEATS  
 FUSELAGES  
 PRESSURIZED CABINS  
 SPACE CAPSULES  
 SPACECRAFT CABIN ATMOSPHERES  
 SPACECRAFT CABINS  
 WINDSHIELDS

### COCKROACHES

UF BLATTIDAE  
 GS ANIMALS  
 . INVERTEBRATES  
 . ARTHROPODS  
 . INSECTS  
 . **COCKROACHES**

### COCKS

UF STOPCOCKS  
 GS VALVES  
 . **COCKS**  
 RT GAS VALVES  
 HYDRAULIC EQUIPMENT

### COD AIRCRAFT

USE C-2 AIRCRAFT

### CODE DIVISION MULTIPLE ACCESS

UF CDMA  
 GS TELECOMMUNICATION  
 . MULTIPLE ACCESS  
 . **CODE DIVISION MULTIPLE ACCESS**  
 . RADIO COMMUNICATION  
 . RADIO RELAY SYSTEMS  
 . **CODE DIVISION MULTIPLE ACCESS**  
 TRANSMISSION  
 . SIGNAL TRANSMISSION  
 . DATA TRANSMISSION  
 . MULTIPLE ACCESS  
 . **CODE DIVISION MULTIPLE ACCESS**

RT ALOHA SYSTEM  
 FREQUENCY DIVISION MULTIPLE  
 ACCESS  
 MULTICHANNEL COMMUNICATION  
 MULTIPLEXING  
 SATELLITE NETWORKS  
 SWITCHING  
 WIDEBAND COMMUNICATION

### CODE DIVISION MULTIPLEXING

GS TRANSMISSION  
 . MULTIPLEXING  
 . **CODE DIVISION MULTIPLEXING**  
 RT DATA TRANSMISSION  
 DEMULTIPLEXING  
 FREQUENCY DIVISION MULTIPLE  
 ACCESS  
 RADIO COMMUNICATION  
 RADIO TRANSMISSION  
 SATELLITE TRANSMISSION  
 SIGNAL TRANSMISSION  
 TELECOMMUNICATION  
 WAVELENGTH DIVISION MULTIPLEXING

### CODERS

UF ENCODERS  
 RT ANALOG TO DIGITAL CONVERTERS  
 CODING  
 DECODERS  
 PROGRAMMERS

### CODES

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT BCH CODES  
 BINARY CODES  
 BITERNARY CODE  
 CODING  
 COLOR CODING  
 CONCATENATED CODES  
 CRYPTOGRAPHY  
 DIGITS  
 ERROR CORRECTING CODES  
 ERROR DETECTION CODES  
 MORSE CODE  
 STANDARDS  
 SYMBOLS

### CODING

UF ENCODING  
 NOTATION  
 GS **CODING**  
 . DECODING  
 . REDUNDANCY ENCODING  
 . SIGNAL ENCODING  
 . AMPLITUDE MODULATION  
 . FREQUENCY MODULATION  
 . FEEDBACK FREQUENCY  
 MODULATION  
 . FM/PM (MODULATION)  
 . FREQUENCY SHIFT KEYING  
 . PULSE FREQUENCY MODULATION  
 . PHASE MODULATION  
 . FM/PM (MODULATION)  
 . PHASE SHIFT KEYING  
 . PULSE MODULATION  
 . PULSE AMPLITUDE MODULATION  
 . PULSE CODE MODULATION  
 . DELTA MODULATION  
 . DIFFERENTIAL PULSE CODE  
 MODULATION  
 . PULSE FREQUENCY MODULATION  
 . PULSE TIME MODULATION  
 . PULSE DURATION MODULATION  
 . PULSE POSITION MODULATION  
 . WISWESSER NOTATIONS  
 RT ADDRESSING  
 ALPHABETS  
 ANALOG TO DIGITAL CONVERTERS  
 BCH CODES  
 CODERS  
 .. CODES  
 .. COLOR CODING  
 .. COMPUTER PROGRAMMING  
 .. COMPUTER PROGRAMS  
 .. CONCATENATED CODES  
 .. CRYPTOGRAPHY  
 .. DATA TRANSMISSION  
 .. DICTIONARIES  
 .. DIGITAL TECHNIQUES  
 .. ERROR DETECTION CODES  
 .. IDENTIFYING  
 .. INFORMATION THEORY  
 .. LANGUAGES  
 .. PARITY  
 .. PULSE COMPRESSION  
 .. SYMBOLIC PROGRAMMING  
 .. SYMBOLS  
 .. VITERBI DECODERS

### COEFFICIENT OF FRICTION

UF FRICTION COEFFICIENT  
 GS COEFFICIENTS  
 . **COEFFICIENT OF FRICTION**  
 SURFACE PROPERTIES  
 . **COEFFICIENT OF FRICTION**  
 RT FRICTION  
 FRICTION FACTOR  
 FRICTION REDUCTION  
 KINETIC FRICTION  
 SLIDING FRICTION  
 STATIC FRICTION  
 WEAR RESISTANCE

### COEFFICIENTS

GS **COEFFICIENTS**  
 . ACCOMMODATION COEFFICIENT  
 . AERODYNAMIC COEFFICIENTS  
 . ATTENUATION COEFFICIENTS  
 . BINOMIAL COEFFICIENTS  
 . CLEBSCH-GORDAN COEFFICIENTS  
 . COEFFICIENT OF FRICTION  
 . COHERENCE COEFFICIENT  
 . CORRELATION COEFFICIENTS  
 . COUPLING COEFFICIENTS

**COEFFICIENTS-(CONT.)**

. DIFFUSION COEFFICIENT  
 . SORET COEFFICIENT  
 . FLOW COEFFICIENTS  
 . DISCHARGE COEFFICIENT  
 . HEAT TRANSFER COEFFICIENTS  
 . INFLUENCE COEFFICIENT  
 . STRUCTURAL INFLUENCE COEFFICIENTS  
 . IONIZATION COEFFICIENTS  
 . NOZZLE THRUST COEFFICIENTS  
 . ONSAGER PHENOMENOLOGICAL COEFFICIENT  
 . RECOMBINATION COEFFICIENT  
 . REGRESSION COEFFICIENTS  
 . SCATTERING COEFFICIENTS  
 . VIRIAL COEFFICIENTS  
 . WIGNER COEFFICIENT  
 RT  $\infty$  CONSTANT  
 . CONSTANTS  
 . MECHANICAL PROPERTIES  
 . OPTICAL PROPERTIES  
 . POLYNOMIALS  
 . RACAH COEFFICIENT  
 . STATISTICAL ANALYSIS  
 $\infty$  WEIGHT

**COENZYMES**

GS ORGANIC COMPOUNDS  
 . **COENZYMES**  
 . . ADENOSINE DIPHOSPHATE  
 . . ADENOSINE TRIPHOSPHATE  
 . . CYCLIC AMP  
 . . GLUTATHIONE  
 . . THIAMINE  
 RT ENZYMES

**COERCIVITY**

RT MAGNETIC PROPERTIES  
 . MAGNETIZATION

**COESITE**

GS CHALCOGENIDES  
 . OXIDES  
 . . DIOXIDES  
 . . . SILICON DIOXIDE  
 . . . QUARTZ  
 . . . **COESITE**  
 . . . SILICON OXIDES  
 . . . SILICON DIOXIDE  
 . . . QUARTZ  
 . . . **COESITE**  
 MINERALS  
 . QUARTZ  
 . **COESITE**  
 . SILICON COMPOUNDS  
 . . SILICON OXIDES  
 . . SILICON DIOXIDE  
 . . . QUARTZ  
 . . . **COESITE**  
 RT EARTH CRUST  
 . EARTH MANTLE  
 . METEORITES  
 . RUTILE  
 . STISHOVITE  
 . STONY METEORITES  
 . TEKITES

**COFFEE**

GS FARM CROPS  
 . **COFFEE**  
 RT BEVERAGES

**COFFIN-MANSON LAW**

GS LAWS  
 . **COFFIN-MANSON LAW**  
 RT CRACK PROPAGATION  
 . FATIGUE LIFE  
 . FATIGUE TESTS  
 . METAL FATIGUE

**COGENERATION**

RT ELECTRIC GENERATORS  
 . ELECTRIC POWER PLANTS  
 . ENERGY CONVERSION  
 $\infty$  GENERATION  
 . HEAT GENERATION  
 $\infty$  POWER PLANTS  
 . SOLAR ENERGY CONVERSION  
 . THERMAL ENERGY  
 . WASTE ENERGY UTILIZATION

**COGNITION**

RT ARTIFICIAL INTELLIGENCE  
 . COGNITIVE PSYCHOLOGY

**COGNITION-(CONT.)**

DECISION MAKING  
 IDENTIFYING  
 IFF SYSTEMS (IDENTIFICATION)  
 INFORMATION PROCESSING (BIOLOGY)  
 KNOWLEDGE REPRESENTATION  
 PERCEPTION

**COGNITIVE PSYCHOLOGY**

GS PSYCHOLOGY  
 . **COGNITIVE PSYCHOLOGY**  
 RT COGNITION  
 . INFORMATION PROCESSING (BIOLOGY)  
 . INTELLIGENCE  
 . MENTAL PERFORMANCE

**COGO (PROGRAMMING LANGUAGE)**

UF COORDINATE GEOMETRY LANGUAGE  
 GS LANGUAGES  
 . PROGRAMMING LANGUAGES  
 . **COGO (PROGRAMMING LANGUAGE)**

**COHENITE**

GS COBALT COMPOUNDS  
 . **COHENITE**  
 . IRON COMPOUNDS  
 . **COHENITE**  
 . MINERALS  
 . **COHENITE**  
 . NICKEL COMPOUNDS  
 . **COHENITE**

$\infty$  **COHERENCE**

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)*  
 RT COHERENT RADIATION  
 . COHERENT SCATTERING  
 . COHESION  
 . CONGRUENCES  
 . ELASTIC SCATTERING  
 . INTELLIGIBILITY  
 . LASER OUTPUTS  
 . LASERS  
 . MASER OUTPUTS  
 . PHASE COHERENCE  
 . WAVE DISPERSION  
 . WAVE PROPAGATION

**COHERENCE COEFFICIENT**

GS COEFFICIENTS  
 . **COHERENCE COEFFICIENT**  
 RT COHERENT RADAR  
 . COHERENT RADIATION  
 $\infty$  INTERFERENCE  
 . NOISE PROPAGATION  
 . PHASE COHERENCE  
 . STOCHASTIC PROCESSES

**COHERENT ACOUSTIC RADIATION**

GS COHERENT RADIATION  
 . **COHERENT ACOUSTIC RADIATION**  
 . ELASTIC WAVES  
 . **COHERENT ACOUSTIC RADIATION**  
 RT  $\infty$  RADIATION  
 . ULTRASONIC RADIATION  
 . UNDERWATER ACOUSTICS

**COHERENT ANTI-STOKES RAMAN SPECTROSCOPY**

USE RAMAN SPECTROSCOPY

**COHERENT ELECTROMAGNETIC RADIATION**

GS COHERENT RADIATION  
 . **COHERENT ELECTROMAGNETIC RADIATION**  
 . . COHERENT LIGHT  
 . . ELECTROMAGNETIC RADIATION  
 . **COHERENT ELECTROMAGNETIC RADIATION**  
 . . COHERENT LIGHT  
 . . BEAMS (RADIATION)  
 . . HOLOGRAPHY  
 . . INFRARED RADIATION  
 . . INTERSTELLAR MASERS  
 . . IONIZING RADIATION  
 . . KRYPTON FLUORIDE LASERS  
 . . LASERS  
 . . LIGHT (VISIBLE RADIATION)  
 . . MASERS  
 . . MODULATED CONTINUOUS RADIATION  
 . . MONOCHROMATIC RADIATION  
 $\infty$  RADIATION  
 . RADIO WAVES  
 . SQUEEZED STATES (QUANTUM THEORY)

**COHERENT ELECTROMAGNETIC-(CONT.)**

STIMULATED EMISSION  
 STIMULATED EMISSION DEVICES  
 TRAVELING WAVE MASERS  
 ULTRAVIOLET RADIATION

**COHERENT LIGHT**

GS COHERENT RADIATION  
 . COHERENT ELECTROMAGNETIC RADIATION  
 . . **COHERENT LIGHT**  
 . . ELECTROMAGNETIC RADIATION  
 . . COHERENT ELECTROMAGNETIC RADIATION  
 . . **COHERENT LIGHT**  
 . . LIGHT (VISIBLE RADIATION)  
 . . **COHERENT LIGHT**  
 RT GAMMA RAY LASERS  
 . HCN LASERS  
 . HOLOGRAPHIC INTERFEROMETRY  
 . HOLOGRAPHY  
 . LASER OUTPUTS  
 . LASERS  
 . MONOCHROMATIC RADIATION  
 . NEODYMIUM LASERS  
 . OPTICAL COMPUTERS  
 . OPTICAL MEMORY (DATA STORAGE)  
 . PHASE COHERENCE  
 . PLASMA DYNAMIC LASERS  
 . RARE GAS-HALIDE LASERS  
 . SCATTER PLATES (OPTICS)  
 . SHIVA LASER SYSTEM  
 . SPECKLE HOLOGRAPHY  
 . SQUEEZED STATES (QUANTUM THEORY)  
 . STIMULATED EMISSION  
 . TWO-WAVELENGTH LASERS  
 . ULTRAVIOLET LASERS

**COHERENT RADAR**

GS RADAR  
 . **COHERENT RADAR**  
 RT COHERENCE COEFFICIENT  
 . CONTINUOUS WAVE RADAR  
 . DOPPLER RADAR  
 . MOVING TARGET INDICATORS  
 . PULSE DOPPLER RADAR  
 . PULSE RADAR  
 . RADAR DETECTION  
 . SEARCH RADAR  
 . SURVEILLANCE RADAR  
 . TRACKING RADAR

**COHERENT RADIATION**

UF COHERENT SOURCES  
 . COHERENT TRANSMISSION  
 GS **COHERENT RADIATION**  
 . COHERENT ACOUSTIC RADIATION  
 . COHERENT ELECTROMAGNETIC RADIATION  
 . . COHERENT LIGHT  
 . . BEAMS (RADIATION)  
 $\infty$  COHERENCE  
 . COHERENCE COEFFICIENT  
 . CONTINUOUS RADIATION  
 . CORPUSCULAR RADIATION  
 . ELASTIC WAVES  
 . ELECTROMAGNETIC RADIATION  
 . LIGHT (VISIBLE RADIATION)  
 . OPTICAL PROPERTIES  
 $\infty$  RADIATION  
 $\infty$  RAYS  
 . WAVE PROPAGATION

**COHERENT SCATTERING**

GS SCATTERING  
 . **COHERENT SCATTERING**  
 RT  $\infty$  COHERENCE  
 . COMPTON EFFECT  
 . ELASTIC SCATTERING  
 . INCOHERENT SCATTERING  
 . INELASTIC SCATTERING  
 . NUCLEAR SCATTERING

**COHERENT SOURCES**

USE COHERENT RADIATION  
 . RADIATION SOURCES

**COHERENT TRANSMISSION**

USE COHERENT RADIATION

**COHESION**

RT AGGLOUTINATION  
 . BONDING  
 $\infty$  COHERENCE  
 . INTERNAL FRICTION



## COHOMOLOGY

### COHESION-(CONT.)

INTERNAL PRESSURE  
PLASTIC PROPERTIES  
SPREADING

### COHOMOLOGY

USE HOMOMLOGY

### ∞ COILS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT ELECTRIC COILS  
INDUCTORS  
MAGNET COILS  
MAGNETIC COILS  
SPRINGS (ELASTIC)  
TOROIDS  
WIRE

### COIN AIRCRAFT

UF LARA AIRCRAFT  
LIGHT ARMED RECONNAISSANCE  
AIRCRAFT  
GS **COIN AIRCRAFT**  
. F-5 AIRCRAFT  
. OV-10 AIRCRAFT  
RT ∞AIRCRAFT  
LIGHT INTRATHEATER TRANSPORT

### COINCIDENCE CIRCUITS

GS CIRCUITS  
. **COINCIDENCE CIRCUITS**  
RT GATES (CIRCUITS)  
RADIATION COUNTERS  
SYNCHRONISM

### COINING

GS FORMING TECHNIQUES  
. PRESSING (FORMING)  
. **COINING**  
METAL WORKING  
. **COINING**  
RT COLD PRESSING  
COLD WORKING  
DIES  
FORGING  
HOT ISOSTATIC PRESSING  
HOT PRESSING  
SIZING (SHAPING)  
STAMPING

### COKE

GS FUELS  
. **COKE**  
RT BITUMENS  
CARBON  
CHARCOAL  
COAL  
LIGNITE

### COKE AIRCRAFT

USE AN-24 AIRCRAFT

### COLCHICINE

GS BASES (CHEMICAL)  
. ALKALOIDS  
. **COLCHICINE**  
NITROGEN COMPOUNDS  
. ALKALOIDS  
. **COLCHICINE**  
ORGANIC COMPOUNDS  
. CYCLIC COMPOUNDS  
. CYCLIC HYDROCARBONS  
. **COLCHICINE**  
. HETEROCYCLIC COMPOUNDS  
. ALKALOIDS  
. **COLCHICINE**  
. HYDROCARBONS  
. CYCLIC HYDROCARBONS  
. **COLCHICINE**

### COLD ACCLIMATIZATION

GS ADAPTATION  
. ACCLIMATIZATION  
. **COLD ACCLIMATIZATION**  
RT HEAT ACCLIMATIZATION  
SUBZERO TEMPERATURE

### COLD BLOODED ANIMALS

USE POIKILOthermia

### COLD BOKKEVELD METEORITE

GS CELESTIAL BODIES

### COLD BOKKEVELD METEORITE-(CONT.)

. METEORITES  
. STONY METEORITES  
. CHONDRITES  
. CARBONACEOUS METEORITES  
. **COLD BOKKEVELD METEORITE**

### COLD CATHODE TUBES

GS ELECTRON TUBES  
. **COLD CATHODE TUBES**  
. PHOTOTUBES  
. PHOTOMULTIPLIER TUBES  
. FREQUENCY MODULATION  
PHOTOMULTIPLIERS  
RT CATHODES  
ELECTRODES  
GAS DISCHARGES  
∞GAS TUBES  
TUBE CATHODES  
TUNNEL CATHODES

### COLD CATHODES

GS ELECTRODES  
. CATHODES  
. TUBE CATHODES  
. **COLD CATHODES**  
RT GAS DISCHARGES  
TUNNEL CATHODES

### COLD DRAWING

RT DEEP DRAWING  
∞DRAWING  
METAL DRAWING

### COLD FLOW TESTS

SN (EXCLUDES MECHANICAL CREEP, TESTS)  
GS ENGINE TESTS  
. **COLD FLOW TESTS**  
GROUND TESTS  
. **COLD FLOW TESTS**  
RT CHECKOUT  
FEED SYSTEMS  
PLASTIC PROPERTIES  
PRELAUNCH TESTS  
PROPELLANT TESTS  
PROPULSION SYSTEM PERFORMANCE  
ROCKET ENGINE DESIGN  
STATIC TESTS  
∞TESTS

### COLD FORMING

USE COLD WORKING

### COLD FRONTS

GS FRONTS (METEOROLOGY)  
. **COLD FRONTS**  
RT AIR MASSES  
∞FRONTS  
METEOROLOGICAL PARAMETERS  
METEOROLOGY  
STORMS  
SYNOPTIC METEOROLOGY  
THUNDERSTORMS  
TORNADOES  
WARM FRONTS  
WEATHER FORECASTING

### COLD GAS

GS GASES  
. **COLD GAS**  
RT ATTITUDE CONTROL  
GAS JETS  
JET THRUST

### COLD HARDENING

SN (LIMITED TO HARDENING OF MATERIALS  
BY COOLING TO VERY LOW  
TEMPERATURES-- EXCLUDES  
PRECIPITATION HARDENING AT OR  
NEAR ROOM TEMPERATURE AND  
HARDENING VIA COLD WORKING)  
GS HARDENING (MATERIALS)  
. **COLD HARDENING**  
RT BRITTLINESS  
HARDNESS  
PHASE TRANSFORMATIONS  
PRECIPITATION HARDENING  
WORK HARDENING

### COLD NEUTRONS

GS PARTICLES  
. ELEMENTARY PARTICLES  
. FERMIONS  
. NEUTRONS

### COLD NEUTRONS-(CONT.)

. **COLD NEUTRONS**  
. NEUTRAL PARTICLES  
. NEUTRONS  
. **COLD NEUTRONS**  
RT BARYONS

### COLD PLASMAS

UF LOW TEMPERATURE PLASMAS  
GS PARTICLES  
. CHARGED PARTICLES  
. ENERGETIC PARTICLES  
. PLASMAS (PHYSICS)  
. **COLD PLASMAS**  
RT COLLISIONLESS PLASMAS  
RAREFIED PLASMAS

### COLD PRESSING

RT COINING  
COMPACTING  
HOT ISOSTATIC PRESSING  
HOT PRESSING  
METAL WORKING  
∞PRESSING  
PRESSING (FORMING)  
UPSETTING

### COLD ROLLING

GS FORMING TECHNIQUES  
. COLD WORKING  
. **COLD ROLLING**  
RT METAL WORKING

### COLD STRENGTH

GS MECHANICAL PROPERTIES  
. **COLD STRENGTH**  
RT HIGH TEMPERATURE TESTS  
LOW TEMPERATURE ENVIRONMENTS  
LOW TEMPERATURE TESTS  
∞STRENGTH

### COLD SURFACES

UF COLD WALLS  
RT CRYOGENIC FLUID STORAGE  
∞SURFACES

### COLD TOLERANCE

GS TOLERANCES (PHYSIOLOGY)  
. **COLD TOLERANCE**  
RT BODY TEMPERATURE  
EXPOSURE  
FROSTBITE  
HEAT TOLERANCE  
HOMEOSTASIS  
SUBZERO TEMPERATURE  
THERMOREGULATION  
VASOCONSTRICTION

### COLD TRAPS

GS TRAPS  
. **COLD TRAPS**  
RT CONDENSERS (LIQUEFIERS)  
CRYOGENIC TEMPERATURE  
CRYOGENICS  
CRYOTRAPPING  
FREEZING  
REFRIGERATING  
VACUUM APPARATUS  
VAPOR TRAPS

### COLD WALLS

USE COLD SURFACES  
WALLS

### COLD WATER

GS WATER  
. **COLD WATER**  
RT POTABLE WATER

### COLD WEATHER

GS WEATHER  
. **COLD WEATHER**  
RT FROST DAMAGE  
LOW TEMPERATURE ENVIRONMENTS  
PRESSURE ICE  
SNOW COVER  
SUBZERO TEMPERATURE  
WEATHERPROOFING  
WINTER

### COLD WEATHER TESTS

GS ENVIRONMENTAL TESTS  
. **COLD WEATHER TESTS**  
RT HIGH TEMPERATURE TESTS

## COLLOIDING

### COLD WEATHER TESTS-(CONT.)

LOW TEMPERATURE TESTS  
∞ TESTS

### COLD WELDING

GS WELDING  
    . COLD WELDING  
RT ADHESION  
    BONDING  
    HIGH VACUUM  
    VACUUM EFFECTS

### COLD WORKING

UF COLD FORMING  
GS FORMING TECHNIQUES  
    . COLD WORKING  
    . COLD ROLLING  
    . ELECTROHYDRAULIC FORMING  
    . EXPLOSIVE FORMING  
RT CLADDING  
    COINING  
    DEEP DRAWING  
    EXTRUDING  
    FORGING  
    ∞ JOINING  
    MAGNETIC FORMING  
    METAL DRAWING  
    METAL SPINNING  
    METAL WORKING  
    PEENING  
    ROLL FORMING  
    SHEARING  
    SHOT PEENING  
    STAMPING  
    STRETCH FORMING  
    STRETCHING  
    SWAGING  
    TEMPER (METALLURGY)  
    UPSETTING  
    WINDING

### COLEOPTERA

GS ANIMALS  
    . INVERTEBRATES  
    . ARTHROPODS  
    . INSECTS  
    . . . . . COLEOPTERA  
    . . . . . BEETLES  
    . . . . . TRIBOLIA  
    . . . . . BOLL WEEVILS

### COLIC

GS DISEASES  
    . COLIC  
RT GASTROINTESTINAL SYSTEM  
    INTESTINES

### COLLAGENS

GS ANATOMY  
    . MUSCULOSKELETAL SYSTEM  
    . . CONNECTIVE TISSUE  
    . . . COLLAGENS  
RT BONE MINERAL CONTENT  
    GELATINS  
    LEATHER  
    PROTEINS  
    SKIN (ANATOMY)

### COLLAPSE

RT BUCKLING  
    DEFORMATION  
    FAILURE  
    STRUCTURAL FAILURE

### COLLATING

RT BINDING  
    COMPILERS  
    CORRELATION  
    INSERTION  
    POSITION (LOCATION)  
    POSITIONING

### COLLECTION

RT ACCUMULATIONS  
    ACQUISITION  
    ASSEMBLING  
    INPUT  
    LUMPING  
    MUSEUMS  
    ∞ RECEIVING  
    SAMPLING  
    SELECTION  
    STOCKPILING

### COLLECTORS

USE ACCUMULATORS

### COLLEGES

USE UNIVERSITIES

### COLLIMATION

UF BEAMSHAPING  
RT ADJUSTING  
    ALIGNMENT  
    DIRECTIVITY  
    MICROBEAMS  
    ∞ ORIENTATION  
    POLARIZATION (WAVES)

### COLLIMATORS

UF AUTOCOLLIMATORS  
GS OPTICAL EQUIPMENT  
    . COLLIMATORS  
RT BEAM WAVEGUIDES  
    MIRRORS  
    OPTICAL MEASUREMENT

### COLLINEARITY

GS ANALYSIS (MATHEMATICS)  
    . CALCULUS  
    . . VECTOR ANALYSIS  
    . . . COLLINEARITY  
    . . . REAL VARIABLES  
    . . . VECTOR ANALYSIS  
    . . . COLLINEARITY  
    GEOMETRY  
    . VECTOR ANALYSIS  
    . . COLLINEARITY  
    LINEARITY  
    . COLLINEARITY

### COLLISION AVOIDANCE

UF COLLISION WARNING DEVICES  
GS AVOIDANCE  
    . COLLISION AVOIDANCE  
    . . BEACON COLLISION AVOIDANCE  
    SYSTEM  
RT AIR NAVIGATION  
    AIR TRAFFIC  
    AIR TRAFFIC CONTROL  
    AIRCRAFT APPROACH SPACING  
    AIRCRAFT GUIDANCE  
    AIRCRAFT SAFETY  
    AIRSPACE  
    APPROACH CONTROL  
    AUTOMATIC TRAFFIC ADVISORY AND  
    RESOLUTION  
    COLLISIONS  
    FLIGHT PATHS  
    FLIGHT RULES  
    FLIGHT SAFETY  
    MIDAIR COLLISIONS  
    NATIONAL AIRSPACE UTILIZATION  
    SYSTEM  
    RADAR  
    RADAR NAVIGATION  
    RADIO NAVIGATION  
    THREAT EVALUATION  
    TRAFFIC CONTROL  
    VISUAL FLIGHT  
    WARNING  
    WARNING SYSTEMS

### COLLISION PARAMETERS

GS RATES (PER TIME)  
    . COLLISION PARAMETERS  
    . . COLLISION RATES  
RT ∞ ABSORPTION  
    BEAM INTERACTIONS  
    ∞ CROSS SECTIONS  
    MEAN FREE PATH  
    NUCLEAR INTERACTIONS  
    PARTICLE INTERACTIONS  
    PARTICLE THEORY  
    SCATTERING

### COLLISION RATES

GS RATES (PER TIME)  
    . COLLISION PARAMETERS  
    . . COLLISION RATES

### COLLISION WARNING DEVICES

USE COLLISION AVOIDANCE  
    WARNING SYSTEMS

### COLLISIONAL PLASMAS

GS PARTICLES  
    . CHARGED PARTICLES

### COLLISIONAL PLASMAS-(CONT.)

. . . ENERGETIC PARTICLES  
. . . PLASMAS (PHYSICS)  
. . . . . COLLISIONAL PLASMAS  
. . . . . STRONGLY COUPLED PLASMAS  
RT ELECTRON RUNAWAY (PLASMA  
    PHYSICS)  
    HIGH TEMPERATURE PLASMAS  
    NUCLEAR FUSION  
    PLASMA CONDUCTIVITY  
    PLASMA DENSITY  
    PLASMA WAVES

### COLLISIONLESS PLASMAS

GS PARTICLES  
    . CHARGED PARTICLES  
    . . ENERGETIC PARTICLES  
    . . . PLASMAS (PHYSICS)  
    . . . . . COLLISIONLESS PLASMAS  
RT COLD PLASMAS  
    IONIC WAVES  
    KELVIN-HELMHOLTZ INSTABILITY  
    LOW DENSITY RESEARCH  
    RAREFIED PLASMAS

### COLLISIONS

GS COLLISIONS  
    . ATOMIC COLLISIONS  
    . COULOMB COLLISIONS  
    . INELASTIC COLLISIONS  
    . IONIC COLLISIONS  
    . METEORITE COLLISIONS  
    . MIDAIR COLLISIONS  
    . . BIRD-AIRCRAFT COLLISIONS  
    . MOLECULAR COLLISIONS  
    . PARTICLE COLLISIONS  
RT AIR BAG RESTRAINT DEVICES  
    AIR TRAFFIC CONTROL  
    AIRCRAFT ACCIDENTS  
    AIRCRAFT HAZARDS  
    AIRCRAFT SAFETY  
    COLLISION AVOIDANCE  
    CRASHES  
    FLIGHT HAZARDS  
    FLIGHT PATHS  
    GAS ATOMIZATION  
    PILOT ERROR  
    RECOILINGS  
    SCATTERING

### COLLOCATION

RT ASSEMBLIES  
    ∞ ASSEMBLY  
    CONGRUENCES  
    POSITION (LOCATION)  
    POSITIONING

### COLLOIDAL GENERATORS

RT ATOMIZING  
    DISPERSIONS  
    ∞ GENERATORS  
    PLASMA DIFFUSION  
    PLASMA GENERATORS  
    SPRAYERS  
    VAPORIZERS

### COLLOIDAL PROPELLANTS

UF CORDITE  
GS MIXTURES  
    . DISPERSIONS  
    . . COLLOIDS  
    . . . COLLOIDAL PROPELLANTS  
    PROPELLANTS  
    . . . COLLOIDAL PROPELLANTS  
RT GELLED PROPELLANTS  
    SLURRY PROPELLANTS  
    SOLID PROPELLANTS  
    SOLID SUSPENSIONS

### COLLOIDING

UF LYOPHILIZATION  
GS MIXING  
    . COLLOIDING  
RT AGITATION  
    ATOMIZING  
    COLLOIDS  
    COMMINUTION  
    COMPOUNDING  
    DISPERSING  
    FLOCCULATING  
    GELATION  
    HOMOGENIZING  
    PRECIPITATION (CHEMISTRY)  
    SUSPENDING (MIXING)

## COLLOIDS

### COLLOIDS

UF LYOPHILS  
GS MIXTURES  
DISPERSIONS  
COLLOIDS  
AEROSOLS  
FOG  
COLLOIDAL PROPELLANTS  
RT BROWNIAN MOVEMENTS  
CLAYS  
COLLOIDING  
ELECTRODIALYSIS  
ELECTROPHORESIS  
EMULSIONS  
FOAMS  
GELS  
HOMEOSTASIS  
NONNEWTONIAN FLUIDS  
PARTICLES  
PLASTISOLS  
SEPARATION

### COLOMBIA

GS NATIONS  
COLOMBIA  
RT LLANOS ORIENTALES (COLOMBIA)  
MAGDALENA-CAUCA VALLEY (COLOMBIA)  
SOUTH AMERICA

### COLONIES

RT BACTERIA  
BACTERIOLOGY

### COLOR

UF COLORATION  
GS ELECTROMAGNETIC PROPERTIES  
OPTICAL PROPERTIES  
COLOR  
IRIDESCENCE  
WATER COLOR  
RT BRIGHTNESS  
COLORIMETRY  
CONTRAST  
DARKNESS  
DICHROISM  
DISCOLORATION  
ELECTROCHROMISM  
FADING  
HUMAN FACTORS ENGINEERING  
INCANDESCENCE  
ISCHROMATICS  
LIGHT (VISIBLE RADIATION)  
PERCEPTION  
PHOTOTROPISM  
PHYSICAL PROPERTIES  
PREWHITENING  
SPECTRA  
SURFACE PROPERTIES  
SYMBOLS  
THERMOCHROMATIC MATERIALS  
VEGETATIVE INDEX  
VISIBILITY  
VISION  
WAVE DISPERSION

### COLOR (PARTICLE PHYSICS)

USE QUANTUM CHROMODYNAMICS

### COLOR CENTERS

UF F CENTERS  
RT CENTERS  
FRANCK-CONDON PRINCIPLE

### COLOR CODING

UF COLOR ENHANCEMENT  
RT CODES  
CODING

### COLOR ENHANCEMENT

USE COLOR CODING

### COLOR INFRARED PHOTOGRAPHY

GS IMAGERY  
INFRARED PHOTOGRAPHY  
COLOR INFRARED PHOTOGRAPHY  
PHOTOGRAPHY  
MULTISPECTRAL PHOTOGRAPHY  
INFRARED PHOTOGRAPHY  
COLOR INFRARED PHOTOGRAPHY  
RT COLOR PHOTOGRAPHY  
INFRARED IMAGERY

### COLOR PERCEPTION

USE COLOR VISION

### COLOR PHOTOGRAPHY

GS IMAGERY  
COLOR PHOTOGRAPHY  
PHOTOGRAPHY  
COLOR PHOTOGRAPHY  
RT AERIAL PHOTOGRAPHY  
BLACK AND WHITE PHOTOGRAPHY  
CINEMATOGRAPHY  
COLOR INFRARED PHOTOGRAPHY  
ORTHOPHOTOGRAPHY  
PHOTOCHROMISM  
PHOTOMAPPING  
SHADOWGRAPH PHOTOGRAPHY  
STEREOPHOTOGRAPHY  
ULTRAVIOLET PHOTOGRAPHY  
UNDERWATER PHOTOGRAPHY

### COLOR TELEVISION

GS TELECOMMUNICATION  
COLOR TELEVISION  
TELEVISION SYSTEMS  
COLOR TELEVISION  
RT CLOSED CIRCUIT TELEVISION  
COMMUNICATING  
COMMUNICATION EQUIPMENT  
EDUCATIONAL TELEVISION  
SATELLITE TELEVISION  
SPACECRAFT TELEVISION  
STEREOTELEVISION  
TELEVISION RECEPTION  
TELEVISION TRANSMISSION

### COLOR VISION

UF COLOR PERCEPTION  
GS VISION  
COLOR VISION  
RT EYE (ANATOMY)  
YOUNG-HELMHOLTZ THEORY

### COLOR-COLOR DIAGRAM

GS DIAGRAMS  
COLOR-COLOR DIAGRAM  
RT COLOR-MAGNITUDE DIAGRAM  
HERTZSPRUNG-RUSSELL DIAGRAM  
STELLAR COLOR  
STELLAR SPECTRA  
STELLAR SPECTROPHOTOMETRY  
UBV SPECTRA

### COLOR-MAGNITUDE DIAGRAM

UF C-M DIAGRAM  
GS DIAGRAMS  
COLOR-MAGNITUDE DIAGRAM  
RT ASYMPTOTIC GIANT BRANCH STARS  
COLOR-COLOR DIAGRAM  
GLOBULAR CLUSTERS  
HERTZSPRUNG-RUSSELL DIAGRAM  
HORIZONTAL BRANCH STARS  
MAIN SEQUENCE STARS  
STAR CLUSTERS  
STELLAR COLOR  
STELLAR EVOLUTION  
STELLAR MAGNITUDE

### COLORADO

GS NATIONS  
UNITED STATES  
COLORADO  
RT COLORADO PLATEAU (US)  
COLORADO RIVER (NORTH AMERICA)  
MANITOU (CO)  
PIKE'S PEAK (CO)  
SAN JUAN MOUNTAINS (CO)

### COLORADO PLATEAU (US)

GS LAND  
COLORADO PLATEAU (US)  
LANDFORMS  
TERRACES (LANDFORMS)  
PLATEAUS  
COLORADO PLATEAU (US)  
RT ARIZONA  
COLORADO  
HIGHLANDS  
NEW MEXICO  
UTAH

### COLORADO RIVER (NORTH AMERICA)

GS RIVERS  
COLORADO RIVER (NORTH AMERICA)  
RT ARIZONA  
COLORADO  
MEXICO  
UTAH

### COLORATION

USE COLOR

### COLORIMETRY

GS OPTICAL MEASUREMENT  
COLORIMETRY  
RT CHEMICAL ANALYSIS  
CHROMATOGRAPHY  
COASTAL ZONE COLOR SCANNER  
COLOR  
ELECTROPHOTOMETRY  
LIQUID CHROMATOGRAPHY  
OCEAN COLOR SCANNER  
OPTICAL MEASURING INSTRUMENTS  
PHOTOMETRY  
SPECTROPHOTOMETRY  
SPECTROSCOPY  
THERMOCHROMATIC MATERIALS

### COLS

USE GAPS (GEOLOGY)

### COLUMBIA (ORBITER)

UF SPACE SHUTTLE ORBITER 102  
GS MANNED SPACECRAFT  
SPACE SHUTTLE ORBITERS  
COLUMBIA (ORBITER)  
REENTRY VEHICLES  
RECOVERABLE SPACECRAFT  
REUSABLE SPACECRAFT  
SPACE SHUTTLE ORBITERS  
COLUMBIA (ORBITER)  
RT MANNED SPACE FLIGHT  
SPACE SHUTTLE MISSION 31-A  
SPACE SHUTTLE MISSION 41-A  
SPACE SHUTTLE MISSION 61-A  
SPACE SHUTTLE MISSION 61-C  
SPACE SHUTTLE MISSION 61-E  
SPACECRAFT

### COLUMBIA RIVER BASIN (ID-OR-WA)

GS LANDFORMS  
STRUCTURAL BASINS  
RIVER BASINS  
COLUMBIA RIVER BASIN  
(ID-OR-WA)  
RT IDAHO  
OREGON  
RIVERS  
WASHINGTON

### COLUMBIUM

USE NIOBIUM

### COLUMBUS SPACE STATION

GS ARTIFICIAL SATELLITES  
SPACE STATIONS  
COLUMBUS SPACE STATION  
ESA SPACECRAFT  
COLUMBUS SPACE STATION  
MANNED SPACECRAFT  
COLUMBUS SPACE STATION  
SPACE PLATFORMS  
COLUMBUS SPACE STATION  
STATIONS  
SPACE STATIONS  
COLUMBUS SPACE STATION  
RT AEPS  
BIOASTRONAUTICS  
FERRY SPACECRAFT  
INTRAORBIT TRANSFER VEHICLES  
LARGE SPACE STRUCTURES  
MANNED ORBITAL LABORATORIES  
MILITARY SPACECRAFT  
ORBITAL SERVICING  
RENDEZVOUS SPACECRAFT  
SHAPE CONTROL  
SPACE SHUTTLES  
SPACE STATION POLAR PLATFORMS

### COLUMNS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT COLUMNS (PROCESS ENGINEERING)  
COLUMNS (SUPPORTS)

### COLUMNS (PROCESS ENGINEERING)

RT ABSORBERS (EQUIPMENT)  
CHEMICAL REACTORS  
COLUMNS  
CONCENTRATORS  
CONDENSERS (LIQUEFIERS)  
CONTACTORS  
CONTRACTORS

## COMBUSTION STABILITY

### COLUMNS (PROCESS ENGINEERING)-(CONT.)

DEHYDRATION  
DEHYDROGENATION  
DISTILLATION EQUIPMENT  
DRYING APPARATUS  
EXTRACTION  
SCRUBBERS  
SEPARATORS  
VAPORIZERS

### COLUMNS (SUPPORTS)

GS STRUCTURAL MEMBERS  
  . COLUMNS (SUPPORTS)  
  . . TAPERED COLUMNS  
RT BEAMS (SUPPORTS)  
  ∞ COLUMNS  
  PYLON MOUNTING  
  PYLONS  
  STUTS  
  STUDS (STRUCTURAL MEMBERS)  
  TIMOSHENKO BEAMS  
  TOWERS

### COMA

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*

RT ABERRATION  
BLACKOUT (PHYSIOLOGY)  
BLACKOUT PREVENTION  
COMET HEADS  
COMET NUCLEI  
COMET TAILS  
COMETARY ATMOSPHERES  
COMETS  
GRIGG-SKJELLERUP COMET  
KOHOUTEK COMET  
SCREEN EFFECT  
TEMPEL 2 COMET  
UNCONSCIOUSNESS

### COMBAT

GS MILITARY OPERATIONS  
  . COMBAT  
  WARFARE  
RT AIRCRAFT SURVIVABILITY  
B-1 AIRCRAFT  
ELECTRONIC WARFARE

### COMBINATION

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*

RT ADMIXTURES  
CONSOLIDATION  
MIXTURES  
PERMUTATIONS

### COMBINATIONS (MATHEMATICS)

GS ANALYSIS (MATHEMATICS)  
  . COMBINATORIAL ANALYSIS  
  . . COMBINATIONS (MATHEMATICS)  
RT PARTITIONS (MATHEMATICS)  
PERMUTATIONS

### COMBINATORIAL ANALYSIS

GS ANALYSIS (MATHEMATICS)  
  . COMBINATORIAL ANALYSIS  
  . . BINOMIAL COEFFICIENTS  
  . . COMBINATIONS (MATHEMATICS)  
  . . FACTORIALS  
  . . PARTITIONS (MATHEMATICS)  
  . . PERMUTATIONS  
RT ∞ ANALYZING  
  ∞ APPLICATIONS OF MATHEMATICS  
  GRAPH THEORY  
  INFORMATION THEORY  
  NUMBER THEORY  
  PROBABILITY THEORY  
  SET THEORY

### COMBINED CYCLE POWER GENERATION

RT ELECTRIC GENERATORS  
ELECTRIC POWER PLANTS  
ENERGY TECHNOLOGY  
GAS TURBINES  
STEAM TURBINES

### COMBINED STRESS

GS STRESSES  
  . COMBINED STRESS  
RT FATIGUE LIFE  
STRESS ANALYSIS  
STRESS CONCENTRATION

### COMBINED STRESS-(CONT.)

STRESS INTENSITY FACTORS

### COMBUSTIBILITY

USE FLAMMABILITY

### COMBUSTIBLE FLOW

GS FLUID FLOW  
  . COMBUSTIBLE FLOW  
RT BOUNDARY LAYER COMBUSTION  
COMBUSTION PHYSICS  
COMBUSTION PRODUCTS  
DETONATION WAVES  
DUMP COMBUSTORS  
FLAME PROPAGATION  
FUEL FLOW  
TURBULENT FLOW

### COMBUSTION

UF BURNING  
BURNING PROCESS  
GS COMBUSTION  
  . AFTERBURNING  
  . BOUNDARY LAYER COMBUSTION  
  . DEFLAGRATION  
  . EROSION BURNING  
  . FUEL COMBUSTION  
  . . NUCLEAR FUEL BURNUP  
  . HYDROCARBON COMBUSTION  
  . HYPERSONIC COMBUSTION  
  . METAL COMBUSTION  
  . PROPELLANT COMBUSTION  
  . . SOLID PROPELLANT COMBUSTION  
  . . . SOLID PROPELLANT IGNITION  
  . SPONTANEOUS COMBUSTION  
  . SUPERSONIC COMBUSTION  
RT BACKFIRE  
BURNING RATE  
BURNING TIME  
BURNOUT  
CHARRING  
CHEMICAL EXPLOSIONS  
COMBUSTION CHAMBERS  
COMBUSTION CHEMISTRY  
COMBUSTION CONTROL  
COMBUSTION EFFICIENCY  
COMBUSTION PHYSICS  
COMBUSTION PRODUCTS  
COMBUSTION STABILITY  
COMBUSTION TEMPERATURE  
COMBUSTION VIBRATION  
DETONATION  
DIFFUSION FLAMES  
EXOTHERMIC REACTIONS  
EXPLOSIONS  
EXTINGUISHING  
FIRE DAMAGE  
FIREBREAKS  
FIRES  
FLAME PROPAGATION  
FLAMEOUT  
FLAMES  
FLAMMABILITY  
FLASHBACK  
FOREST FIRES  
HEAT BALANCE  
HEAT GENERATION  
IGNITION  
IGNITION LIMITS  
INCENDIARY AMMUNITION  
INTERNAL COMBUSTION ENGINES  
OXIDATION

∞ PHYSICS  
  QUENCHING (COOLING)  
  SPARK IGNITION  
  SUPERSONIC COMBUSTION RAMJET  
  ENGINES

### COMBUSTION CHAMBERS

UF COMBUSTORS  
GS COMBUSTION CHAMBERS  
  . DUMP COMBUSTORS  
RT BURNERS  
  ∞ CHAMBERS  
  COMBUSTION  
  ENGINE PARTS  
  ENGINES  
  FLAME HOLDERS  
  FLAMEOUT  
  FURNACES  
  INTERNAL COMBUSTION ENGINES  
  JET ENGINES  
  PISTONS  
  REFRACTORIES  
  SPARK PLUGS

### COMBUSTION CHAMBERS-(CONT.)

THRUST CHAMBERS

### COMBUSTION CHEMISTRY

GS THERMOCHEMISTRY  
  . COMBUSTION CHEMISTRY  
RT CHEMICAL ENGINEERING  
CHEMICAL REACTIONS  
  ∞ CHEMISTRY  
  COMBUSTION  
  COMBUSTION PHYSICS  
  COMBUSTION PRODUCTS  
  COMBUSTION STABILITY  
  EXOTHERMIC REACTIONS  
  FLAME TEMPERATURE  
  OXIDATION  
  REACTION KINETICS

### COMBUSTION CONTROL

RT AUTOMATIC CONTROL  
BURNING RATE  
COMBUSTION  
  ∞ CONTROL  
  ENGINE CONTROL  
  FUEL CONTROL  
  ∞ REACTION CONTROL  
  TEMPERATURE CONTROL

### COMBUSTION EFFICIENCY

GS EFFICIENCY  
  . COMBUSTION EFFICIENCY  
RT ACEE PROGRAM  
BURNING RATE  
BURNING TIME  
DUMP COMBUSTORS  
EXHAUST GASES  
FUEL COMBUSTION  
FUEL CONSUMPTION  
FUEL-AIR RATIO  
POWER EFFICIENCY  
PROPELLANT COMBUSTION  
PROPULSION SYSTEM PERFORMANCE  
PROPULSIVE EFFICIENCY  
THERMODYNAMIC EFFICIENCY

### COMBUSTION HEAT

USE HEAT OF COMBUSTION

### COMBUSTION INSTABILITY

USE COMBUSTION STABILITY

### COMBUSTION PHYSICS

GS THERMODYNAMICS  
  . COMBUSTION PHYSICS  
RT AEROTHERMODYNAMICS  
COMBUSTIBLE FLOW  
COMBUSTION CHEMISTRY  
COMBUSTION STABILITY  
DANKOHLER NUMBER  
FLAME PROPAGATION  
HEAT OF COMBUSTION  
IGNITION  
  ∞ PHYSICS  
  PLASMAS (PHYSICS)  
  ∞ SCIENCE  
  THERMOCHEMISTRY

### COMBUSTION PRODUCTS

RT AIR POLLUTION  
ASHES  
COMBUSTIBLE FLOW  
COMBUSTION CHEMISTRY  
DILUENTS  
DUST  
EXHAUST GASES  
FIBER RELEASE  
FLUE GASES  
FLY ASH  
HIGH TEMPERATURE GASES  
ODORS  
PARTICULATES  
POLLUTION TRANSPORT  
PRODUCTS  
REACTION PRODUCTS  
ROCKET EXHAUST  
SMOG  
SMOKE  
SOOT  
VAPORS  
WASTES

### COMBUSTION STABILITY

UF ACOUSTIC COMBUSTION  
CHUGGING  
COMBUSTION INSTABILITY

## COMBUSTION TEMPERATURE

### COMBUSTION STABILITY-(CONT.)

GS DYNAMIC CHARACTERISTICS  
  . DYNAMIC STABILITY  
  . . . **COMBUSTION STABILITY**  
  . . . FLAME STABILITY  
  STABILITY  
  . DYNAMIC STABILITY  
  . . . **COMBUSTION STABILITY**  
  . . . FLAME STABILITY  
RT AXIAL MODES  
  BURNING RATE  
  COMBUSTION CHEMISTRY  
  FUEL COMBUSTION  
  MOTION STABILITY  
  PRESSURE OSCILLATIONS  
  PROPELLANT COMBUSTION  
  SOLID PROPELLANT COMBUSTION  
  THERMAL INSTABILITY  
  VELOCITY COUPLING

### COMBUSTION TEMPERATURE

GS TEMPERATURE  
  . **COMBUSTION TEMPERATURE**  
RT EROSION BURNING  
  FLAME TEMPERATURE  
  FLASH POINT  
  IGNITION TEMPERATURE  
  OPERATING TEMPERATURE  
  SPONTANEOUS COMBUSTION

### COMBUSTION VIBRATION

GS VIBRATION  
  . **COMBUSTION VIBRATION**  
RT COMBUSTION  
  ELASTIC WAVES  
  STRUCTURAL STABILITY

### COMBUSTION WAVES

USE FLAME PROPAGATION

### COMBUSTION WIND TUNNELS

GS TEST FACILITIES  
  WIND TUNNELS  
  . . . **COMBUSTION WIND TUNNELS**  
RT HYPERSONIC WIND TUNNELS  
  HYPERVELOCITY WIND TUNNELS

### COMBUSTORS

USE COMBUSTION CHAMBERS

### COMET HEADS

GS CELESTIAL BODIES  
  . COMETS  
  . . . **COMET HEADS**  
RT ∞ COMA  
  COMETARY ATMOSPHERES  
  SOLAR SYSTEM

### COMET NUCLEI

GS CELESTIAL BODIES  
  . COMETS  
  . . . **COMET NUCLEI**  
RT ∞ COMA  
  COMETARY ATMOSPHERES  
  OORT CLOUD  
  SOLAR SYSTEM

### COMET TAILS

GS CELESTIAL BODIES  
  . COMETS  
  . . . **COMET TAILS**  
RT ∞ COMA  
  COMETARY ATMOSPHERES  
  GRIGG-SKJELLERUP COMET  
  RADIATION PRESSURE  
  SOLAR SYSTEM  
  SOLAR WIND

### COMET 4 AIRCRAFT

UF DE HAVILLAND DH 106 AIRCRAFT  
  DH 106 AIRCRAFT  
GS COMMERCIAL AIRCRAFT  
  . **COMET 4 AIRCRAFT**  
  DE HAVILLAND AIRCRAFT  
  . **COMET 4 AIRCRAFT**  
  HAWKER SIDDELEY AIRCRAFT  
  . **COMET 4 AIRCRAFT**  
  JET AIRCRAFT  
  . **COMET 4 AIRCRAFT**  
  MONOPLANES  
  . **COMET 4 AIRCRAFT**  
  PASSENGER AIRCRAFT  
  . **COMET 4 AIRCRAFT**  
RT ∞ AIRCRAFT

### COMETARY ATMOSPHERES

RT ASTRONOMICAL PHOTOMETRY  
  ∞ COMA  
  COMET HEADS  
  COMET NUCLEI  
  COMET TAILS  
  COMETS  
  IONOPAUSE

### COMETS

GS CELESTIAL BODIES  
  . **COMETS**  
  . . AREND-ROLAND COMET  
  . . COMET HEADS  
  . . COMET NUCLEI  
  . . COMET TAILS  
  . ENCKE COMET  
  . GIACOBINI-ZINNER COMET  
  . GRIGG-SKJELLERUP COMET  
  . HALLEY'S COMET  
  . HUMASON COMET  
  . IRAS-ARAKI-ALCOCK COMET  
  . KOHOUTEK COMET  
  . MOREHOUSE COMET  
  . MRKOS COMET  
  . SCHWASSMANN-WACHMANN COMET  
  . TEMPEL 2 COMET  
  . WEST COMET  
RT BESSEL-BREDICHIN THEORY  
  ∞ COMA  
  COMETARY ATMOSPHERES  
  METEOROID SHOWERS  
  METEORIDS  
  OORT CLOUD  
  SOLAR SYSTEM

### COMFORT

RT ACOUSTICS  
  AIR CONDITIONING  
  EFFICIENCY  
  ENVIRONMENTAL ENGINEERING  
  GLARE  
  HUMAN FACTORS ENGINEERING  
  HUMIDITY  
  ILLUMINATING  
  ∞ PERFORMANCE  
  PHYSIOLOGICAL EFFECTS  
  PSYCHOLOGICAL EFFECTS  
  REWARD (PSYCHOLOGY)  
  RIDING QUALITY  
  SEATS  
  TEMPERATURE  
  VENTILATION

### COMMAND AND CONTROL

UF COMMAND-CONTROL  
RT ∞ AUTOMATION  
  AUTONOMY  
  AWACS AIRCRAFT  
  ∞ COMMANDS  
  ∞ CONTROL  
  DECISION MAKING  
  E-2 AIRCRAFT  
  E-3A AIRCRAFT  
  E-4A AIRCRAFT  
  GROUND SUPPORT EQUIPMENT  
  LOGISTICS  
  MANAGEMENT  
  SURVEILLANCE  
  TARGETS

### COMMAND GUIDANCE

UF COMMAND SYSTEMS  
GS GUIDANCE (MOTION)  
  . **COMMAND GUIDANCE**  
RT ∞ COMMANDS  
  GROUND SUPPORT EQUIPMENT  
  INJECTION GUIDANCE  
  MIDCOURSE GUIDANCE  
  RENDEZVOUS GUIDANCE  
  RENDEZVOUS SPACECRAFT  
  SPACECRAFT GUIDANCE  
  TERMINAL GUIDANCE

### COMMAND LANGUAGES

GS LANGUAGES  
  . **COMMAND LANGUAGES**  
  . . QUERY LANGUAGES  
RT INFORMATION RETRIEVAL  
  MAN-COMPUTER INTERFACE

### COMMAND MODULES

GS COMPARTMENTS  
  . **COMMAND MODULES**  
  MODULES

### COMMAND MODULES-(CONT.)

  . SPACECRAFT MODULES  
  . . **COMMAND MODULES**  
  SPACECRAFT COMPONENTS  
  . SPACECRAFT MODULES  
  . . **COMMAND MODULES**  
RT APOLLO SPACECRAFT  
  ∞ COMMANDS  
  MARQUARDT R4D ENGINE  
  SERVICE MODULES  
  SPACECRAFT DOCKING MODULES  
  SPACECREW TRANSFER

### COMMAND SERVICE MODULES

UF CSM  
GS MODULES  
  . SPACECRAFT MODULES  
  . . **COMMAND SERVICE MODULES**  
  SPACECRAFT COMPONENTS  
  . SPACECRAFT MODULES  
  . . **COMMAND SERVICE MODULES**  
RT APOLLO PROJECT  
  LUNAR ORBITS  
  MANNED SPACECRAFT  
  SKYLAB 1  
  SKYLAB 2  
  SKYLAB 3  
  SKYLAB 4  
  SPACECRAFT DOCKING MODULES

### COMMAND SYSTEMS

USE COMMAND GUIDANCE

### COMMAND-CONTROL

USE COMMAND AND CONTROL

### COMMAND AIRCRAFT

USE C-46 AIRCRAFT

### ∞ COMMANDS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED-CONSULT THE TERMS  
LISTED BELOW)*  
RT AUTONOMY  
  COMMAND AND CONTROL  
  COMMAND GUIDANCE  
  COMMAND MODULES  
  DECISIONS

### COMMERCE

RT COMMERCIAL SPACECRAFT  
  CONSUMPTION  
  COSTS  
  ECONOMIC DEVELOPMENT  
  FINANCE  
  GROSS NATIONAL PRODUCT  
  INDUSTRIAL AREAS  
  INDUSTRIES  
  ∞ INVESTMENT  
  LIABILITIES  
  LOSSES  
  MANUFACTURING  
  MARKET RESEARCH  
  MARKETING  
  PERT  
  PRODUCT DEVELOPMENT  
  PROJECT MANAGEMENT  
  RISK  
  SUPPLYING

### COMMERCE LAB

RT GOVERNMENT/INDUSTRY RELATIONS  
  ∞ MICROGRAVITY APPLICATIONS  
  MISSION PLANNING  
  SPACE COMMERCIALIZATION  
  SPACE SHUTTLE PAYLOADS  
  USER REQUIREMENTS

### COMMERCIAL AIRCRAFT

UF COMMERCIAL AVIATION  
GS **COMMERCIAL AIRCRAFT**  
  . BOEING 707 AIRCRAFT  
  . BOEING 720 AIRCRAFT  
  . BOEING 727 AIRCRAFT  
  . BOEING 733 AIRCRAFT  
  . BOEING 737 AIRCRAFT  
  . BOEING 747 AIRCRAFT  
  . BOEING 757 AIRCRAFT  
  . BOEING 767 AIRCRAFT  
  . COMET 4 AIRCRAFT  
  . CV-340 AIRCRAFT  
  . CV-440 AIRCRAFT  
  . CV-880 AIRCRAFT  
  . CV-990 AIRCRAFT  
  . DC 3 AIRCRAFT

## COMMUNICATION SATELLITES

### COMMERCIAL AIRCRAFT-(CONT.)

. DC 7 AIRCRAFT  
 . DC 8 AIRCRAFT  
 . DC 9 AIRCRAFT  
 . DC 10 AIRCRAFT  
 . DH 121 AIRCRAFT  
 . ELECTRA AIRCRAFT  
 . EUROPEAN AIRBUS  
 . A-300 AIRCRAFT  
 . A-310 AIRCRAFT  
 . A-320 AIRCRAFT  
 . F-28 TRANSPORT AIRCRAFT  
 . IL-62 AIRCRAFT  
 . JETSTREAM AIRCRAFT  
 . L-1011 AIRCRAFT  
 . LEAR JET AIRCRAFT  
 . LIGHT TRANSPORT AIRCRAFT  
 . P-160 AIRCRAFT  
 . SE-210 AIRCRAFT  
 . SUPERSONIC COMMERCIAL AIR  
 TRANSPORT  
 . BOEING 2707 AIRCRAFT  
 . TU-144 AIRCRAFT  
 . TU-104 AIRCRAFT  
 . TU-124 AIRCRAFT  
 . TU-134 AIRCRAFT  
 . TU-154 AIRCRAFT  
 . VC-10 AIRCRAFT  
 RT ∞ AIRCRAFT  
 AIRLINE OPERATIONS  
 CARGO AIRCRAFT  
 CIVIL AVIATION  
 GENERAL AVIATION AIRCRAFT  
 GROUND EFFECT MACHINES  
 JET AIRCRAFT  
 PASSENGER AIRCRAFT  
 ROTARY WING AIRCRAFT  
 SUPERSONIC TRANSPORTS  
 TRANSPORT AIRCRAFT  
 UTILITY AIRCRAFT  
 V/STOL AIRCRAFT  
 WATER TAKEOFF AND LANDING  
 AIRCRAFT

### COMMERCIAL AVIATION

USE CIVIL AVIATION  
 COMMERCIAL AIRCRAFT

### COMMERCIAL ENERGY

RT ALLOCATIONS  
 DISTRIBUTING  
 DOMESTIC ENERGY  
 ECONOMIC FACTORS  
 ∞ ENERGY  
 ENERGY CONSUMPTION  
 ENERGY CONVERSION  
 INDUSTRIAL ENERGY  
 TRANSPORTATION ENERGY

### COMMERCIAL SPACECRAFT

GS COMMERCIAL SPACECRAFT  
 . RCA SATCOM SATELLITES  
 RT AEROSPACE INDUSTRY  
 AEROSPACE VEHICLES  
 COMMERCE  
 COMMUNICATION SATELLITES  
 INDUSTRIES  
 SPACE COMMERCIALIZATION  
 SPACE INDUSTRIALIZATION  
 SPACE MANUFACTURING  
 SPACE PROCESSING

### COMMUNITION

UF ATTRITION (MATERIALS)  
 GS COMMUNITION  
 . CRUSHING  
 . GRINDING (COMMUNITION)  
 . SHREDDING  
 RT ATOMIZING  
 BENEFICIATION  
 CHIPPING  
 COLLOIDING  
 CRUSHERS  
 CUTTING  
 DISINTEGRATION  
 FLAKING  
 FRAGMENTATION  
 GAS ATOMIZATION  
 GRINDING MILLS  
 METAL POWDER  
 ∞ MILLING  
 PARTICLE PRODUCTION  
 POWDER METALLURGY  
 ∞ REDUCTION

### COMMITTEE ON SPACE RESEARCH

UF COSPAR (COMMITTEE)  
 RT ∞ AEROSPACE SCIENCES  
 CONFERENCES  
 EUROPEAN SPACE PROGRAMS  
 INTERNATIONAL COOPERATION  
 NASA PROGRAMS  
 PROGRAMS

### COMMODITIES

RT GOVERNMENT PROCUREMENT  
 MANUFACTURING  
 MARKET RESEARCH  
 PROCUREMENT MANAGEMENT  
 PRODUCTS

### COMMON BUSINESS ORIENTED LANGUAGE

USE COBOL

### COMMONALITY

GS STANDARDIZATION  
 . COMMONALITY  
 RT AIRCRAFT EQUIPMENT  
 COST REDUCTION  
 EFFICIENCY  
 EQUIPMENT SPECIFICATIONS  
 GROUND SUPPORT SYSTEMS  
 SPACECRAFT COMPONENTS  
 SPECIFICATIONS

### COMMUNICATING

GS COMMUNICATING  
 . AIRCRAFT COMMUNICATION  
 . ELECTROSTATIC  
 COMMUNICATION  
 . GROUND-AIR-GROUND  
 COMMUNICATION  
 . INFORMATION DISSEMINATION  
 . MESSAGES  
 . SELECTIVE DISSEMINATION OF  
 INFORMATION  
 . INTERSTELLAR COMMUNICATION  
 . LIP READING  
 . POINT TO POINT COMMUNICATION  
 . NASCOM NETWORK  
 . UNDERGROUND COMMUNICATION  
 . VERBAL COMMUNICATION  
 . CONVERSATION  
 RT COLOR TELEVISION  
 CROSSTALK  
 EDUCATION  
 FREQUENCY ASSIGNMENT  
 INFORMATION  
 INFORMATION FLOW  
 INFORMATION MANAGEMENT  
 MESSAGE PROCESSING  
 MORSE CODE  
 STEREOTELEVISION  
 SYSTEMS ENGINEERING  
 TDR SATELLITES  
 TECHNOLOGY TRANSFER  
 TELECOMMUNICATION

### COMMUNICATION

GS TELECOMMUNICATION  
 . COMMUNICATION  
 . FACSIMILE COMMUNICATION  
 . LINE OF SIGHT COMMUNICATION  
 . OPTICAL COMMUNICATION  
 . SHIP TO SHORE COMMUNICATION  
 . UNDERWATER COMMUNICATION  
 RT INFORMATION  
 INFORMATION FLOW  
 INFORMATION MANAGEMENT  
 MARISAT SATELLITES  
 MESSAGE PROCESSING  
 SPREAD SPECTRUM TRANSMISSION  
 TECHNOLOGY TRANSFER

### COMMUNICATION CABLES

GS TRANSMISSION LINES  
 . COMMUNICATION CABLES  
 . COAXIAL CABLES  
 . WAVEGUIDES  
 . BEAM WAVEGUIDES  
 . CIRCULAR WAVEGUIDES  
 . OPTICAL WAVEGUIDES  
 . OPTICAL FIBERS  
 . PLASMA GUIDES  
 . RECTANGULAR WAVEGUIDES  
 RT ∞ CABLES  
 ELECTRIC WIRE  
 SUBMARINE CABLES

### COMMUNICATION EQUIPMENT

GS COMMUNICATION EQUIPMENT  
 . ADVANCED VIDICON CAMERA SYSTEM  
 (AVCS)  
 . CLOSED CIRCUIT TELEVISION  
 . DIPLEXERS  
 . INTERPHONES  
 . PLAT SYSTEM  
 . RADIO RECEIVERS  
 . SUPERHETERODYNE RECEIVERS  
 . TRANSMITTER RECEIVERS  
 . WHISTLER RECORDERS  
 . SPACECRAFT TELEVISION  
 . DIGITAL SPACECRAFT TELEVISION  
 . RANGER BLOCK 3 TELEVISION  
 SYSTEM  
 . SATELLITE TELEVISION  
 . STEREOTELEVISION  
 RT ANTENNA COMPONENTS  
 BIOTELEMETRY  
 COLOR TELEVISION  
 EARTH TERMINALS  
 EDUCATIONAL TELEVISION  
 ∞ EQUIPMENT  
 FURABLE ANTENNAS  
 INERTIALLESS STEERABLE ANTENNAS  
 INFORMATION ADAPTIVE SYSTEM  
 LOGARITHMIC RECEIVERS  
 MATCHED FILTERS  
 ORBITING DIPOLES  
 P.A.C.M. TELEMETRY  
 PULSE FREQUENCY MODULATION  
 PULSE FREQUENCY MODULATION  
 TELEMETRY  
 RADIO COMMUNICATION  
 RADIO EQUIPMENT  
 RADIO RELAY SYSTEMS  
 RADIO TELEGRAPHY  
 RADIO TELEMETRY  
 SPHERICAL ANTENNAS  
 TELEMETRY  
 TELEPHONY  
 TELEVISION SYSTEMS  
 UNIFIED S BAND

### COMMUNICATION NETWORKS

GS COMMUNICATION NETWORKS  
 . ALOHA SYSTEM  
 . LOCAL AREA NETWORKS  
 . NASCOM NETWORK  
 RT ACCESS CONTROL  
 BROADCASTING  
 DATA LINKS  
 DEFENSE COMMUNICATIONS SYSTEM  
 (DCS)  
 DEMAND ASSIGNMENT MULTIPLE  
 ACCESS  
 ELECTRONIC MAIL  
 FREQUENCY DIVISION MULTIPLEXING  
 NETWORK CONTROL  
 PACKET SWITCHING  
 PACKETS (COMMUNICATION)  
 PROTOCOL (COMPUTERS)  
 PULSE COMMUNICATION  
 RADIO COMMUNICATION  
 SATELLITE NETWORKS  
 TELECOMMUNICATION

### COMMUNICATION SATELLITES

GS ARTIFICIAL SATELLITES  
 . COMMUNICATION SATELLITES  
 . ACTS  
 . AERONAUTICAL SATELLITES  
 . AEROSAT SATELLITES  
 . ARCOMSAT  
 . COMMUNICATIONS TECHNOLOGY  
 SATELLITE  
 . COMSTAR C  
 . NATO 3B SATELLITE  
 . COMSTAR SATELLITES  
 . DIRECT BROADCAST SATELLITES  
 . EUROPEAN COMMUNICATIONS  
 SATELLITE  
 . INTELSAT SATELLITES  
 . L-SAT  
 . LOW FREQUENCY  
 TRANSIONOSPHERIC SATELLITES  
 . MARECS MARITIME SATELLITES  
 . MAROTS (ESA)  
 . MOLNIYA SATELLITES  
 . PALAPA SATELLITES  
 . PALAPA 2 SATELLITE  
 . RADIUGA SATELLITE  
 . RCA SATCOM SATELLITES  
 . RELAY SATELLITES

## COMMUNICATION SYSTEMS

### COMMUNICATION SATELLITES-(CONT.)

... RELAY 1 SATELLITE  
... RELAY 2 SATELLITE  
... SYMPHONIE SATELLITES  
... SYNCOM SATELLITES  
... EARLY BIRD SATELLITES  
... SYNCOM 1 SATELLITE  
... SYNCOM 2 SATELLITE  
... SYNCOM 3 SATELLITE  
... SYNCOM 4 SATELLITE  
... WESTAR SATELLITES  
RT ADVENT PROJECT  
ATS  
CARRIER TO NOISE RATIOS  
COMMERCIAL SPACECRAFT  
COMSAT PROGRAM  
DEFENSE COMMUNICATIONS SATELLITE  
SYSTEM  
DEMAND ASSIGNMENT MULTIPLE  
ACCESS  
DOMESTIC SATELLITE COMMUNICATIONS  
SYSTEMS  
DOWNLINKING  
EARTH TERMINAL MEASUREMENT  
SYSTEM  
ECHO PROJECT  
ELECTRONIC MAIL  
FLEET SATELLITE COMMUNICATION  
SYSTEM  
GEOPHYSICAL SATELLITES  
GROUND-AIR-GROUND COMMUNICATION  
HET EXPERIMENT  
INDIAN SPACE PROGRAM  
LAND MOBILE SATELLITE SERVICE  
MOBILE COMMUNICATION SYSTEMS  
MSAT  
NETWORK CONTROL  
ORBIT SPECTRUM UTILIZATION  
PASSIVE SATELLITES  
RADIO RELAY SYSTEMS  
SATELLITE COMMUNICATION  
SATELLITE NETWORKS  
SKYNET SATELLITES  
SPACE COMMERCIALIZATION  
SPACE COMMUNICATION  
SYNCHRONOUS COMMUNICATIONS  
SATELLITE PROJ  
SYNCHRONOUS METEOROLOGICAL  
SATELLITE  
SYNCHRONOUS PLATFORMS  
SYNCHRONOUS SATELLITES  
TELECOMMUNICATION  
TELECONFERENCING  
TELSTAR PROJECT  
UNMANNED SPACECRAFT  
UPLINKING  
WIRELESS COMMUNICATION

### COMMUNICATION SYSTEMS

USE TELECOMMUNICATION

### COMMUNICATION THEORY

UF STATISTICAL COMMUNICATION THEORY  
GS **COMMUNICATION THEORY**  
... WORDS (LANGUAGE)  
... SYLLABLES  
RT CROSS COUPLING  
CYBERNETICS  
DATA TRANSMISSION  
HIGH LEVEL LANGUAGES  
INFORMATION THEORY  
INTELLIGIBILITY  
LANGUAGES  
LATTICES (MATHEMATICS)  
MESSAGES  
NETWORK SYNTHESIS  
RANDOM NOISE  
RANDOM PROCESSES  
REDUNDANCY  
SEMANTICS  
SENTENCES  
SIGNAL TO NOISE RATIOS  
SWITCHING THEORY  
∞ THEORIES

### COMMUNICATIONS TECHNOLOGY SATELLITE

UF HERMES SATELLITE  
GS ARTIFICIAL SATELLITES  
... COMMUNICATION SATELLITES  
... **COMMUNICATIONS TECHNOLOGY  
SATELLITE**  
... COMSTAR C  
... NATO 3B SATELLITE  
RT CANADA  
CANADIAN SPACE PROGRAM

### COMMUNICATIONS TECHNOLOGY-(CONT.)

INTERNATIONAL COOPERATION  
NASA PROGRAMS  
SYNCHRONOUS SATELLITES  
TECHNOLOGY ASSESSMENT  
TECHNOLOGY UTILIZATION

### COMMUNITIES

GS **COMMUNITIES**  
... INHABITANTS  
... MOUNTAIN INHABITANTS  
RT CITIES  
DEMOGRAPHY  
ETHNIC FACTORS  
INTEGRATED ENERGY SYSTEMS  
MEGALOPOLISES  
MINORITIES  
MODULAR INTEGRATED UTILITY SYSTEM  
NATIONS  
POLICE  
POLITICS  
REGIMES  
SOCIOLOGY  
STARSITE PROGRAM  
UNITED NATIONS  
URBAN DEVELOPMENT  
URBAN PLANNING  
URBAN RESEARCH

### COMMUTATION

RT COMMUTATORS  
INTERPOLATION  
SWITCHING THEORY

### COMMUTATORS

GS **COMMUTATORS**  
... DECOMMUTATORS  
RT ARMATURES  
COMMUTATION  
DISTRIBUTORS  
ELECTRIC CONTACTS  
ELECTRIC MOTORS  
∞ ROTATING ELECTRICAL MACHINES  
ROTATING GENERATORS

### COMPACTING

RT AGGLOMERATION  
COLD PRESSING  
DENSIFICATION  
HOT ISOSTATIC PRESSING  
HOT PRESSING  
POWDER METALLURGY  
PRESSES  
∞ PRESSING  
PRESSING (FORMING)  
VIBRATION

### COMPACTNESS

USE VOID RATIO

### COMPANDING

RT FREQUENCY MODULATION  
MODULATION  
RADIO TRANSMISSION  
SIGNAL PROCESSING  
SIGNAL TO NOISE RATIOS

### COMPANION STARS

GS CELESTIAL BODIES  
... STARS  
... DOUBLE STARS  
... BINARY STARS  
... **COMPANION STARS**  
... NEMESIS (STAR)  
RT PARALLAX  
STELLAR MOTIONS  
VARIABLE STARS  
VISUAL OBSERVATION  
X RAY BINARIES

### COMPARATOR CIRCUITS

GS CIRCUITS  
... **COMPARATOR CIRCUITS**  
RT CLIPPER CIRCUITS  
DELAY CIRCUITS  
DISCRIMINATION  
TIME DISCRIMINATION

### COMPARATORS

GS MEASURING INSTRUMENTS  
... **COMPARATORS**  
RT DISCRIMINATORS  
ERROR SIGNALS  
HARMONIC GENERATORS

### COMPARATORS-(CONT.)

MONOCHROMATORS  
REFLECTOMETERS

### COMPARISON

RT ANALOGIES  
COST ANALYSIS  
ECONOMIC ANALYSIS  
ESTIMATES  
EVALUATION  
EXAMINATION  
MATCHING  
PATTERN REGISTRATION  
RANKING

### COMPARTMENTATION

USE COMPARTMENTS

### COMPARTMENTS

UF COMPARTMENTATION  
GS **COMPARTMENTS**  
... AIR LOCKS  
... AIRCRAFT COMPARTMENTS  
... COMMAND MODULES  
... PRESSURIZED CABINS  
... SPACECRAFT CABINS  
... TEST CHAMBERS  
... ANECHOIC CHAMBERS  
... PRESSURE CHAMBERS  
... HYPERBARIC CHAMBERS  
... VACUUM CHAMBERS  
... REVERBERATION CHAMBERS  
RT BAYS (STRUCTURAL UNITS)  
∞ CELLS  
CREW EXPERIMENT STATIONS  
CREW OBSERVATION STATIONS  
CREW WORKSTATIONS  
ENCLOSURES  
MODULES  
ROOMS  
SPACECRAFT MODULES

### COMPASS (PROGRAMMING LANGUAGE)

GS LANGUAGES  
... PROGRAMMING LANGUAGES  
... ASSEMBLY LANGUAGE  
... **COMPASS (PROGRAMMING  
LANGUAGE)**  
RT COMPILERS  
COMPUTER PROGRAMMING

### COMPASSES

GS MEASURING INSTRUMENTS  
... INDICATING INSTRUMENTS  
... **COMPASSES**  
... GYROCOMPASSES  
... MAGNETIC COMPASSES  
... SOLAR COMPASSES  
NAVIGATION AIDS  
... NAVIGATION INSTRUMENTS  
... **COMPASSES**  
... GYROCOMPASSES  
... MAGNETIC COMPASSES  
... SOLAR COMPASSES  
RT AIRCRAFT INSTRUMENTS  
BEACONS  
BUOYS  
FLIGHT INSTRUMENTS  
RADAR BEACONS  
RADIO DIRECTION FINDERS  
TRANSITS

### COMPATIBILITY

GS **COMPATIBILITY**  
... BIOCOMPATIBILITY  
... ELECTROMAGNETIC COMPATIBILITY  
... SYSTEMS COMPATIBILITY  
RT ACCEPTABILITY  
AFFINITY  
CONVENTIONS  
PERMISSIVITY  
STABILITY  
SUITABILITY  
VERSATILITY

### ∞ COMPENSATION

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT ALLOWANCES  
ERRORS  
IMAGE MOTION COMPENSATION  
INSTRUMENT COMPENSATION  
TEMPERATURE COMPENSATION  
TRANSIENT RESPONSE

## COMPOSITE PROPELLANTS

### COMPENSATORS

RT BALANCE  
BIAS  
COMPENSATORS  
ERROR SIGNALS  
FEEDBACK  
VIDEO EQUIPMENT

### COMPENSATORY TRACKING

GS TRACKING (POSITION)  
COMPENSATORY TRACKING  
RT INFRARED TRACKING  
OPTICAL TRACKING  
RADAR TRACKING

### COMPETITION

RT ATHLETES  
HUMAN PERFORMANCE  
HUMAN REACTIONS  
PHYSICAL FITNESS

### COMPILATION (COMPUTERS)

USE COMPILERS

### COMPILER PROGRAMS

USE COMPILERS

### COMPILERS

SN (PROGRAM-MAKING ROUTINES FOR  
DIGITAL COMPUTERS)  
UF COMPILATION (COMPUTERS)  
GS COMPILER PROGRAMS  
COMPUTER PROGRAMS  
COMPILERS  
RT ASSEMBLER ROUTINES  
AUTOCODERS  
COLLATING  
COMPASS (PROGRAMMING LANGUAGE)  
COMPUTER PROGRAM INTEGRITY  
COMPUTER SYSTEMS PROGRAMS  
DATA CONVERSION ROUTINES  
FORTRAN  
OPERATING SYSTEMS (COMPUTERS)  
PARSING ALGORITHMS  
PASCAL (PROGRAMMING LANGUAGE)  
PL/1  
PROGRAMMED INSTRUCTION  
SUBROUTINES

### ∞ COMPLEMENT

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT COMPLEMENT (BIOLOGY)  
COMPLEMENTS (MATHEMATICS)  
PERSONNEL

### COMPLEMENT (BIOLOGY)

RT ∞ BIOLOGY  
∞ COMPLEMENT  
HEMOLYSIS

### COMPLEMENTARY METAL OXIDE SEMICONDUCTORS

USE CMOS

### COMPLEMENTS (MATHEMATICS)

RT ANGLES (GEOMETRY)  
∞ COMPLEMENT  
∞ LOGIC

### COMPLETENESS

RT ACHIEVEMENT  
COMPUTER PROGRAM INTEGRITY  
INTEGRITY

### COMPLEX COMPOUNDS

RT ∞ CHEMICAL COMPOUNDS  
MOLECULAR STRUCTURE  
TRANSITION METALS

### COMPLEX NUMBERS

RT GEOMETRY  
INTEGERS  
∞ NUMBERS  
REAL NUMBERS

### COMPLEX SYSTEMS

RT PARAMETER IDENTIFICATION  
RELIABILITY ENGINEERING  
SYSTEM IDENTIFICATION  
∞ SYSTEMS  
SYSTEMS ANALYSIS

### COMPLEX VARIABLES

GS ANALYSIS (MATHEMATICS)  
COMPLEX VARIABLES  
AIRY FUNCTION  
ANALYTIC FUNCTIONS  
ENTIRE FUNCTIONS  
BESSEL FUNCTIONS  
HANKEL FUNCTIONS  
CAUCHY INTEGRAL FORMULA  
CONFORMAL MAPPING  
CONJUGATES  
CONJUGATE POINTS  
EXPONENTIAL FUNCTIONS  
LOGARITHMS  
GAMMA FUNCTION  
HARMONIC FUNCTIONS  
HYPERBOLIC FUNCTIONS  
HYPERGEOMETRIC FUNCTIONS  
LAGUERRE FUNCTIONS  
LEGENDRE FUNCTIONS  
LIQUVILLE THEOREM  
MATHIEU FUNCTION  
MEROMORPHIC FUNCTIONS  
ELLIPTIC FUNCTIONS  
RATIONAL FUNCTIONS  
NONHOLONOMIC EQUATIONS  
ORTHOGONAL FUNCTIONS  
SCHWARZ-CHRISTOFFEL  
TRANSFORMATION  
SINGULARITY (MATHEMATICS)  
NAKED SINGULARITIES  
SPHERICAL HARMONICS  
RT APERIODIC FUNCTIONS  
COMPLEXITY  
DEPENDENT VARIABLES  
EULER-CAUCHY EQUATIONS  
FUNCTIONAL ANALYSIS  
JOUKOWSKI TRANSFORMATION  
MAXIMUM PRINCIPLE  
REAL VARIABLES  
SCHAUDER FIXPOINT THEOREM  
STABILITY DERIVATIVES  
THEODORSEN TRANSFORMATION  
UNIQUENESS THEOREM  
∞ VARIABLE

### COMPLEXITY

UF COMPLICATION  
GS COMPLEXITY  
RT TASK COMPLEXITY  
COMPLEX VARIABLES  
FEEDBACK  
∞ PERFORMANCE  
STATISTICAL DISTRIBUTIONS

### COMPLIANCE (ELASTICITY)

USE MODULUS OF ELASTICITY

### COMPLICATION

USE COMPLEXITY

### COMPONENT RELIABILITY

GS RELIABILITY  
COMPONENT RELIABILITY  
RT AIRCRAFT RELIABILITY  
CIRCUIT RELIABILITY  
CUMULATIVE DAMAGE  
PROCESS CONTROL (INDUSTRY)  
QUALITY CONTROL  
RETIREMENT FOR CAUSE  
SPACECRAFT RELIABILITY  
STRUCTURAL RELIABILITY

### ∞ COMPONENTS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
UF PARTS  
RT ACCESSORIES  
ANTENNA COMPONENTS  
ASSEMBLIES  
COMPUTER COMPONENTS  
CONTENT  
ENGINE PARTS  
FRACTIONS  
INGREDIENTS  
MISSILE COMPONENTS  
MODULES  
REDUNDANT COMPONENTS  
SEGMENTS  
SPACECRAFT COMPONENTS  
SPARE PARTS  
STRUCTURAL MEMBERS  
SUBASSEMBLIES

### COMPOSITE FUNCTIONS

GS ANALYSIS (MATHEMATICS)  
REAL VARIABLES  
COMPOSITE FUNCTIONS  
FUNCTIONS (MATHEMATICS)  
COMPOSITE FUNCTIONS

### COMPOSITE MATERIALS

UF COMPOSITES  
PYROGRAPHALLOY  
GS COMPOSITE MATERIALS  
BORON REINFORCED MATERIALS  
ALUMINUM BORON COMPOSITES  
BORON-EPOXY COMPOSITES  
CARBON-CARBON COMPOSITES  
CERAMIC MATRIX COMPOSITES  
CERMETS  
COMPOSITE PROPELLANTS  
FIBER COMPOSITES  
CARBON FIBER REINFORCED  
PLASTICS  
GLASS FIBER REINFORCED PLASTICS  
GLASSY CARBON  
LAMINATES  
BORAL  
PLYWOOD  
METAL MATRIX COMPOSITES  
ALUMINUM BORON COMPOSITES  
ALUMINUM GRAPHITE COMPOSITES  
BORSIC (TRADENAME)  
EUTECTIC COMPOSITES  
POLYMER MATRIX COMPOSITES  
EPOXY MATRIX COMPOSITES  
BORON-EPOXY COMPOSITES  
GRAPHITE-POLYIMIDE COMPOSITES  
REINFORCED PLASTICS  
CARBON FIBER REINFORCED  
PLASTICS  
GLASS FIBER REINFORCED  
PLASTICS  
MICARTA  
RESIN MATRIX COMPOSITES  
BORON-EPOXY COMPOSITES  
GRAPHITE-EPOXY COMPOSITES  
SUPERHYBRID MATERIALS  
GRAPHITE-EPOXY COMPOSITES  
THREE DIMENSIONAL COMPOSITES  
WHISKER COMPOSITES  
RT AIRCRAFT CONSTRUCTION MATERIALS  
AIRFRAME MATERIALS  
BIMETALS  
BORON FIBERS  
CARBON FIBERS  
CLADDING  
COATINGS  
∞ CONSTRUCTION MATERIALS  
E GLASS  
FIBER ORIENTATION  
FIBER RELEASE  
FIBERS  
INSULATION  
LAY-UP  
LOW DENSITY RESEARCH  
∞ MATERIALS  
∞ MATRICES  
MATRIX MATERIALS  
METALS  
MICROMECHANICS  
MIXTURES  
MODULAR RATIOS  
MONOTECTIC ALLOYS  
MULTILAYER INSULATION  
PLY ORIENTATION  
POWDER METALLURGY  
PREFORMS  
PREPREGS  
REINFORCEMENT (STRUCTURES)  
REINFORCING FIBERS  
REINFORCING MATERIALS  
RIGID STRUCTURES  
∞ ROVINGS  
S GLASS  
SANDWICH STRUCTURES  
SOLID SUSPENSIONS  
SPIRAL WRAPPING  
THERMOSETTING RESINS

### COMPOSITE PROPELLANTS

GS COMPOSITE MATERIALS  
COMPOSITE PROPELLANTS  
PROPELLANTS  
SOLID PROPELLANTS  
COMPOSITE PROPELLANTS  
RT CASE BONDED PROPELLANTS  
DOUBLE BASE PROPELLANTS



## COMPOSITE STRUCTURES

### COMPOSITE PROPELLANTS-(CONT.)

DOUBLE BASE ROCKET PROPELLANTS  
EXPLOSIVES  
FUEL PRODUCTION  
PLASTIC PROPELLANTS  
PLASTISOLS  
POLYSULFIDES  
POLYURETHANE RESINS  
PROPELLANT ADDITIVES  
PROPELLANT BINDERS  
SOLID ROCKET PROPELLANTS

### COMPOSITE STRUCTURES

GS **COMPOSITE STRUCTURES**  
.. LAMINATES  
.. BORAL  
.. PLYWOOD  
RT BORON-EPOXY COMPOSITES  
CERAMIC MATRIX COMPOSITES  
GLASS FIBER REINFORCED PLASTICS  
HONEYCOMB CORES  
HONEYCOMB STRUCTURES  
HYBRID STRUCTURES  
LAY-UP  
PULTRUSION  
STEEL STRUCTURES  
∞ STRUCTURES

### COMPOSITE WRAPPING

RT CERAMIC FIBERS  
FIBER COMPOSITES  
FILAMENT WINDING  
ISOTENSOID STRUCTURES  
SPIRAL WRAPPING  
∞ WRAP

### COMPOSITES

USE COMPOSITE MATERIALS

### ∞ COMPOSITION

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT COMPOSITION (PROPERTY)  
CONTENT  
FORMULATIONS  
INGREDIENTS  
STOICHIOMETRY

### COMPOSITION (PROPERTY)

GS **COMPOSITION (PROPERTY)**  
.. ATMOSPHERIC COMPOSITION  
.. ATMOSPHERIC MOISTURE  
.. IONOSPHERIC COMPOSITION  
.. BODY COMPOSITION (BIOLOGY)  
.. CHEMICAL COMPOSITION  
.. CARBON DIOXIDE CONCENTRATION  
.. STELLAR COMPOSITION  
.. CONCENTRATION (COMPOSITION)  
.. ATOM CONCENTRATION  
.. CARBON DIOXIDE CONCENTRATION  
.. LOW CONCENTRATIONS  
.. MASCONS  
.. METEOROID CONCENTRATION  
.. MOISTURE CONTENT  
.. ATMOSPHERIC MOISTURE  
.. GAS COMPOSITION  
.. CARBON DIOXIDE CONCENTRATION  
.. LUNAR COMPOSITION  
.. METEORITIC COMPOSITION  
.. PLANETARY COMPOSITION  
.. PLASMA COMPOSITION  
RT ∞ COMPOSITION  
GRADIENTS  
HENRY LAW  
LUMPING  
MIXTURES  
RAOULT LAW  
SOLUTIONS  
STOICHIOMETRY

### COMPOSTING

GS DISPOSAL  
.. WASTE DISPOSAL  
.. **COMPOSTING**  
RT GARBAGE  
METABOLIC WASTES  
SHREDDING  
SOLID WASTES  
WASTE TREATMENT  
WASTE UTILIZATION

### COMPOUND A

GS HALOGEN COMPOUNDS  
.. FLUORINE COMPOUNDS

### COMPOUND A-(CONT.)

.. FLUORIDES  
.. **COMPOUND A**  
RT ∞ CHEMICAL COMPOUNDS

### COMPOUND HELICOPTERS

GS V/STOL AIRCRAFT  
.. ROTARY WING AIRCRAFT  
.. HELICOPTERS  
.. **COMPOUND HELICOPTERS**  
RT AERONAUTICAL ENGINEERING  
AIR TRANSPORTATION  
∞ AIRCRAFT  
AIRCRAFT CONFIGURATIONS  
AIRCRAFT DESIGN  
HELICOPTER DESIGN  
SHORT TAKEOFF AIRCRAFT  
VERTICAL TAKEOFF AIRCRAFT

### COMPOUNDING

UF MILLING (MIXING)  
GS MIXING  
.. **COMPOUNDING**  
RT COLLOIDING  
DISSOLVING  
GRINDING (COMMINUTION)  
HOMOGENIZING  
∞ MILLING

### ∞ COMPOUNDS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT ∞ CHEMICAL COMPOUNDS  
POTTING COMPOUNDS

### COMPRESSED AIR

GS GASES  
.. GAS MIXTURES  
.. AIR  
.. **COMPRESSED AIR**  
MIXTURES  
.. SOLUTIONS  
.. GAS MIXTURES  
.. AIR  
.. **COMPRESSED AIR**  
RT COMPRESSORS  
DRILLS  
ENERGY STORAGE  
MAN OPERATED PROPULSION SYSTEMS  
OXYGEN SUPPLY EQUIPMENT  
PNEUMATIC EQUIPMENT  
∞ PUMPING

### COMPRESSED GAS

GS GASES  
.. **COMPRESSED GAS**  
.. HIGH PRESSURE OXYGEN  
RT COMPRESSORS  
GAS PRESSURE  
PNEUMATIC CONTROL

### COMPRESSIBILITY

GS MECHANICAL PROPERTIES  
.. **COMPRESSIBILITY**  
RT BULK MODULUS  
COMPRESSIBLE FLOW  
COMPRESSIVE STRENGTH  
DENSITY (MASS/VOLUME)  
EQUATIONS OF STATE  
GRUNEISEN CONSTANT  
HYDROELASTICITY  
INCOMPRESSIBILITY  
METAL POWDER  
POROSITY  
POWDER (PARTICLES)

### COMPRESSIBILITY EFFECTS

RT BUFFETING  
COMPRESSIBLE FLOW  
∞ EFFECTS  
FLUTTER  
HEAT TRANSFER  
OSCILLATING FLOW  
PRESSURE EFFECTS  
RELAXATION (PHYSIOLOGY)  
SECONDARY FLOW  
SUPERSONIC FLOW  
TRANSONIC FLOW

### COMPRESSIBLE BOUNDARY LAYER

GS BOUNDARY LAYERS  
.. **COMPRESSIBLE BOUNDARY LAYER**  
RT LAMINAR BOUNDARY LAYER  
THREE DIMENSIONAL BOUNDARY LAYER

### COMPRESSIBLE BOUNDARY LAYER-(CONT.)

TURBULENT BOUNDARY LAYER

### COMPRESSIBLE FLOW

GS FLUID FLOW  
.. **COMPRESSIBLE FLOW**  
.. TRANSONIC FLOW  
RT AERODYNAMICS  
AIR FLOW  
CARTAN SPACE  
COMPRESSIBILITY  
COMPRESSIBILITY EFFECTS  
CROCCO METHOD  
GAS FLOW  
HUGONOT EQUATION OF STATE  
HYPERSONIC FLOW  
INCOMPRESSIBLE FLOW  
MAGNETOHYDRODYNAMIC FLOW  
NEWTON PRESSURE LAW  
STAGNATION FLOW  
STAGNATION PRESSURE  
STAGNATION TEMPERATURE  
SUBSONIC FLOW  
SUPERSONIC FLOW

### COMPRESSIBLE FLUIDS

RT AERODYNAMIC HEATING  
CROCCO METHOD  
FLUID POWER  
∞ FLUIDS  
HYDROELASTICITY  
IDEAL FLUIDS  
INCOMPRESSIBLE FLUIDS  
MAXWELL FLUIDS  
METHOD OF CHARACTERISTICS  
P WAVES  
SUPERFLUIDITY

### COMPRESSING

UF RECOMPRESSION  
SQUEEZING  
GS **COMPRESSING**  
.. PLASMA COMPRESSION  
.. SPEECH BASEBAND COMPRESSION  
RT ADIABATIC CONDITIONS  
ANVILS  
AXIAL COMPRESSION LOADS  
BLOWING  
COMPRESSORS  
CONCENTRATING  
DENSIFICATION  
INTERNAL COMPRESSION INLETS  
MAGNETIC COMPRESSION  
MECHANICAL PROPERTIES  
METAL POWDER  
PISTON THEORY  
∞ PRESSING  
PRESSURE  
PRESSURE REDUCTION  
PULSE COMPRESSION  
∞ PUMPING  
RAREFACTION  
SUPERCHARGERS

### COMPRESSION LOADS

GS LOADS (FORCES)  
.. **COMPRESSION LOADS**  
.. AXIAL COMPRESSION LOADS  
.. IMPACT LOADS  
RT AERODYNAMIC LOADS  
AXIAL LOADS  
BUCKLING  
COMPRESSIVE STRENGTH  
CONTACT LOADS  
DYNAMIC LOADS  
EDGE LOADING  
MECHANICAL PROPERTIES  
SHOCK LOADS  
STATIC LOADS  
STRUCTURAL DESIGN CRITERIA  
THRUST LOADS

### COMPRESSION RATIO

GS RATIOS  
.. **COMPRESSION RATIO**  
RT EFFICIENCY  
FUEL-AIR RATIO

### COMPRESSION TESTERS

USE COMPRESSION TESTS

### COMPRESSION TESTS

UF COMPRESSION TESTERS  
METEORITE COMPRESSION TESTS  
RT CREEP TESTS

**COMPRESSION TESTS-(CONT.)**

DESTRUCTIVE TESTS  
HARDNESS TESTS  
IMPACT TESTS  
LOAD TESTS  
∞ MATERIALS TESTS  
STATIC TESTS  
∞ TESTS

**COMPRESSION WAVES**

GS ELASTIC WAVES  
RT P WAVES

**COMPRESSIVE STRENGTH**

GS MECHANICAL PROPERTIES  
RT ∞ **COMPRESSIVE STRENGTH**  
COMPRESSIBILITY  
COMPRESSION LOADS  
DUCTILITY  
ELASTIC PROPERTIES  
FIBER STRENGTH  
HIGH STRENGTH  
POISSON RATIO  
RESILIENCE  
SHEAR STRENGTH  
∞ STRENGTH  
TOUGHNESS

**COMPRESSOR BLADES**

GS TURBOMACHINE BLADES  
RT ∞ **COMPRESSOR BLADES**  
CENTRIFUGAL COMPRESSORS  
FAN BLADES  
ROTATING STALLS  
ROTOR BLADES (TURBOMACHINERY)  
STATOR BLADES  
TURBINE BLADES  
TURBOCOMPRESSORS  
VANES

**COMPRESSOR EFFICIENCY**

GS EFFICIENCY  
RT ∞ **COMPRESSOR EFFICIENCY**  
POWER EFFICIENCY  
THERMODYNAMIC EFFICIENCY

**COMPRESSOR ROTORS**

GS ROTATING BODIES  
RT ∞ **COMPRESSOR ROTORS**  
CENTRIFUGAL COMPRESSORS  
COMPRESSORS  
FANS  
IMPELLERS  
ROTOR BLADES (TURBOMACHINERY)  
TURBINE WHEELS  
TURBOCOMPRESSORS

**COMPRESSORS**

SN (EXCLUDES DATA COMPRESSORS)  
GS **COMPRESSORS**  
CENTRIFUGAL COMPRESSORS  
SUPERCHARGERS  
SUPERSONIC COMPRESSORS  
TRANSONIC COMPRESSORS  
TURBOCOMPRESSORS  
RT AIR CONDITIONING EQUIPMENT  
BLOWERS  
COMPRESSED AIR  
COMPRESSED GAS  
COMPRESSING  
COMPRESSOR ROTORS  
CONDENSERS (LIQUEFIERS)  
COOLERS  
∞ FANS  
REFRIGERATING MACHINERY  
STATORS  
TURBOMACHINERY  
VACUUM PUMPS  
VANELESS DIFFUSERS

**COMPTON EFFECT**

GS SCATTERING  
RT ∞ **COMPTON EFFECT**  
COHERENT SCATTERING  
∞ EFFECTS  
INELASTIC SCATTERING  
NUCLEAR REACTIONS  
PHOTOELECTRICITY

**COMPULSATORS**

RT AC GENERATORS  
COMPENSATORS

**COMPULSATORS-(CONT.)**

ELECTRIC POWER SUPPLIES  
PULSE GENERATORS

**COMPUTATION**

UF CALCULATION  
GS **COMPUTATION**  
ORBIT CALCULATION  
MINIMUM VARIANCE ORBIT  
DETERMINATION  
RT ADDITION  
∞ APPLICATIONS OF MATHEMATICS  
ARITHMETIC  
CALCULATORS  
COMPUTATIONAL ASTROPHYSICS  
COMPUTATIONAL FLUID DYNAMICS  
COMPUTERS  
DATA PROCESSING  
DATA REDUCTION  
DIVIDING (MATHEMATICS)  
FLUX VECTOR SPLITTING  
∞ FORMULAS  
INTERPOLATION  
LINEAR PREDICTION  
MULTIPLICATION  
SUBTRACTION  
SUMS  
SYSTOLIC ARRAYS

**COMPUTATIONAL ASTROPHYSICS**

GS ASTROPHYSICS  
RT ∞ **COMPUTATIONAL ASTROPHYSICS**  
COMPUTATION  
COMPUTERIZED SIMULATION  
MATHEMATICAL MODELS  
∞ SCIENCE

**COMPUTATIONAL CHEMISTRY**

GS ANALYSIS (MATHEMATICS)  
RT ∞ **COMPUTATIONAL CHEMISTRY**  
CHEMISTRY  
COMPUTER TECHNIQUES  
COMPUTERIZED SIMULATION  
PHYSICAL CHEMISTRY  
∞ TESTS

**COMPUTATIONAL FLUID DYNAMICS**

GS ANALYSIS (MATHEMATICS)  
RT ∞ **COMPUTATIONAL FLUID DYNAMICS**  
ANALYSIS  
NUMERICAL ANALYSIS  
FLUID MECHANICS  
FLUID DYNAMICS  
COMPUTATION  
DYNAMICS  
EQUATIONS OF MOTION  
FINITE ELEMENT METHOD  
FLOW DEFLECTION  
FLOW EQUATIONS  
FLUX VECTOR SPLITTING  
HYDRODYNAMIC COEFFICIENTS  
INTERACTIONAL AERODYNAMICS  
NAVIER-STOKES EQUATION  
PANEL METHOD (FLUID DYNAMICS)  
RELAXATION METHOD (MATHEMATICS)  
SPECTRAL METHODS

**COMPUTATIONAL GRIDS**

UF GRIDS (MATHEMATICS)  
RT MESH (MATHEMATICS)  
COORDINATES  
MATHEMATICAL MODELS  
NUMERICAL ANALYSIS  
PROBLEM SOLVING

**COMPUTER AIDED DESIGN**

UF CAD (DESIGN)  
GS COMPUTER AIDED ENGINEERING  
COMPUTERIZED DESIGN  
COMPUTER TECHNIQUES  
RT ∞ **COMPUTER AIDED DESIGN**  
IPAD  
AIRCRAFT DESIGN  
AMPLIFIER DESIGN  
COMPUTER GRAPHICS  
COMPUTERIZED SIMULATION  
∞ DESIGN  
DRAFTING MACHINES  
ENGINE DESIGN  
HELICOPTER DESIGN  
LENS DESIGN  
LOFTING  
LOGIC DESIGN  
MAN-COMPUTER INTERFACE

**COMPUTER AIDED DESIGN-(CONT.)**

MISSILE DESIGN  
REACTOR DESIGN  
ROBOTICS  
SATELLITE DESIGN  
SPACECRAFT DESIGN  
STRUCTURAL DESIGN

**COMPUTER AIDED ENGINEERING**

USE COMPUTER AIDED DESIGN

**COMPUTER AIDED MANUFACTURING**

UF CAM (MANUFACTURING)  
GS COMPUTER TECHNIQUES  
RT ∞ **COMPUTER AIDED MANUFACTURING**  
MANUFACTURING  
COMPUTER GRAPHICS  
COMPUTERIZED SIMULATION  
ROBOTICS

**COMPUTER AIDED MAPPING**

GS COMPUTER TECHNIQUES  
RT ∞ **COMPUTER AIDED MAPPING**  
MAPPING  
COMPUTER GRAPHICS  
COMPUTERIZED SIMULATION  
MAPS  
ROBOTICS

**COMPUTER AIDED TOMOGRAPHY**

UF CAT SCANNER  
GS COMPUTER TECHNIQUES  
RT ∞ **COMPUTER AIDED TOMOGRAPHY**  
IMAGERY  
RADIOGRAPHY  
TOMOGRAPHY  
COMPUTER GRAPHICS  
IMAGE PROCESSING

**COMPUTER ANIMATION**

GS ARTS  
GRAPHIC ARTS  
ANIMATION  
COMPUTER ANIMATION  
COMPUTER GRAPHICS  
COMPUTER TECHNIQUES  
COMPUTERIZED SIMULATION  
MOTION PICTURES

**COMPUTER ASSISTED INSTRUCTION**

UF CAI  
GS COMPUTER TECHNIQUES  
RT ∞ **COMPUTER ASSISTED INSTRUCTION**  
PROGRAMMED INSTRUCTION  
LANGUAGE PROGRAMMING  
SYMBOLIC PROGRAMMING

**COMPUTER CODES**

USE COMPUTER PROGRAMS

**COMPUTER COMPATIBLE TAPES**

GS COMPUTER STORAGE DEVICES  
MAGNETIC TAPES  
COMPUTER COMPATIBLE TAPES  
RT COMPUTERS  
DATA PROCESSING EQUIPMENT  
DIGITAL COMPUTERS  
∞ TAPES

**COMPUTER COMPONENTS**

RT ADDING CIRCUITS  
ARITHMETIC AND LOGIC UNITS  
BINARY TO DECIMAL CONVERTERS  
BUBBLE MEMORY DEVICES  
CENTRAL PROCESSING UNITS  
∞ COMPONENTS  
COMPUTERS  
CONSOLES  
CONTROL UNITS (COMPUTERS)  
COUNTERS  
DECIMAL TO BINARY CONVERTERS  
DIGITAL ELECTRONICS  
LOGICAL ELEMENTS  
READ-ONLY MEMORY DEVICES  
REMOTE CONSOLES  
SHIFT REGISTERS

## COMPUTER DESIGN

### COMPUTER DESIGN

- SN (DESIGN OF COMPUTERS--EXCLUDES  
COMPUTERIZED DESIGN AND SYSTEMS  
ENGINEERING)
- RT ARCHITECTURE (COMPUTERS)  
COMPUTERS
  - ∞ DESIGN
  - FLUID LOGIC
  - LOGIC DESIGN
  - MEMORY (COMPUTERS)
  - MICROPROCESSORS
  - MIMD (COMPUTERS)
  - OPTICAL COMPUTERS
  - PRODUCT DEVELOPMENT
  - READ-ONLY MEMORY DEVICES
  - SIMD (COMPUTERS)

### COMPUTER GRAPHICS

- UF INTERACTIVE GRAPHICS
- GS **COMPUTER GRAPHICS**
- RT
  - COMPUTER ANIMATION
  - COMPUTER AIDED DESIGN
  - COMPUTER AIDED MANUFACTURING
  - COMPUTER AIDED MAPPING
  - COMPUTER AIDED TOMOGRAPHY
  - COMPUTERS
  - DATA PROCESSING TERMINALS
  - DISPLAY DEVICES
  - PLOTTERS
  - RASTER SCANNING
  - REMOTE CONSOLES
  - TOMOGRAPHY

### COMPUTER INFORMATION SECURITY

- UF COMPUTER SECURITY
- GS SECURITY
- RT **COMPUTER INFORMATION SECURITY**
  - CRYPTOGRAPHY
  - DATA PROCESSING
  - OPERATING SYSTEMS (COMPUTERS)
  - PRIVACY
  - SELECTIVE DISSEMINATION OF  
INFORMATION

### COMPUTER METHODS

- USE COMPUTER PROGRAMS

### COMPUTER NETWORKS

- GS **COMPUTER NETWORKS**
  - ARPA COMPUTER NETWORK
  - LOCAL AREA NETWORKS
- RT ALOHA SYSTEM
- DISTRIBUTED PROCESSING
- ELECTRONIC MAIL
- INTERPROCESSOR COMMUNICATION
- NETWORK CONTROL
- ∞ NETWORKS
- PROTOCOL (COMPUTERS)

### COMPUTER PROGRAM INTEGRITY

- GS INTEGRITY
- RT **COMPUTER PROGRAM INTEGRITY**
  - COMPILERS
  - COMPLETENESS
  - COMPUTERS
  - DIGITAL COMPUTERS
  - ERRORS
  - PROGRAMS
  - REDUNDANCY
  - SECURITY

### COMPUTER PROGRAMMING

- UF LEGENDRE CODE
- GS SOFTWARE ENGINEERING
  - COMPUTER PROGRAMMING**
  - ASSEMBLER ROUTINES
  - LANGUAGE PROGRAMMING
  - LOGIC PROGRAMMING
  - MICROPROGRAMMING
  - MULTIPROGRAMMING
  - ON-LINE PROGRAMMING
  - PARALLEL PROGRAMMING
  - SYMBOLIC PROGRAMMING
- RT ADA (PROGRAMMING LANGUAGE)  
ADDRESSING  
ALGOL  
ALGORITHMS  
APL (PROGRAMMING LANGUAGE)  
ASSEMBLY LANGUAGE  
AUTOCODERS  
BASIC (PROGRAMMING LANGUAGE)  
BATCH PROCESSING  
BCH CODES  
BLOCK DIAGRAMS  
CODING

## COMPUTER PROGRAMMING-(CONT.)

- COMPASS (PROGRAMMING LANGUAGE)
- CONTEXT FREE LANGUAGES
- DATA STRUCTURES
- DIGITAL TECHNIQUES
- EXPERT SYSTEMS
- FILE MAINTENANCE (COMPUTERS)
- FIRMWARE
- FLOW CHARTS
- FORMALISM
- FORMAT
- FORTRAN
- HAL/S (LANGUAGE)
- HEURISTIC METHODS
- KINOFORM
- LINEAR PROGRAMMING
- LISP (PROGRAMMING LANGUAGE)
- LOGIC DESIGN
- MACHINE-INDEPENDENT PROGRAMS
- MAP (PROGRAMMING LANGUAGE)
- MIMD (COMPUTERS)
- NATURAL LANGUAGE (COMPUTERS)
- NUMERICAL ANALYSIS
- PASCAL (PROGRAMMING LANGUAGE)
- PL/1
- PROGRAM VERIFICATION (COMPUTERS)
- PROGRAMMED INSTRUCTION
- PROGRAMMERS
- ∞ PROGRAMMING
- PROGRAMMING LANGUAGES
- PROLOG (PROGRAMMING LANGUAGE)
- REAL TIME OPERATION
- RESPONSE TIME (COMPUTERS)
- RUN TIME (COMPUTERS)
- SEQUENTIAL CONTROL
- SIMD (COMPUTERS)
- SLEUTH (PROGRAMMING LANGUAGE)
- SOFTWARE TOOLS
- SYSTEMS ANALYSIS
- THEOREM PROVING
- TIME SHARING

### COMPUTER PROGRAMS

- UF COMPUTER CODES
- COMPUTER METHODS
- SOFTWARE (COMPUTERS)
- GS **COMPUTER PROGRAMS**
  - APPLICATIONS PROGRAMS  
(COMPUTERS)
  - NASTRAN
  - COMPILERS
  - COMPUTER SYSTEMS PROGRAMS
  - ASSEMBLER ROUTINES
  - INPUT/OUTPUT ROUTINES
  - OPERATING SYSTEMS (COMPUTERS)
  - SUBROUTINE LIBRARIES  
(COMPUTERS)
  - EDITING ROUTINES (COMPUTERS)
  - MACHINE-INDEPENDENT PROGRAMS
  - MERGING ROUTINES
  - MULTIPLE OUTPUT PROGRAMS
  - OBJECT PROGRAMS
  - SOURCE PROGRAMS
  - SUBROUTINES
- RT ALGORITHMS
- ASSEMBLY LANGUAGE
- BATCH PROCESSING
- BLOCK DIAGRAMS
- CODING
- COMPUTERS
- DATA CONVERSION ROUTINES
- DATA FLOW ANALYSIS
- DATA PROCESSING
- DATA TRANSFER (COMPUTERS)
- DIGITAL COMPUTERS
- ERROR DETECTION CODES
- FIXED POINT ARITHMETIC
- FLOATING POINT ARITHMETIC
- GODDARD TRAJECTORY  
DETERMINATION SYSTEM
- INSTRUCTION SETS (COMPUTERS)
- LASER GUIDANCE
- MACHINE TRANSLATION
- MODULARITY
- NASA INTERACTIVE PLANNING SYSTEM
- NUMERICAL CONTROL
- ON-LINE SYSTEMS
- PROGRAMMED INSTRUCTION
- PROGRAMS
- REPORT GENERATORS
- ∞ ROUTINES
- SOFTWARE ENGINEERING
- SOFTWARE TOOLS
- ∞ TRANSLATORS
- USER MANUALS (COMPUTER  
PROGRAMS)

## COMPUTER SECURITY

- USE COMPUTER INFORMATION SECURITY

## COMPUTER SIMULATION

- USE COMPUTERIZED SIMULATION

## COMPUTER STORAGE DEVICES

- UF MACHINE STORAGE
- GS **COMPUTER STORAGE DEVICES**
  - BUBBLE MEMORY DEVICES
  - BUFFER STORAGE
  - CRYOGENIC COMPUTER STORAGE
  - DELAY LINES (COMPUTER STORAGE)
  - MAGNETIC CORES
  - MAGNETIC DISKS
  - MAGNETIC DRUMS
  - MAGNETIC TAPES
  - COMPUTER COMPATIBLE TAPES
  - OPTICAL DISKS
  - RANDOM ACCESS MEMORY
  - CORE STORAGE
  - READ-ONLY MEMORY DEVICES
  - REGISTERS (COMPUTERS)
  - ACCUMULATORS (COMPUTERS)
- RT ACOUSTIC DELAY LINES
- CARDS
- CENTRAL PROCESSING UNITS
- ∞ CHANNELS
- CRYOSAR
- ∞ EQUIPMENT
- FLIP-FLOPS
- HOLE BURNING
- MAGNETIC STORAGE
- MEMORY (COMPUTERS)
- MICROPROCESSORS
- OPTICAL MEMORY (DATA STORAGE)
- PARAMETRONS
- PERIPHERAL EQUIPMENT (COMPUTERS)
- PUNCHED CARDS
- PUNCHED TAPES
- RANDOM ACCESS
- SHIFT REGISTERS
- ∞ STORAGE
- THIN FILMS

## COMPUTER SYSTEMS DESIGN

- GS SYSTEMS ENGINEERING
- RT **COMPUTER SYSTEMS DESIGN**
  - CONCURRENT PROCESSING
  - ∞ DESIGN
  - DISTRIBUTED PROCESSING
  - INTERPROCESSOR COMMUNICATION
  - MAN MACHINE SYSTEMS
  - OPERATING SYSTEMS (COMPUTERS)
  - PERIPHERAL EQUIPMENT (COMPUTERS)
  - READ-ONLY MEMORY DEVICES
  - SOFTWARE ENGINEERING
  - SOFTWARE TOOLS
  - ∞ SYSTEMS
  - VIRTUAL MEMORY SYSTEMS

## COMPUTER SYSTEMS PERFORMANCE

- RT CONSISTENCY
- DATA SAMPLING
- EFFICIENCY
- EVALUATION
- OPERATOR PERFORMANCE
- OUTPUT
- ∞ PERFORMANCE
- PERFORMANCE TESTS
- QUALITY
- RELIABILITY
- RESPONSE TIME (COMPUTERS)
- ∞ SYSTEMS

## COMPUTER SYSTEMS PROGRAMS

- UF SOFTWARE (COMPUTERS)
- GS **COMPUTER PROGRAMS**
  - COMPUTER SYSTEMS PROGRAMS**
  - ASSEMBLER ROUTINES
  - INPUT/OUTPUT ROUTINES
  - OPERATING SYSTEMS (COMPUTERS)
  - SUBROUTINE LIBRARIES  
(COMPUTERS)
- RT ALGORITHMS
- ASSEMBLY LANGUAGE
- AUTOCODERS
- COMPILERS
- COMPUTERS
- DATA FLOW ANALYSIS
- DATA PROCESSING
- DIGITAL COMPUTERS
- EDITING ROUTINES (COMPUTERS)
- ERROR DETECTION CODES
- REPORT GENERATORS

**COMPUTER SYSTEMS PROGRAMS-(CONT.)**

- ∞ ROUTINES
  - SOFTWARE ENGINEERING
  - SOFTWARE TOOLS
- ∞ SYSTEMS
  - SYSTEMS ANALYSIS

**COMPUTER SYSTEMS SIMULATION**

- GS SIMULATION
  - COMPUTER SYSTEMS SIMULATION
- RT
  - ANALOG SIMULATION
  - DATA PROCESSING EQUIPMENT
  - DIGITAL SIMULATION
  - MATHEMATICAL MODELS
  - OPERATIONS RESEARCH
  - SIMULATORS
  - ∞ SYSTEMS
    - SYSTEMS ANALYSIS

**COMPUTER TECHNIQUES**

- GS COMPUTER TECHNIQUES
  - COMPUTER AIDED DESIGN
  - IPAD
  - COMPUTER AIDED MANUFACTURING
  - COMPUTER AIDED MAPPING
  - COMPUTER AIDED TOMOGRAPHY
  - COMPUTER ANIMATION
  - COMPUTER ASSISTED INSTRUCTION
- RT
  - ADAPTIVE OPTICS
  - ARPA COMPUTER NETWORK
  - COMPUTATIONAL CHEMISTRY
  - COMPUTERS
  - FLIGHT MANAGEMENT SYSTEMS
  - MANAGEMENT INFORMATION SYSTEMS
  - MANAGEMENT METHODS
  - MANAGEMENT SYSTEMS
  - MICROPROCESSORS
  - NASTRAN
  - NUMERICAL DIFFERENTIATION
  - ON-LINE SYSTEMS
  - PARSING ALGORITHMS
  - PERSONAL COMPUTERS
  - WORD PROCESSING

**COMPUTER VISION**

- RT ARTIFICIAL INTELLIGENCE
  - ∞ AUTOMATION
  - PATTERN RECOGNITION
  - POSITION SENSING
  - ROBOTICS
  - ROBOTS

**COMPUTERIZED CONTROL**

- USE NUMERICAL CONTROL

**COMPUTERIZED DESIGN**

- USE COMPUTER AIDED DESIGN

**COMPUTERIZED SIMULATION**

- UF ARIP (IMPACT PREDICTION)
- AUTOMATIC ROCKET IMPACT PREDICTORS
- COMPUTER SIMULATION
- IP (IMPACT PREDICTION)
- GS SIMULATION
  - COMPUTERIZED SIMULATION
    - ANALOG SIMULATION
    - DIGITAL SIMULATION
- RT
  - ALGORITHMS
  - ALTITUDE SIMULATION
  - COMPUTATIONAL ASTROPHYSICS
  - COMPUTATIONAL CHEMISTRY
  - COMPUTER AIDED DESIGN
  - COMPUTER AIDED MANUFACTURING
  - COMPUTER AIDED MAPPING
  - COMPUTER ANIMATION
  - COMPUTERS
  - CONTROL SIMULATION
  - DIFFERENTIAL ANALYZERS
  - FLIGHT SIMULATION
  - HIGHLY MANEUVERABLE AIRCRAFT
  - HYDRAULIC ANALOGIES
  - LANDING SIMULATION
  - LENNARD-JONES POTENTIAL
  - MATHEMATICAL MODELS
  - ∞ MISSILE SIMULATORS
  - MOTION SIMULATORS
  - NUMERICAL WEATHER FORECASTING
  - OPERATIONS RESEARCH
  - SYSTEMS SIMULATION
  - TARGET SIMULATORS

**COMPUTERS**

- GS DATA PROCESSING EQUIPMENT
  - COMPUTERS

**COMPUTERS-(CONT.)**

- ANALOG COMPUTERS
  - EAI 680 COMPUTER
  - HONEYWELL 600/6000 COMPUTER
  - SIGMA 5 COMPUTER
  - UNIVAC 1100 SERIES COMPUTERS
- CDC COMPUTERS
  - CDC CYBER 74 COMPUTER
  - CDC CYBER 170 SERIES
  - COMPUTERS
    - CDC CYBER 175 COMPUTER
    - CDC CYBER 174 COMPUTER
    - CDC CYBER 203 COMPUTER
    - CDC CYBER 205 COMPUTER
    - CDC STAR 100 COMPUTER
    - CDC 160-A COMPUTER
    - CDC 1604 COMPUTER
    - CDC 3100 COMPUTER
    - CDC 3200 COMPUTER
    - CDC 3600 COMPUTER
    - CDC 3800 COMPUTER
    - CDC 6000 SERIES COMPUTERS
    - CDC 6400 COMPUTER
    - CDC 6600 COMPUTER
    - CDC 6700 COMPUTER
    - CDC 7000 SERIES COMPUTERS
    - CDC 7600 COMPUTER
    - CDC 8090 COMPUTER
- COUNTING RATE COMPUTERS
  - DDP COMPUTERS
    - DDP 516 COMPUTER
  - DIGITAL COMPUTERS
    - CDC CYBER 74 COMPUTER
    - CDC CYBER 170 SERIES
    - COMPUTERS
      - CDC CYBER 174 COMPUTER
      - CDC CYBER 203 COMPUTER
      - CDC CYBER 205 COMPUTER
      - CDC STAR 100 COMPUTER
      - CDC 160-A COMPUTER
      - CDC 1604 COMPUTER
      - CDC 3100 COMPUTER
      - CDC 3200 COMPUTER
      - CDC 3600 COMPUTER
      - CDC 3800 COMPUTER
      - CDC 6000 SERIES COMPUTERS
      - CDC 6400 COMPUTER
      - CDC 6600 COMPUTER
      - CDC 6700 COMPUTER
      - CDC 7000 SERIES COMPUTERS
      - CDC 7600 COMPUTER
      - CDC 8090 COMPUTER
- EAI 680 COMPUTER
- EAI 8400 COMPUTER
- EAI 8900 COMPUTER
- EMR 6050 COMPUTER
- FERRANTI MERCURY COMPUTER
- GE COMPUTERS
  - GE 625 COMPUTER
  - GE 635 COMPUTER
- HEWLETT-PACKARD COMPUTERS
- HONEYWELL COMPUTERS
  - DDP 516 COMPUTER
  - HONEYWELL ADEPT COMPUTER
  - HONEYWELL DDP 116 COMPUTER
  - HONEYWELL 600/6000 COMPUTER
- IBM 360 COMPUTER
- IBM 370 COMPUTER
- IBM 650 COMPUTER
- IBM 704 COMPUTER
- IBM 709 COMPUTER
- IBM 1130 COMPUTER
- IBM 1401 COMPUTER
- IBM 1410 COMPUTER
- IBM 1620 COMPUTER
- IBM 2250 COMPUTER
- IBM 7000 SERIES COMPUTERS
  - IBM 7030 COMPUTER
  - IBM 7040 COMPUTER
  - IBM 7044 COMPUTER
  - IBM 7070 COMPUTER
  - IBM 7074 COMPUTER
  - IBM 7090 COMPUTER
  - IBM 7094 COMPUTER
- ICL COMPUTERS
- ILLIAC COMPUTERS
  - ILLIAC 3 COMPUTER
  - ILLIAC 4 COMPUTER
- MICROCOMPUTERS
- PERSONAL COMPUTERS
- MINICOMPUTERS
  - NOVA COMPUTERS
  - MODCOMP II COMPUTER
  - MODCOMP IV COMPUTER
  - PARALLEL COMPUTERS
  - MIMD (COMPUTERS)

**COMPUTERS-(CONT.)**

- SIMD (COMPUTERS)
- PDP COMPUTERS
  - PDP 7 COMPUTER
  - PDP 8 COMPUTER
  - PDP 9 COMPUTER
  - PDP 10 COMPUTER
  - PDP 11 COMPUTER
  - PDP 11/20 COMPUTER
  - PDP 11/40 COMPUTER
  - PDP 11/45 COMPUTER
  - PDP 11/50 COMPUTER
  - PDP 11/70 COMPUTER
  - PDP 12 COMPUTER
  - PDP 15 COMPUTER
- PHILCO 2000 COMPUTER
- RAYTHEON COMPUTERS
- RCA SPECTRA 70 COMPUTER
- SDS 900 SERIES COMPUTERS
- SDS 930 COMPUTER
- SDS 9300 COMPUTER
- SEL COMPUTERS
- SEQUENTIAL COMPUTERS
- SIGMA COMPUTERS
  - SIGMA 9 COMPUTER
  - SIGMA 5 COMPUTER
- SOLOMON COMPUTERS
- UNIVAC LARC COMPUTER
- UNIVAC 80 COMPUTER
- UNIVAC 418 COMPUTER
- UNIVAC 490 COMPUTER
- UNIVAC 494 COMPUTER
- UNIVAC 1100 SERIES COMPUTERS
  - UNIVAC 1105 COMPUTER
  - UNIVAC 1106 COMPUTER
  - UNIVAC 1107 COMPUTER
  - UNIVAC 1108 COMPUTER
  - UNIVAC 1110 COMPUTER
  - UNIVAC 1230 COMPUTER
- VAX COMPUTERS
  - VAX-11 SERIES COMPUTERS
  - VAX-11/780 COMPUTER
- EMBEDDED COMPUTER SYSTEMS
- AIRBORNE/SPACEBORNE COMPUTERS
  - HYBRID COMPUTERS
  - HYPERCUBE MULTIPROCESSORS
- IBM COMPUTERS
  - IBM 360 COMPUTER
  - IBM 370 COMPUTER
  - IBM 650 COMPUTER
  - IBM 704 COMPUTER
  - IBM 709 COMPUTER
  - IBM 1130 COMPUTER
  - IBM 1401 COMPUTER
  - IBM 1410 COMPUTER
  - IBM 1620 COMPUTER
  - IBM 2250 COMPUTER
  - IBM 7000 SERIES COMPUTERS
    - IBM 7030 COMPUTER
    - IBM 7040 COMPUTER
    - IBM 7044 COMPUTER
    - IBM 7070 COMPUTER
    - IBM 7074 COMPUTER
    - IBM 7090 COMPUTER
    - IBM 7094 COMPUTER
- MINOS COMPUTER
- OPTICAL COMPUTERS
- PEGASUS COMPUTER
- RCA COMPUTERS
  - RCA SPECTRA 70 COMPUTER
  - RCA-110 COMPUTERS
- SIEMENS 2002 COMPUTER
- SITE DATA PROCESSORS
- SUPERCOMPUTERS
- CRAY COMPUTERS
- UNIVAC COMPUTERS
  - UNIVAC LARC COMPUTER
  - UNIVAC 80 COMPUTER
  - UNIVAC 418 COMPUTER
  - UNIVAC 490 COMPUTER
  - UNIVAC 494 COMPUTER
  - UNIVAC 1100 SERIES COMPUTERS
    - UNIVAC 1105 COMPUTER
    - UNIVAC 1106 COMPUTER
    - UNIVAC 1107 COMPUTER
    - UNIVAC 1108 COMPUTER
    - UNIVAC 1110 COMPUTER
- UNIVAC 1230 COMPUTER
- RT APPLICATIONS PROGRAMS (COMPUTERS)
- ARITHMETIC AND LOGIC UNITS
- ARTIFICIAL INTELLIGENCE
- AUTOMATA THEORY
- ∞ AUTOMATION
- CALCULATORS

## COMSAT PROGRAM

### COMPUTERS-(CONT.)

CENTRAL PROCESSING UNITS  
COMPUTATION  
COMPUTER COMPATIBLE TAPES  
COMPUTER COMPONENTS  
COMPUTER DESIGN  
COMPUTER GRAPHICS  
COMPUTER PROGRAM INTEGRITY  
COMPUTER PROGRAMS  
COMPUTER SYSTEMS PROGRAMS  
COMPUTER TECHNIQUES  
COMPUTERIZED SIMULATION  
CONTROL DATA (COMPUTERS)  
CONTROL UNITS (COMPUTERS)  
CYBERNETICS  
DATA CONVERTERS  
DATA PROCESSING  
DIGITAL TO VOICE TRANSLATORS  
FILE MAINTENANCE (COMPUTERS)  
FIXED POINT ARITHMETIC  
FLOATING POINT ARITHMETIC  
HAL/S (LANGUAGE)  
HARDWARE  
INFORMATION RETRIEVAL  
INFORMATION THEORY  
INTEL 8080 MICROPROCESSOR  
LOGIC CIRCUITS  
MACHINE-INDEPENDENT PROGRAMS  
∞ MACHINERY  
MEMORY (COMPUTERS)  
MULTIPROCESSING (COMPUTERS)  
PRINTERS (DATA PROCESSING)  
READ-ONLY MEMORY DEVICES  
REAL TIME OPERATION  
RUN TIME (COMPUTERS)  
TELECOMMUNICATION  
VOCODERS

### COMSAT PROGRAM

GS PROGRAMS  
RT . COMSAT PROGRAM  
COMMUNICATION SATELLITES  
EARLY BIRD SATELLITES  
TELSTAR PROJECT  
TELSTAR SATELLITES

### COMSTAR C

GS ARTIFICIAL SATELLITES  
COMMUNICATION SATELLITES  
COMMUNICATIONS TECHNOLOGY  
SATELLITE  
COMSTAR C

### COMSTAR SATELLITES

GS ARTIFICIAL SATELLITES  
COMMUNICATION SATELLITES  
COMSTAR SATELLITES  
RT SATELLITE NETWORKS

### CONCATENATED CODES

RT BINARY CODES  
∞ CODES  
CODING  
DATA TRANSMISSION  
DECODING  
ERROR CORRECTING CODES  
REDUNDANCY ENCODING  
SIGNAL ENCODING

### CONCAVITY

RT CONTOUR SENSORS  
CONTOURS  
CONVEXITY  
FLATNESS  
SHAPES  
∞ SURFACE GEOMETRY

### CONCENTRATING

RT ACCUMULATIONS  
ADSORPTION  
AGGLOMERATION  
BENEFICIATION  
CENTRIFUGING  
CLASSIFIERS  
COAGULATION  
COALESCING  
COMPRESSING  
∞ CONCENTRATION  
CONCENTRATORS  
CONDENSING  
CRYSTALLIZATION  
DISTILLATION  
DRYING  
ENRICHMENT  
EVAPORATION

### CONCENTRATING-(CONT.)

EXTRACTION  
FILTRATION  
FLOCCULATING  
FLOTATION  
PERCOLATION  
PRECIPITATION (CHEMISTRY)  
∞ SEPARATION  
SEPARATORS  
SETTLING  
SORPTION  
STRESS CONCENTRATION  
UPGRADING  
VAPORIZING

### ∞ CONCENTRATION

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
RT CONCENTRATING  
CONCENTRATION (COMPOSITION)  
CROWDING  
FILTRATION  
ISOTOPIC ENRICHMENT

### CONCENTRATION (COMPOSITION)

GS COMPOSITION (PROPERTY)  
CONCENTRATION (COMPOSITION)  
ATOM CONCENTRATION  
CARBON DIOXIDE CONCENTRATION  
LOW CONCENTRATIONS  
MASCONS  
METEOROID CONCENTRATION  
MOISTURE CONTENT  
ATMOSPHERIC MOISTURE  
RT ∞ CONCENTRATION  
DILUTION  
PARTICULATE SAMPLING  
PURITY  
QUALITY  
SAMPLING  
∞ SATURATION  
SOLUBILITY

### CONCENTRATORS

GS CONCENTRATORS  
SPIRALS (CONCENTRATORS)  
RT ACCUMULATORS  
CENTRIFUGES  
CLASSIFIERS  
∞ CLASSIFYING  
COLUMNS (PROCESS ENGINEERING)  
CONCENTRATING  
EVAPORATORS  
FILTRATION  
FLUID FILTERS  
PRECIPITATORS  
RADIATIVE HEAT TRANSFER  
SEPARATORS  
SIZE SEPARATION  
SIZING SCREENS  
SOLAR COLLECTORS  
STILLS  
THERMAL RADIATION  
TRAPS  
WASHERS (CLEANERS)

### CONCENTRIC CYLINDERS

RT ∞ CYLINDERS  
CYLINDRICAL SHELLS

### CONCENTRIC SPHERES

GS SYMMETRICAL BODIES  
BODIES OF REVOLUTION  
SPHERES  
CONCENTRIC SPHERES  
RT CONCENTRICITY

### CONCENTRICITY

RT ∞ CENTERS  
CONCENTRIC SPHERES  
ECCENTRICITY

### CONCORDE AIRCRAFT

GS JET AIRCRAFT  
TURBOFAN AIRCRAFT  
CONCORDE AIRCRAFT  
SUD AVIATION AIRCRAFT  
CONCORDE AIRCRAFT  
SUPERSONIC AIRCRAFT  
SUPERSONIC TRANSPORTS  
CONCORDE AIRCRAFT  
TRANSPORT AIRCRAFT  
CONCORDE AIRCRAFT  
RT ∞ AIRCRAFT

### CONCRETE STRUCTURES

RT AGGREGATES  
BREAKWATERS  
CONSTRUCTION  
EARTHQUAKE RESISTANT STRUCTURES  
FOUNDATIONS  
∞ MATERIALS  
RIGID STRUCTURES  
∞ STRUCTURES  
TOWERS

### CONCRETES

RT ADMIXTURES  
AGGREGATES  
CEMENTS  
CONSTRUCTION MATERIALS  
GROUT  
INSULATION  
MASONRY  
MORTARS (MATERIAL)  
PAVEMENTS  
STRUCTURAL MEMBERS

### CONCURRENT PROCESSING

GS DATA PROCESSING  
CONCURRENT PROCESSING  
RT ARCHITECTURE (COMPUTERS)  
COMPUTER SYSTEMS DESIGN  
MIMO (COMPUTERS)  
MULTIPROCESSING (COMPUTERS)  
PARALLEL PROCESSING (COMPUTERS)  
SIMD (COMPUTERS)

### CONDENSATES

RT AITKEN NUCLEI  
∞ CONDENSATION  
CONDENSERS (LIQUEFIERS)  
CONDENSING  
CONTRAILS  
DROP SIZE  
LIQUEFIED GASES  
PLUMES  
VAPORS

### ∞ CONDENSATION

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
RT CONDENSATES  
CONDENSATION NUCLEI  
CONDENSING  
GAS-METAL INTERACTIONS  
LIQUEFACTION  
MAYER PROBLEM  
RECTIFICATION

### CONDENSATION NUCLEI

GS CONDENSATION NUCLEI  
AITKEN NUCLEI  
RT AEROSOLS  
CLOUD PHYSICS  
CLOUDS (METEOROLOGY)  
∞ CONDENSATION  
CONDENSING  
DROPS (LIQUIDS)  
ICE NUCLEI  
METEOROLOGY  
MICROPARTICLES  
NUCLEATION  
∞ NUCLEI  
RAIN

### CONDENSATION PUMPS

GS PUMPS  
VACUUM PUMPS  
CONDENSATION PUMPS  
VACUUM APPARATUS  
VACUUM PUMPS  
CONDENSATION PUMPS

### CONDENSATION TRAILS

USE CONTRAILS

### CONDENSED MATTER PHYSICS

RT MATTER (PHYSICS)  
∞ PHYSICS  
∞ SOLID STATE PHYSICS

### CONDENSER RADIATORS

USE CONDENSERS (LIQUEFIERS)  
HEAT RADIATORS

## CONES (VOLCANOES)

### ∞ CONDENSERS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT CAPACITORS  
CONDENSERS (LIQUEFIERS)  
JET CONDENSERS  
PHOTOGRAPHIC RECTIFIERS

### CONDENSERS (LIQUEFIERS)

- UF CONDENSER RADIATORS
- GS **CONDENSERS (LIQUEFIERS)**  
. JET CONDENSERS
- RT ABSORBERS (EQUIPMENT)  
AIR CONDITIONING  
AIR CONDITIONING EQUIPMENT  
COLD TRAPS  
COLUMNS (PROCESS ENGINEERING)  
COMPRESSORS  
CONDENSATES  
∞ CONDENSERS  
CONDENSING  
COOLING FINNS  
COOLING SYSTEMS  
DISTILLATION EQUIPMENT  
DRYING APPARATUS  
EVAPORATORS  
EXHAUST SYSTEMS  
FILM CONDENSATION  
HEAT EXCHANGERS  
HEAT PUMPS  
LIQUEFIED GASES  
REFRIGERATING MACHINERY  
SEPARATORS  
SPACECRAFT RADIATORS  
VAPORIZERS

### CONDENSING

- UF GAS LIQUEFACTION
- GS **CONDENSING**  
. FILM CONDENSATION
- RT ASSOCIATION REACTIONS  
CLOUD PHYSICS  
CONCENTRATING  
CONDENSATES  
∞ CONDENSATION  
CONDENSATION NUCLEI  
CONDENSERS (LIQUEFIERS)  
COOLING  
DEHUMIDIFICATION  
DEW POINT  
DISTILLATION  
DROP SIZE  
DROPS (LIQUIDS)  
EVAPORATION  
GAS-LIQUID INTERACTIONS  
GAS-METAL INTERACTIONS  
NUCLEATION  
PHASE CHANGE MATERIALS  
PHASE TRANSFORMATIONS  
REFRIGERATING  
∞ SATURATION  
∞ SEPARATION  
SUBLIMATION  
SUPERCOOLING  
SUPERSATURATION

### CONDITIONED REFLEXES

- GS REFLEXES
- RT **CONDITIONED REFLEXES**  
CONDITIONING (LEARNING)  
REACTION TIME

### CONDITIONED RESPONSES

- USE CONDITIONING (LEARNING)

### ∞ CONDITIONING

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT BENEFICIATION  
CONDITIONING (LEARNING)  
POWER CONDITIONING  
PRECONDITIONING

### CONDITIONING (LEARNING)

- UF CONDITIONED RESPONSES
- GS LEARNING
- RT **CONDITIONING (LEARNING)**  
BEHAVIOR  
BIOFEEDBACK  
CONDITIONED REFLEXES  
∞ CONDITIONING  
HABITUATION (LEARNING)  
INHIBITION (PSYCHOLOGY)

### CONDITIONING (TREATING)

- USE TREATMENT

### CONDITIONS

- GS **CONDITIONS**  
. ADIABATIC CONDITIONS  
. CHRONIC CONDITIONS  
. FLIGHT CONDITIONS  
. KUTTA-JOUKOWSKI CONDITION  
. LIPSCHITZ CONDITION  
. NONADIABATIC CONDITIONS  
. NONEQUILIBRIUM CONDITIONS  
. RUNWAY CONDITIONS

### CONDOR MISSILE

- GS MISSILES  
. AIR TO SURFACE MISSILES  
. **CONDOR MISSILE**

### CONDUCTANCE

- USE RESISTANCE

### CONDUCTING

- USE CONDUCTION

### CONDUCTING FLUIDS

- SN (EXCLUDES PLASMAS)
- RT CONDUCTORS  
ELECTROLYTES  
MAGNETOHYDRODYNAMICS

### CONDUCTING MEDIA

- USE CONDUCTORS

### ∞ CONDUCTION

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- UF CONDUCTING
- RT ATTENUATION  
CONDUCTIVE HEAT TRANSFER  
CONVECTION  
ELECTRIC CONDUCTORS  
ELECTRIC POWER TRANSMISSION  
HEAT TRANSFER  
HEATING  
REFRACTION  
SOUND PROPAGATION  
SOUND TRANSMISSION  
THERMAL CONDUCTORS  
THERMAL DIFFUSION  
TRANSMISSION  
WAVE PROPAGATION

### CONDUCTION BANDS

- GS ENERGY BANDS  
. **CONDUCTION BANDS**
- RT BAND STRUCTURE OF SOLIDS  
∞ BANDS  
BRILLOUIN ZONES  
ELECTRON TRANSITIONS  
FRANCK-CONDON PRINCIPLE  
NDM SEMICONDUCTOR DEVICES  
POLARONS  
QUANTUM WELLS  
SEMICONDUCTORS (MATERIALS)  
TRAPPING

### CONDUCTION ELECTRONS

- GS PARTICLES  
. CHARGED PARTICLES  
. ENERGETIC PARTICLES  
. . . ELECTRONS  
. . . **CONDUCTION ELECTRONS**
- RT FREE ELECTRONS  
QUANTUM WELLS  
VALENCE

### CONDUCTIVE HEAT TRANSFER

- UF HEAT CONDUCTION
- GS TRANSMISSION  
. HEAT TRANSMISSION  
. HEAT TRANSFER  
. . . **CONDUCTIVE HEAT TRANSFER**
- RT ∞ CONDUCTION  
CONVECTIVE HEAT TRANSFER  
LAMINAR HEAT TRANSFER  
THERMAL CONDUCTIVITY  
THERMAL CONDUCTORS

### ∞ CONDUCTIVITY

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*

### CONDUCTIVITY-(CONT.)

- RT ATMOSPHERIC CONDUCTIVITY  
ELECTRICAL PROPERTIES  
ELECTRICAL RESISTIVITY  
FLUID FLOW  
IMPEDANCE  
IONOSPHERIC CONDUCTIVITY  
MAGNETORESISTIVITY  
MOBILITY  
OHMS LAW  
PHOTOCONDUCTIVITY  
PLASMA CONDUCTIVITY  
SUPERCONDUCTING POWER  
TRANSMISSION  
SUPERCONDUCTIVITY  
THERMAL CONDUCTIVITY  
TRANSCONDUCTANCE  
TRANSPORT PROPERTIES  
VOID RATIO

### CONDUCTIVITY METERS

- GS MEASURING INSTRUMENTS  
. **CONDUCTIVITY METERS**  
. . . ELECTRICAL CONDUCTIVITY METERS

### CONDUCTORS

- UF CONDUCTING MEDIA
- GS **CONDUCTORS**  
. BUS CONDUCTORS  
. ELECTRIC CONDUCTORS  
. . . BEAM LEADS  
. ELECTRIC WIRE  
. ELECTROLYTES  
. . . ANOLYTES  
. CATHOLYTES  
. . . ION EXCHANGE MEMBRANE  
. . . ELECTROLYTES  
. . . JUMPERS  
. . . MOLTEN SALT ELECTROLYTES  
. . . NONAQUEOUS ELECTROLYTES  
. . . SOLID ELECTROLYTES  
. . . FLAT CONDUCTORS  
. . . BEAM LEADS  
. . . PHOTOCONDUCTORS  
. . . SUPERCONDUCTORS  
. . . HIGH TEMPERATURE  
. . . SUPERCONDUCTORS  
. . . THERMAL CONDUCTORS
- RT ANTENNAS  
CONDUCTING FLUIDS  
EXPLODING WIRES  
METALS  
NONFERROUS METALS  
ORGANIC SEMICONDUCTORS  
SEMICONDUCTORS (MATERIALS)  
SUBREFLECTORS

### CONES

- SN (LIMITED TO MATERIAL OBJECTS)
- UF CONICAL FLARE  
FUSIFORM SHAPES
- GS **CONES**  
. CIRCULAR CONES  
. CONICAL BODIES  
. . . SLENDER CONES  
. . . NOSE CONES  
. . . ABLATIVE NOSE CONES  
. . . ROCKET NOSE CONES  
. . . SHATTER CONES
- RT AERODYNAMIC CONFIGURATIONS  
BODIES OF REVOLUTION  
CONICAL SHELLS  
CONICS  
FRUSTUMS  
HALF CONES  
MACH CONES  
SYMMETRICAL BODIES

### CONES (VOLCANOES)

- UF CINDER CONES  
GEOLOGY
- GS **CONES (VOLCANOES)**  
LANDFORMS  
. **CONES (VOLCANOES)**
- RT BASALT  
CALDERAS  
CRATERS  
EFFUSIVES  
GEOMORPHOLOGY  
LAVA  
MARS VOLCANOES  
MOUNTAINS  
OROGRAPHY  
PALEOMAGNETISM  
PETROLOGY

## CONFERENCES

### CONES (VOLCANOES)-(CONT.)

ROUSE BELTS  
VOLCANOES  
VOLCANOLOGY

### CONFERENCES

UF MEETINGS  
PROCEEDINGS  
RT COMMITTEE ON SPACE RESEARCH  
CONSULTING  
CONVENTIONS  
∞ DISCUSSION  
DOCUMENTATION  
DOCUMENTS  
PAPERS  
REPORTS  
STARSITE PROGRAM  
TELECONFERENCING

### CONFIDENCE

RT CORRELATION  
ERRORS  
PROBABILITY THEORY  
PSYCHOLOGICAL EFFECTS  
QUALITY CONTROL  
RELIABILITY  
RISK  
STATISTICAL ANALYSIS

### CONFIDENCE LIMITS

RT CONTINGENCY  
ESTIMATES  
FORECASTING  
MAXIMUM LIKELIHOOD ESTIMATES  
∞ MEASUREMENT  
NULL HYPOTHESIS  
PRECISION  
PREDICTIONS  
QUALITY CONTROL  
RANGE (EXTREMES)  
RELIABILITY  
RISK  
SAMPLING  
SIGNIFICANCE  
STANDARD DEVIATION  
STATISTICAL ANALYSIS  
STATISTICAL TESTS  
∞ TESTS  
VARIANCE (STATISTICS)

### CONFIGURATION INTERACTION

RT ELECTRON ORBITALS  
∞ INTERACTIONS  
INTERMOLECULAR FORCES  
MOLECULAR INTERACTIONS  
MOLECULAR STRUCTURE  
∞ STRUCTURES

### CONFIGURATION MANAGEMENT

GS MANAGEMENT  
RT CONFIGURATION MANAGEMENT  
∞ CONFIGURATIONS

### ∞ CONFIGURATIONS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT AERODYNAMIC CONFIGURATIONS  
AIRCRAFT CONFIGURATIONS  
BODY-WING AND TAIL CONFIGURATIONS  
CANARD CONFIGURATIONS  
CONFIGURATION MANAGEMENT  
LAUNCH VEHICLE CONFIGURATIONS  
MISSILE CONFIGURATIONS  
PROPULSION SYSTEM CONFIGURATIONS  
SPACECRAFT CONFIGURATIONS  
STAGGERING  
TORPEDOES

### CONFINEMENT

RT ASTRONAUT PERFORMANCE  
CONTAINMENT  
ISOLATION  
MAGNETIC COMPRESSION  
NUCLEAR REACTOR CONTROL  
PLASMA CONTROL  
PLASMA EQUILIBRIUM  
SENSORY DEPRIVATION

### CONFINING

RT ASTRONAUT PERFORMANCE  
DEPRIVATION  
ISOLATION  
SENSORY DEPRIVATION

### CONFIRMATION

USE PROVING

### CONFLUENCE

USE CONVERGENCE

### CONFORMAL MAPPING

UF CONFORMAL TRANSFORMATIONS  
GS ANALYSIS (MATHEMATICS)  
COMPLEX VARIABLES  
CONFORMAL MAPPING  
FUNCTIONS (MATHEMATICS)  
CONFORMAL MAPPING  
RT COORDINATE TRANSFORMATIONS  
EULER-CAUCHY EQUATIONS  
GRAPHS (CHARTS)  
INVARIANT IMBEDDINGS  
ISOPARAMETRIC FINITE ELEMENTS  
JACOBI INTEGRAL  
LIGHTHILL METHOD  
MINIMAL SURFACES  
SCHWARZ-CHRISTOFFEL  
TRANSFORMATION  
THEODORSEN TRANSFORMATION

### CONFORMAL TRANSFORMATIONS

USE CONFORMAL MAPPING

### CONFUSION

RT ENTRAPMENT  
TANGLING

### CONGENERERS

RT ∞ CHEMICAL COMPOUNDS  
CLASSIFICATIONS  
ISOMERS  
MUSCLES  
TAUTOMERS

### CONGENITAL ANOMALIES

UF CONGENITAL CONDITIONS  
RT CHROMOSOMES  
GENETICS  
HEREDITY  
RHESUS FACTOR

### CONGENITAL CONDITIONS

USE CONGENITAL ANOMALIES

### CONGESTION

GS CIRCULATION  
CONGESTION  
RT ISCHEMIA  
PNEUMONIA  
RESPIRATORY DISEASES  
VASODILATION

### CONGO (BRAZZAVILLE)

UF BRAZZAVILLE  
FRENCH EQUATORIAL CONGO  
GS NATIONS  
CONGO (BRAZZAVILLE)  
RT AFRICA

### CONGO (KINSHASA)

USE ZAIRE

### CONGRESSIONAL REPORTS

UF PROCEEDINGS  
GS REPORTS  
CONGRESSIONAL REPORTS  
RT DOCUMENTS  
PRESIDENTIAL REPORTS

### CONGRUENCES

GS NUMBER THEORY  
CONGRUENCES  
RT ∞ COHERENCE  
COLLOCATION  
DIVIDING (MATHEMATICS)  
GEOMETRY  
IDENTITIES  
INTEGERS  
SYMMETRY

### CONICAL BODIES

UF CONOIDS  
GS CONES  
CONICAL BODIES  
SLENDER CONES  
SYMMETRICAL BODIES  
BODIES OF REVOLUTION  
CONICAL BODIES  
SLENDER CONES

### CONICAL BODIES-(CONT.)

RT AFTERBODIES  
AXISYMMETRIC BODIES

### CONICAL CAMBER

GS CAMBER  
CONICAL CAMBER  
RT WING CAMBER

### CONICAL FLARE

USE CONES

### CONICAL FLOW

GS FLUID FLOW  
CONICAL FLOW  
RT AXISYMMETRIC FLOW  
BAFFLES  
∞ DIFFUSERS  
MULTIPHASE FLOW  
SEPARATED FLOW  
THREE DIMENSIONAL FLOW  
WALL FLOW  
WEDGE FLOW

### CONICAL INLETS

GS INTAKE SYSTEMS  
CONICAL INLETS  
RT AIR INTAKES  
CONICAL NOZZLES  
FUNNELS

### CONICAL NOZZLES

RT ANNULAR NOZZLES  
CONICAL INLETS  
CONVERGENT NOZZLES  
CONVERGENT-DIVERGENT NOZZLES  
DIVERGENT NOZZLES  
EXHAUST DIFFUSERS  
EXHAUST NOZZLES  
HYPERSONIC NOZZLES  
INLET NOZZLES  
∞ JET NOZZLES  
NOZZLE GEOMETRY  
NOZZLE INSERTS  
NOZZLE WALLS  
∞ NOZZLES  
PLUG NOZZLES  
ROCKET NOZZLES  
SKIRTS  
SONIC NOZZLES  
SPIKE NOZZLES  
SPRAY NOZZLES  
SUPERSONIC NOZZLES  
TRANSONIC NOZZLES  
TURBINE EXHAUST NOZZLES  
WIND TUNNEL NOZZLES

### CONICAL SCANNING

GS SCANNING  
CONICAL SCANNING  
RT EXAMINATION  
FIELD OF VIEW  
MONITORS  
PANORAMIC SCANNING  
RADAR SCANNING  
READERS  
READING  
SCANNERS  
SEARCHING  
SURVEILLANCE

### CONICAL SHELLS

GS SHELLS (STRUCTURAL FORMS)  
CONICAL SHELLS  
RT CONES

### CONICS

GS GEOMETRY  
EUCLIDEAN GEOMETRY  
ANALYTIC GEOMETRY  
CONICS  
ELLIPSES  
HYPERBOLAS  
PARABOLAS  
RT CONES  
HALF CONES  
LOCI

### CONIFERS

GS PLANTS (BOTANY)  
TREES (PLANTS)  
CONIFERS  
RT DECIDUOUS TREES  
FORESTS

# CONSTITUTION

## CONIFERS-(CONT.)

TIMBER IDENTIFICATION  
∞ TREES

## CONJUGATE GRADIENT METHOD

GS ANALYSIS (MATHEMATICS)  
... NUMERICAL ANALYSIS  
... ITERATION  
... **CONJUGATE GRADIENT METHOD**  
RT ALGORITHMS  
CONJUGATES  
GRADIENTS  
ITERATIVE SOLUTION

## CONJUGATE POINTS

GS ANALYSIS (MATHEMATICS)  
... COMPLEX VARIABLES  
... CONJUGATES  
... **CONJUGATE POINTS**  
RT LINES OF FORCE  
MAGNETIC FIELDS

## CONJUGATED CIRCUITS

GS CIRCUITS  
... **CONJUGATED CIRCUITS**

## CONJUGATES

GS ANALYSIS (MATHEMATICS)  
... COMPLEX VARIABLES  
... **CONJUGATES**  
... CONJUGATE POINTS  
RT CHOLESKY FACTORIZATION  
CONJUGATE GRADIENT METHOD  
CONJUGATION  
FINITE ELEMENT METHOD

## CONJUGATION

GS **CONJUGATION**  
... PHASE CONJUGATION  
RT CONJUGATES

## ∞ CONJUNCTION

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT BOOLEAN ALGEBRA  
OCCULTATION  
ORBITS  
PROBABILITY THEORY  
SET THEORY

## CONJUNCTIVA

GS ANATOMY  
... SENSE ORGANS  
... EYE (ANATOMY)  
... **CONJUNCTIVA**  
MEMBRANES  
... **CONJUNCTIVA**  
RT CONJUNCTIVITIS  
KERATITIS  
VISION

## CONJUNCTIVITIS

GS DISEASES  
... EYE DISEASES  
... **CONJUNCTIVITIS**  
... INFECTIOUS DISEASES  
... **CONJUNCTIVITIS**  
RT BACTERIAL DISEASES  
CONJUNCTIVA

## CONNECTICUT

GS NATIONS  
... UNITED STATES  
... **CONNECTICUT**  
RT NEW HAVEN (CT)

## CONNECTIONS

USE JOINTS (JUNCTIONS)

## CONNECTIVE TISSUE

GS ANATOMY  
... MUSCULOSKELETAL SYSTEM  
... **CONNECTIVE TISSUE**  
... BONE MARROW  
... CARTILAGE  
... COLLAGENS  
RT ADIPOSE TISSUES  
BONES  
EXOSKELETONS  
JOINTS (ANATOMY)  
LIGAMENTS  
TENDONS

## CONNECTORS

GS **CONNECTORS**  
... ELECTRIC CONNECTORS  
... UMBILICAL CONNECTORS  
... UNIONS (CONNECTORS)  
RT ADAPTERS  
CORDAGE  
COUPLINGS  
DISCONNECT DEVICES  
FASTENERS  
FITTINGS  
FLANGES  
FLAT CONDUCTORS  
JOINTS (JUNCTIONS)  
JUMPERS  
∞ JUNCTIONS  
LINKAGES  
SLEEVES  
∞ TERMINALS  
YOKES

## CONNECTORS (ELECTRIC)

USE ELECTRIC CONNECTORS

## CONOIDS

USE CONICAL BODIES

## CONSCIOUSNESS

GS PERCEPTION  
... SENSORY PERCEPTION  
... **CONSCIOUSNESS**  
RT ATTENTION  
MENTAL PERFORMANCE  
RECOGNITION  
SLEEP DEPRIVATION

## CONSECUTIVE EVENTS

GS EVENTS  
... **CONSECUTIVE EVENTS**  
RT INTERVALS  
PETRI NETS  
PROBABILITY THEORY  
SCHEDULING  
SEQUENCING  
SEQUENTIAL CONTROL  
TIME MEASUREMENT

## CONSERVATION

GS **CONSERVATION**  
... ENERGY CONSERVATION  
RT AGRICULTURE  
DEFORESTATION  
DROUGHT  
ENERGY POLICY  
ENVIRONMENT MANAGEMENT  
FIREBREAKS  
FOREST MANAGEMENT  
FORESTS  
HABITATS  
LAND USE  
NEWTON SECOND LAW  
NONCONSERVATIVE FORCES  
PARITY  
POTABLE WATER  
REGIONAL PLANNING  
RURAL LAND USE  
SOIL SCIENCE  
SOILS  
WATER MANAGEMENT  
WATER RECLAMATION

## CONSERVATION EQUATIONS

RT BERNOULLI THEOREM  
CONTINUITY EQUATION  
∞ EQUATIONS  
NONCONSERVATIVE FORCES  
VORTICITY TRANSPORT HYPOTHESIS

## CONSERVATION LAWS

GS LAWS  
... **CONSERVATION LAWS**  
RT MOMENTUM THEORY  
NEWTON THEORY  
NONCONSERVATIVE FORCES

## CONSISTENCY

RT ABILITIES  
ACCURACY  
COMPUTER SYSTEMS PERFORMANCE  
EFFORT  
ERRORS  
LEVELING  
LINEARITY  
∞ MEASUREMENT  
∞ PERFORMANCE

## CONSISTENCY-(CONT.)

PRECISION  
QUALITY  
RATINGS  
RELIABILITY  
TOLERANCES (MECHANICS)  
VALIDITY  
VARIABILITY

## CONSOLES

GS **CONSOLES**  
... REMOTE CONSOLES  
RT AUTOMATIC TYPEWRITERS  
COMPUTER COMPONENTS  
CONTROL BOARDS  
DATA PROCESSING TERMINALS  
DISPLAY DEVICES  
∞ EQUIPMENT  
HEAD-UP DISPLAYS  
MAN MACHINE SYSTEMS  
MANUAL CONTROL

## CONSOLIDATION

RT ∞ COMBINATION  
DENSIFICATION  
OVERCONSOLIDATION  
STABILIZATION

## CONSONANTS (SPEECH)

RT SPEECH  
VOWELS  
WORDS (LANGUAGE)

## ∞ CONSTANT

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT COEFFICIENTS  
CONSTANTS  
INVARIANCE  
TIME CONSTANT

## CONSTANT SPEED PROPELLERS

USE VARIABLE PITCH PROPELLERS

## CONSTANT VOLUME BALLOONS

USE SUPERPRESSURE BALLOONS

## CONSTANTAN

GS ALLOYS  
... **CONSTANTAN**  
RT COPPER  
NICKEL  
THERMOCOUPLES

## CONSTANTS

GS **CONSTANTS**  
... BOHR MAGNETON  
... GRAVITATIONAL CONSTANT  
... GRUNEISEN CONSTANT  
... HUBBLE CONSTANT  
... PLANCKS CONSTANT  
... SOLAR CONSTANT  
... TIME CONSTANT  
... PERCEPTUAL TIME CONSTANT  
RT COEFFICIENTS  
∞ CONSTANT

## CONSTELLATIONS

GS **CONSTELLATIONS**  
... ANDROMEDA CONSTELLATION  
... ARIES CONSTELLATION  
... AURIGA CONSTELLATION  
... CASSIOPEIA CONSTELLATION  
... CENTAURUS CONSTELLATION  
... CEPHEUS CONSTELLATION  
... CORONA BOREALIS CONSTELLATION  
... CYGNUS CONSTELLATION  
... LYRA CONSTELLATION  
... ORION CONSTELLATION  
... SAGITTARIUS CONSTELLATION  
... SCORPIUS CONSTELLATION  
... SCUTUM CONSTELLATION  
... TAURUS CONSTELLATION  
RT CELESTIAL SPHERE  
PLANISPHERES  
STARS  
ZODIAC

## CONSTITUTION

RT ATOMIC STRUCTURE  
GOVERNMENTS  
LAW (JURISPRUDENCE)



## CONSTITUTIONAL DIAGRAMS

### CONSTITUTIONAL DIAGRAMS USE PHASE DIAGRAMS

#### CONSTITUTIVE EQUATIONS

- RT ELECTRIC FIELDS
- ∞ EQUATIONS
- MAGNETIC CHARGE DENSITY
- MAGNETIC FIELDS
- MAGNETIC FLUX

#### CONSTRAINTS

- UF HINDRANCE
- LIMITATIONS
- RESTRAINTS
- GS **CONSTRAINTS**
- ... METEOROLOGICAL PARAMETERS
- ... BRUNT-VAISALA FREQUENCY
- RT BLOCKING
- CONSTRICTIONS
- DYNAMIC PROGRAMMING
- ∞ HOLDING
- LINEAR PROGRAMMING
- NONLINEAR PROGRAMMING
- OPERATIONS RESEARCH
- OPTIMIZATION
- PENALTY FUNCTION
- RANGE (EXTREMES)
- RETAINING

#### CONSTRICTIONS

- UF RESTRICTIONS
- RT ∞ BARRIERS
- BLOCKING
- CHOKES (RESTRICTIONS)
- CLOSURES
- CONSTRAINTS
- CONTRACTS
- IMPEDANCE
- PLUGGING
- ∞ RESISTANCE
- RETARDERS (DEVICES)
- SEALS (STOPPERS)
- STOPPING

#### CONSTRUCTORS

- GS ANATOMY
- ... MUSCULOSKELETAL SYSTEM
- ... MUSCLES
- ... **CONSTRUCTORS**

#### CONSTRUCTION

- SN (EXCLUDES TYPES OF STRUCTURES)
- UF ERECTION
- RT ARCHITECTURE
- ASSEMBLING
- BRIDGES (STRUCTURES)
- BUILDINGS
- CAISSONS
- CONCRETE STRUCTURES
- ∞ CONSTRUCTION MATERIALS
- CONTRACTORS
- CONTRACTS
- ∞ DESIGN
- EXCAVATION
- FABRICATION
- HIGHWAYS
- INSPECTION
- INSTALLING
- LAYOUTS
- MAINTENANCE
- MASONRY
- QUALITY CONTROL
- RECONSTRUCTION
- RIGGING
- SHIPYARDS
- SPACE MANUFACTURING
- STARSITE PROGRAM
- STEEL STRUCTURES
- STRESS ANALYSIS
- STRUCTURAL ANALYSIS
- STRUCTURAL DESIGN
- STRUCTURAL ENGINEERING
- STRUCTURAL MEMBERS
- SURVEYS
- TUNNELING (EXCAVATION)
- WELDING

#### CONSTRUCTION IN SPACE USE ORBITAL ASSEMBLY

#### CONSTRUCTION INDUSTRY

- GS INDUSTRIES
- ... **CONSTRUCTION INDUSTRY**
- RT BRIDGES (STRUCTURES)
- BUILDINGS

### CONSTRUCTION INDUSTRY-(CONT.)

- CONTRACTORS
- INDUSTRIAL AREAS
- INDUSTRIAL PLANTS
- TOWERS
- TRUSSES

#### ∞ CONSTRUCTION MATERIALS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- UF BUILDING MATERIALS
- STRUCTURAL MATERIALS
- RT AGGREGATES
- AIRCRAFT CONSTRUCTION MATERIALS
- AIRCRAFT SURVIVABILITY
- AIRFRAME MATERIALS
- ARCHITECTURE
- BITUMENS
- BOARDS (PAPER)
- BRICKS
- CEMENTS
- COMPOSITE MATERIALS
- CONCRETES
- CONSTRUCTION
- GRAPHITE-EPOXY COMPOSITES
- GROUT
- INSULATION
- LATHES
- MASONITE (TRADEMARK)
- MASONRY
- ∞ MATERIALS
- PANELS
- PLASTICS
- POLYMER MATRIX COMPOSITES
- PROTECTIVE COATINGS
- REACTOR MATERIALS
- SKIN (STRUCTURAL MEMBER)
- SPACECRAFT CONSTRUCTION MATERIALS
- STRUCTURAL MEMBERS

#### CONSULTING

- RT CONFERENCES
- MANAGEMENT PLANNING
- PERSONNEL
- RESOURCES

#### CONSUMABLES (SPACECRAFT)

- GS **CONSUMABLES (SPACECRAFT)**
- ... STORABLE PROPELLANTS
- RT CONSUMABLES (SPACECREW SUPPLIES)
- PROPELLANT STORAGE
- SPACE LOGISTICS
- WORKING FLUIDS

#### CONSUMABLES (SPACECREW SUPPLIES)

- GS **CONSUMABLES (SPACECREW SUPPLIES)**
- ... SPACE RATIONS
- RT CLOTHING
- CONSUMABLES (SPACECRAFT)
- DEHYDRATED FOOD
- ∞ FOOD
- FOOD PRODUCTION (IN SPACE)
- HYGIENE
- POTABLE WATER
- PROVISIONING
- SANITATION
- SPACE FLIGHT FEEDING
- SPACE LOGISTICS
- SURVIVAL EQUIPMENT

#### CONSUMERS

- RT CONSUMPTION
- MARKET RESEARCH
- MARKETING
- PRODUCT DEVELOPMENT

#### CONSUMPTION

- GS **CONSUMPTION**
- ... ENERGY CONSUMPTION
- ... FUEL CONSUMPTION
- ... OXYGEN CONSUMPTION
- ... WATER CONSUMPTION
- RT COMMERCE
- CONSUMERS
- DEMAND (ECONOMICS)
- DEPLETION
- EXHAUSTING
- EXHAUSTION
- SUPPLYING
- UTILIZATION

#### CONTACT DERMATITIS

- GS DISEASES

### CONTACT DERMATITIS-(CONT.)

- ... INFECTIOUS DISEASES
- ... DERMATITIS
- ... **CONTACT DERMATITIS**
- RT ALLERGIC DISEASES
- DERMATOLOGY
- EPIDERMIS
- ITCHING
- SKIN (ANATOMY)

#### CONTACT LENSES

- GS LENSES
- ... **CONTACT LENSES**
- RT EYEPIECES
- RETICLES

#### CONTACT LOADS

- GS LOADS (FORCES)
- ... DYNAMIC LOADS
- ... **CONTACT LOADS**
- ... ROLLING CONTACT LOADS
- RT COMPRESSION LOADS
- DYNAMIC PRESSURE
- IMPACT LOADS
- RANDOM LOADS
- SHOCK LOADS
- ∞ SLIDING CONTACT
- TRANSIENT LOADS

#### CONTACT POTENTIALS

- GS POTENTIAL ENERGY
- ... ELECTRIC POTENTIAL
- ... **CONTACT POTENTIALS**
- RT ELECTRIC CONTACTS
- SURFACE PROPERTIES

#### CONTACT RESISTANCE

- GS ELECTRICAL PROPERTIES
- ... ELECTRICAL IMPEDANCE
- ... ELECTRICAL RESISTANCE
- ... **CONTACT RESISTANCE**
- IMPEDANCE
- ... ELECTRICAL IMPEDANCE
- ... ELECTRICAL RESISTANCE
- ... **CONTACT RESISTANCE**
- RT ELECTRIC CONTACTS
- NONOHMIC EFFECT
- ∞ RESISTANCE
- SURFACE PROPERTIES

#### CONTACTORS

- SN (EXCLUDES ELECTRIC SWITCHES)
- RT CARBURETORS
- CHEMICAL REACTORS
- COLUMNS (PROCESS ENGINEERING)
- ELECTRIC SWITCHES
- MIXERS
- SPRAYERS

#### CONTACTS (ELECTRIC)

- USE ELECTRIC CONTACTS

#### CONTACTS (GEOLOGY)

- RT FORMATIONS
- GEOLOGY
- METAMORPHISM (GEOLOGY)
- MINERAL DEPOSITS
- ROCK INTRUSIONS
- ROCKS

#### CONTAINERLESS MELTS

- GS MELTS (CRYSTAL GROWTH)
- ... **CONTAINERLESS MELTS**
- RT CRYSTAL GROWTH
- CRYSTALLIZATION
- CRYSTALS
- DIRECTIONAL SOLIDIFICATION (CRYSTALS)
- LOW GRAVITY MANUFACTURING
- MANUFACTURING
- MELTING
- ORBITAL WORKSHOPS
- SPACE PROCESSING
- WEIGHTLESSNESS

#### ∞ CONTAINERS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- UF RECEPTACLES (CONTAINERS)
- RT AMPOULES
- AUTOClaves
- BAGS
- BARRELS (CONTAINERS)

## CONTOUR SENSORS

### CONTAINERS-(CONT.)

BASKETS  
BIOPAKS  
BOTTLES  
BOXES (CONTAINERS)  
BUNDLES  
CANS  
∞ CAPSULES  
CARTRIDGES  
CASES (CONTAINERS)  
CRUCIBLES  
DISPOSAL  
DRUMS (CONTAINERS)  
ENCLOSURES  
FUEL TANKS  
GLASSWARE  
HOPPERS  
HOUSINGS  
MATERIALS HANDLING  
MICROMODULES  
PACKAGES  
PACKAGING  
PRESERVING  
PRESSURE VESSELS  
PROTECTORS  
REELS  
SPOOLS  
SPRAYERS  
TANKS (CONTAINERS)  
TRANSPORTER  
TRAYS  
WING TANKS

### CONTAINMENT

RT ASTEROID CAPTURE  
BLOCKING  
BURST TESTS  
CONFINEMENT  
RETAINING  
SEALING  
STOPPING

### CONTAMINANTS

UF NOXIOUS MATERIALS  
POLLUTANTS  
GS **CONTAMINANTS**  
. RADIOACTIVE CONTAMINANTS  
. TRACE CONTAMINANTS  
RT CHLOROFUOROMETHANE  
CONTAMINATION  
DECONTAMINATION  
DILUENTS  
DIRT  
DUST  
EFFLUENTS  
ENVIRONMENT EFFECTS  
ENVIRONMENTAL QUALITY  
FUEL CONTAMINATION  
IMPURITIES  
∞ MATERIALS  
NONPOINT SOURCES  
PARTICULATES  
POLLUTION  
PURITY  
QUALITY  
WASTES  
WATER TREATMENT

### CONTAMINATION

GS **CONTAMINATION**  
. FUEL CONTAMINATION  
. SPACECRAFT CONTAMINATION  
RT AIR POLLUTION  
ANTI FOULING  
ANTI INFECTIVES AND ANTIBACTERIALS  
CONTAMINANTS  
DECONTAMINATION  
ENVIRONMENT EFFECTS  
FOULING  
INTRUSION  
MOLECULAR SHIELDS  
NONPOINT SOURCES  
POLLUTION  
PURITY  
RADIOACTIVE WASTES  
WATER POLLUTION

### CONTENT

GS **CONTENT**  
. BONE MINERAL CONTENT  
RT ∞ COMPONENTS  
∞ COMPOSITION  
INGREDIENTS

### CONTEXT

RT NATURAL LANGUAGE (COMPUTERS)  
PATTERN RECOGNITION

### CONTEXT FREE LANGUAGES

GS LANGUAGES  
. PROGRAMMING LANGUAGES  
. . . **CONTEXT FREE LANGUAGES**  
RT COMPUTER PROGRAMMING  
SYMBOLIC PROGRAMMING

### CONTINENTAL DRIFT

RT CONTINENTS  
EARTH CRUST  
EARTH PLANETARY STRUCTURE  
GEOMAGNETISM  
GEOPHYSICS  
PALEOMAGNETISM

### CONTINENTAL MARGINS

USE CONTINENTAL SHELVES

### CONTINENTAL SHELVES

UF CONTINENTAL MARGINS  
RT GEOLOGY  
OCEAN BOTTOM  
SEAMOUNTS  
∞ SHELVES

### CONTINENTS

GS **CONTINENTS**  
. AFRICA  
. ASIA  
. AUSTRALIA  
. EUROPE  
. NORTH AMERICA  
. SOUTH AMERICA  
RT ANTARCTIC REGIONS  
CENTRAL EUROPE  
CONTINENTAL DRIFT  
CRATONS  
GEOGRAPHY  
MOUNTAINS  
TRANSCONTINENTAL SYSTEMS

### CONTINGENCY

RT CONFIDENCE LIMITS  
CORRELATION  
ESTIMATES  
EXPECTATION  
MATERIALS HANDLING  
PREDICTIONS  
RESERVES  
RISK

### CONTINUITY

RT CONTINUITY (MATHEMATICS)  
COORDINATION  
SCHEDULING  
TOPOLOGY  
VARIABILITY

### CONTINUITY (MATHEMATICS)

GS ANALYSIS (MATHEMATICS)  
. CALCULUS  
. . . **CONTINUITY (MATHEMATICS)**  
RT CONTINUITY  
FUNCTIONS (MATHEMATICS)  
ISOPERIMETRIC PROBLEM  
NORMAL DENSITY FUNCTIONS  
POISSON DENSITY FUNCTIONS  
PROBABILITY DENSITY FUNCTIONS  
STATISTICAL ANALYSIS  
SYMMETRY  
TOPOLOGY

### CONTINUITY EQUATION

RT CONSERVATION EQUATIONS  
CONTINUUM MECHANICS  
CROCCO-LEE THEORY  
∞ EQUATIONS  
EQUATIONS OF MOTION  
EQUATIONS OF STATE  
FLUID DYNAMICS  
NONCONSERVATIVE FORCES  
STEADY FLOW

### CONTINUOUS FLOW ELECTROPHORESIS

USE ELECTROPHORESIS

### CONTINUOUS NOISE

RT ∞ NOISE  
NOISE PROPAGATION  
SOUND GENERATORS

### CONTINUOUS RADIATION

UF CONTINUOUS WAVES  
GS **CONTINUOUS RADIATION**  
. MODULATED CONTINUOUS RADIATION  
RT ABSORPTION SPECTRA  
BACKGROUND RADIATION  
COHERENT RADIATION  
CORPUSCULAR RADIATION  
ELASTIC WAVES  
ELECTROMAGNETIC RADIATION  
EMISSION SPECTRA  
PULSED RADIATION  
∞ RADIATION  
∞ RAYS

### CONTINUOUS SPECTRA

GS SPECTRA  
. **CONTINUOUS SPECTRA**  
RT ASTRONOMICAL SPECTROSCOPY  
SOLAR SPECTRA  
SPECTRAL EMISSION  
STELLAR SPECTRA

### CONTINUOUS WAVE LASERS

GS STIMULATED EMISSION DEVICES  
. LASERS  
. . . **CONTINUOUS WAVE LASERS**  
RT ARGON LASERS  
CARBON DIOXIDE LASERS  
CARBON MONOXIDE LASERS  
LASER STABILITY  
SOLID STATE LASERS

### CONTINUOUS WAVE RADAR

UF CW RADAR  
GS RADAR  
RT **CONTINUOUS WAVE RADAR**  
COHERENT RADAR  
DOPPLER RADAR  
PULSE RADAR  
RADAR DETECTION  
RADAR RANGE  
SEARCH RADAR  
SURVEILLANCE RADAR  
TRACKING RADAR

### CONTINUOUS WAVES

USE CONTINUOUS RADIATION

### CONTINUUM FLOW

GS FLUID FLOW  
. GAS FLOW  
. . . **CONTINUUM FLOW**  
RT FREE MOLECULAR FLOW  
MOLECULAR FLOW  
RAREFIED GAS DYNAMICS  
SLIP FLOW

### CONTINUUM MECHANICS

RT BURGER EQUATION  
CLASSICAL MECHANICS  
CONTINUITY EQUATION  
CONTINUUM MODELING  
∞ DYNAMICS  
FLOW THEORY  
FLUID MECHANICS  
MAXWELL BODIES  
∞ MECHANICS (PHYSICS)  
MULTIPOLAR FIELDS  
SOLID MECHANICS  
STATISTICAL MECHANICS  
STRESS TENSORS

### CONTINUUM MODELING

RT CONTINUUM MECHANICS  
CONTINUUMS  
LARGE SPACE STRUCTURES  
MATHEMATICAL MODELS  
STRUCTURAL ANALYSIS

### CONTINUUMS

RT CONTINUUM MODELING  
PROBABILITY THEORY  
REAL VARIABLES  
RELATIVITY  
TOPOLOGY

### CONTOUR SENSORS

RT BOUNDARIES  
CONCAVITY  
CONTOURS  
CONVEXITY  
IMAGERY  
IMAGES

## CONTOURS

### CONTOUR SENSORS-(CONT.)

∞ SENSORS  
SHAPES  
TOPOGRAPHY

### CONTOURS

UF CURVED SURFACES  
RT CONCAVITY  
CONTOUR SENSORS  
CONVEXITY  
CURVED PANELS  
DATUM (ELEVATION)  
ELEVATION  
FLATNESS  
GEOMORPHOLOGY  
HYPSOGRAPHY  
MAPPING  
ROUGHNESS  
SHAPES  
TOPOGRAPHY

### CONTRACT INCENTIVES

GS INCENTIVES  
∞ **CONTRACT INCENTIVES**  
MOTIVATION  
∞ **CONTRACT INCENTIVES**

### CONTRACT MANAGEMENT

GS MANAGEMENT  
∞ **CONTRACT MANAGEMENT**  
RT CONTRACTS  
DECISION MAKING  
DECISIONS  
PERT  
PROJECT MANAGEMENT  
SCHEDULES  
SUBCONTRACTS  
SYSTEMS ENGINEERING

### CONTRACT NEGOTIATION

RT CONTRACTORS  
CONTRACTS  
DECISION MAKING  
GOVERNMENT/INDUSTRY RELATIONS  
INDUSTRIES  
MANAGEMENT  
MANUFACTURING  
SUBCONTRACTS

### CONTRACTION

RT COOLING  
∞ REDUCTION  
SHRINKAGE  
SPASMS

### CONTRACTORS

RT COLUMNS (PROCESS ENGINEERING)  
CONSTRUCTION  
CONSTRUCTION INDUSTRY  
CONTRACT NEGOTIATION  
CONTRACTS  
GOVERNMENT/INDUSTRY RELATIONS  
INDUSTRIES  
QUALIFICATIONS  
SUBCONTRACTS  
TRANSPORTATION

### CONTRACTS

GS **CONTRACTS**  
∞ INSURANCE (CONTRACTS)  
∞ SUBCONTRACTS  
RT AGREEMENTS  
CANCELLATION  
CONSTRUCTIONS  
CONSTRUCTION  
CONTRACT MANAGEMENT  
CONTRACT NEGOTIATION  
CONTRACTORS  
ESTIMATES  
ESTIMATING  
EXTENSIONS  
FEDERAL BUDGETS  
GOVERNMENT PROCUREMENT  
GOVERNMENT/INDUSTRY RELATIONS  
GRANTS  
LEASING  
LEGAL LIABILITY  
OPTIONS  
PROCUREMENT  
PROJECTS  
REVISIONS  
SUPPLEMENTS

### CONTRAILS

UF CONDENSATION TRAILS  
VAPOR TRAILS  
RT CONDENSATES  
WAKES

### CONTRALATERAL FUNCTIONS

RT ∞ FUNCTIONS

### CONTRAROTATING PROPELLERS

GS PROPELLERS  
∞ **CONTRAROTATING PROPELLERS**  
RT PROPELLER DRIVE  
PROPELLER EFFICIENCY  
TURBOPROP ENGINES

### CONTRAST

GS **CONTRAST**  
∞ IMAGE CONTRAST  
∞ PHASE CONTRAST  
RT CHARACTER RECOGNITION  
COLOR  
LEGIBILITY  
PERCEPTION  
PRINTING  
RESOLUTION  
∞ SHARPNESS  
VISIBILITY  
VISION

### ∞ CONTROL

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*

UF CONTROL SYSTEMS  
CONTROLLED STABILITY  
REGULATION  
RT ACCESS CONTROL  
ACTIVE CONTROL  
ADAPTIVE CONTROL  
AIR NAVIGATION  
AIR TRAFFIC CONTROL  
AIRCRAFT CONTROL  
ALTITUDE CONTROL  
APPROACH CONTROL  
ASTRONOMICS  
ATTITUDE CONTROL  
AUTOMATIC CONTROL  
AUTOMATIC CONTROL VALVES  
AUTOMATIC FLIGHT CONTROL  
AUTOMATIC FREQUENCY CONTROL  
AUTOMATIC GAIN CONTROL  
AVIONICS  
BIOFEEDBACK  
BOUNDARY LAYER CONTROL  
CASCADE CONTROL  
CHEMICAL REACTION CONTROL  
CIRCULATION CONTROL AIRFOILS  
CIRCULATION CONTROL ROTORS  
COMBUSTION CONTROL  
COMMAND AND CONTROL  
CONTROL BOARDS  
CONTROL CONFIGURED VEHICLES  
CONTROL DATA (COMPUTERS)  
CONTROL EQUIPMENT  
CONTROL MOMENT GYROSCOPES  
CONTROL ROCKETS  
CONTROL RODS  
CONTROL SIMULATION  
CONTROL STABILITY  
CONTROL STICKS  
CONTROL SURFACES  
CONTROL SYSTEMS DESIGN  
CONTROL THEORY  
CONTROL UNITS (COMPUTERS)  
CONTROL VALVES  
CONTROLLABILITY  
CONTROLLED ATMOSPHERES  
CONTROLLED FUSION  
CONTROLLERS  
CRITICAL PATH METHOD  
CYBERNETICS  
DIRECT LIFT CONTROLS  
DIRECTIONAL CONTROL  
DYNAMIC CHARACTERISTICS  
DYNAMIC CONTROL  
ELECTRIC CONTROL  
ELECTRONIC CONTROL  
ELEVATORS (CONTROL SURFACES)  
ENGINE CONTROL  
ENVIRONMENTAL CONTROL  
FEEDBACK CONTROL  
FEEDFORWARD CONTROL  
FIRE CONTROL  
FIRE CONTROL CIRCUITS

### CONTROL-(CONT.)

FLAPS (CONTROL SURFACES)  
FLIGHT CONTROL  
FLOOD CONTROL  
FLUIDICS  
FLY BY TUBE CONTROL  
FLY BY WIRE CONTROL  
FREQUENCY CONTROL  
FUEL CONTROL  
GROUND BASED CONTROL  
HARMONIC CONTROL  
HELICOPTER CONTROL  
HYDRAULIC CONTROL  
INTEGRATED MISSION CONTROL  
CENTER  
INTERACTIVE CONTROL  
INVENTORY CONTROLS  
JET CONTROL  
LATERAL CONTROL  
LINEAR QUADRATIC GAUSSIAN  
CONTROL  
LINEAR QUADRATIC REGULATOR  
LONGITUDINAL CONTROL  
MAGNETIC CONTROL  
MANUAL CONTROL  
MISSILE CONTROL  
MODEL REFERENCE ADAPTIVE  
CONTROL  
NETWORK CONTROL  
NUCLEAR REACTOR CONTROL  
NUMERICAL CONTROL  
OFF-ON CONTROL  
OPTIMAL CONTROL  
PAYLOAD CONTROL  
PHASE CONTROL  
PLASMA CONTROL  
PNEUMATIC CONTROL  
POINTING CONTROL SYSTEMS  
POLLUTION CONTROL  
POROUS BOUNDARY LAYER CONTROL  
PROCESS CONTROL (INDUSTRY)  
PROPORTIONAL CONTROL  
QUALITY CONTROL  
RADAR APPROACH CONTROL  
RADIO CONTROL  
∞ REACTION CONTROL  
REGULATIONS  
REGULATORS  
REGULATORY MECHANISMS (BIOLOGY)  
REMOTE CONTROL  
ROCKET ENGINE CONTROL  
SATELLITE ATTITUDE CONTROL  
SATELLITE CONTROL  
SCHEDULING  
SELF ADAPTIVE CONTROL SYSTEMS  
SEQUENTIAL CONTROL  
SERVOCONTROL  
SERVOMECHANISMS  
SHAPE CONTROL  
SHOCK WAVE CONTROL  
SPACECRAFT CONTROL  
SPECTRAL SHIFT CONTROL  
SPECTRAL SHIFT CONTROL REACTOR  
SPEED CONTROL  
STABILIZATION  
STEERING  
SUBMARINE INTEGRATED CONTROL  
PROJECT  
SYSTEMS ENGINEERING  
TABS (CONTROL SURFACES)  
TEMPERATURE CONTROL  
THERMAL CONTROL COATINGS  
THRUST CONTROL  
THRUST VECTOR CONTROL  
TIME OPTIMAL CONTROL  
TRAFFIC CONTROL  
TRAJECTORY CONTROL  
TRANSIT ATTITUDE CONTROL  
SATELLITE  
TRANSPONDER CONTROL GROUP  
TURBOJET ENGINE CONTROL  
VARIABLE STREAM CONTROL ENGINES  
VISUAL CONTROL  
VOICE CONTROL  
WAVE INCIDENCE CONTROL  
WEATHER MODIFICATION

### CONTROL BOARDS

UF CONTROL PANELS  
RT CONSOLES  
∞ CONTROL  
DISPLAY DEVICES  
MANUAL CONTROL  
REMOTE CONTROL

# CONTROLLABILITY

**CONTROL CONFIGURED VEHICLES**  
 RT AIRCRAFT CONFIGURATIONS  
 AIRCRAFT DESIGN  
 ∞ CONTROL  
 FLIGHT CONTROL  
 TECHNOLOGY UTILIZATION  
 ∞ VEHICLES

**CONTROL DATA (COMPUTERS)**  
 RT COMPUTERS  
 ∞ CONTROL  
 ∞ DATA  
 DATA SYSTEMS

**CONTROL DEVICES**  
 USE CONTROL EQUIPMENT

**CONTROL EQUIPMENT**  
 UF CONTROL DEVICES  
 EFFECTORS  
 GS **CONTROL EQUIPMENT**  
 . CONTROL STICKS  
 . CRYOSTATS  
 . PRESSURE REGULATORS  
 . PRESSURE SWITCHES  
 . SERVOAMPLIFIERS  
 . SPEED REGULATORS  
 . TELEOPERATORS  
 . THERMOSTATS  
 RT AIRCRAFT CONTROL  
 AUTOMATIC CONTROL  
 ∞ CONTROL  
 ELECTRIC CONTROL  
 ELECTRONIC CONTROL  
 FEEDBACK CONTROL  
 MANIPULATORS  
 MANUAL CONTROL  
 NONLINEAR SYSTEMS  
 OFF-ON CONTROL  
 PNEUMATIC CONTROL  
 PROPORTIONAL CONTROL  
 RECORDING INSTRUMENTS  
 SPEED CONTROL  
 TRANSDUCERS

**CONTROL MOMENT GYROSCOPES**  
 GS GYROSCOPES  
 . **CONTROL MOMENT GYROSCOPES**  
 RT ATTITUDE CONTROL  
 ATTITUDE GYROS  
 ATTITUDE INDICATORS  
 ∞ CONTROL  
 EQUATIONS OF MOTION  
 GIMBALS  
 GYRODAMPERS  
 INDICATING INSTRUMENTS  
 MEASURING INSTRUMENTS  
 NUTATION DAMPERS  
 SERVOCONTROL  
 SERVOMECHANISMS

**CONTROL PANELS**  
 USE CONTROL BOARDS

**CONTROL ROCKETS**  
 UF STEERING ROCKETS  
 GS ENGINES  
 . TORPEDO ENGINES  
 . . VERNIER ENGINES  
 . . **CONTROL ROCKETS**  
 RT ∞ CONTROL  
 RETROCKET ENGINES  
 STEERING  
 THRUST CONTROL  
 VARIABLE THRUST

**CONTROL RODS**  
 GS RODS  
 . **CONTROL RODS**  
 RT ∞ CONTROL  
 NEUTRON ABSORBERS  
 NUCLEAR REACTOR CONTROL  
 NUCLEAR REACTORS  
 POISONING (REACTION INHIBITION)  
 REACTOR CORES  
 REACTOR SAFETY

**CONTROL SIMULATION**  
 GS SIMULATION  
 . **CONTROL SIMULATION**  
 SIMULATORS  
 . **CONTROL SIMULATION**  
 RT AIRCRAFT CONTROL  
 COMPUTERIZED SIMULATION  
 ∞ CONTROL

**CONTROL SIMULATION-(CONT.)**  
 FLIGHT SIMULATION  
 FLIGHT SIMULATORS  
 MOTION SIMULATORS  
 SPACECRAFT CONTROL  
 SPACECRAFT MANEUVERS  
 TRAINING SIMULATORS

**CONTROL STABILITY**  
 GS DYNAMIC CHARACTERISTICS  
 . DYNAMIC STABILITY  
 . . **CONTROL STABILITY**  
 STABILITY  
 . DYNAMIC STABILITY  
 . . **CONTROL STABILITY**  
 RT AIRCRAFT CONTROL  
 AIRCRAFT SPIN  
 AIRCRAFT STABILITY  
 ∞ CONTROL  
 CONTROLLABILITY  
 FLIGHT CONTROL  
 MOTION STABILITY  
 NYQUIST DIAGRAM  
 PILOT INDUCED OSCILLATION  
 ROBUSTNESS (MATHEMATICS)  
 SPACECRAFT MOTION  
 SPACECRAFT STABILITY  
 STABILITY AUGMENTATION  
 SYSTEMS STABILITY

**CONTROL STICKS**  
 GS CONTROL EQUIPMENT  
 . **CONTROL STICKS**  
 RT AIRCRAFT CONTROL  
 FLIGHT CONTROL  
 MANUAL CONTROL

**CONTROL SURFACES**  
 GS **CONTROL SURFACES**  
 . AILERONS  
 . . FLAPERONS  
 . . SPOILER SLOT AILERONS  
 . ELEVATORS (CONTROL SURFACES)  
 . ELEVONS  
 . FLAPS (CONTROL SURFACES)  
 . . EXTERNALLY BLOWN FLAPS  
 . . . UPPER SURFACE BLOWN FLAPS  
 . . FLAPERONS  
 . . JET FLAPS  
 . . SPLIT FLAPS  
 . . WING FLAPS  
 . . . LEADING EDGE FLAPS  
 . . . LEADING EDGE SLATS  
 . . . TRAILING EDGE FLAPS  
 . . . VORTEX FLAPS  
 . GUIDE VANES  
 . . JET VANES  
 . HORIZONTAL TAIL SURFACES  
 . RUDDERS  
 . . AERIAL RUDDERS  
 . . MARINE RUDDERS  
 . SPOILERS  
 . . TABS (CONTROL SURFACES)  
 RT AERODYNAMIC BRAKES  
 AERODYNAMIC CONFIGURATIONS  
 AERODYNAMIC INTERFERENCE  
 AERODYNAMICS  
 AIRCRAFT PARTS  
 AIRCRAFT STRUCTURES  
 AIRFOILS  
 AIRFRAMES  
 BLUNT TRAILING EDGES  
 BOUNDARY LAYER CONTROL  
 CANARD CONFIGURATIONS  
 ∞ CONTROL  
 DRAG DEVICES  
 FINS  
 FIRES  
 FLIGHT CONTROL  
 FREE WING AIRCRAFT  
 GUIDANCE (MOTION)  
 NOSE FINS  
 STABILIZERS (FLUID DYNAMICS)  
 ∞ SURFACES  
 SWEEPBACK TAIL SURFACES  
 T TAIL SURFACES  
 TAIL ASSEMBLIES  
 TAIL SURFACES  
 TRAPEZOIDAL TAIL SURFACES  
 VANES  
 WINGS

**CONTROL SYSTEMS**  
 USE CONTROL

**CONTROL SYSTEMS DESIGN**  
 GS SYSTEMS ENGINEERING  
 . **CONTROL SYSTEMS DESIGN**  
 RT AEROSPACE SYSTEMS  
 AUTOMATIC CONTROL  
 ∞ AUTOMATION  
 BIONICS  
 BOND GRAPHS  
 ∞ CONTROL  
 CONTROL THEORY  
 CONTROLLERS  
 CYBERNETICS  
 ∞ DESIGN  
 DESIGN ANALYSIS  
 ELECTRIC CONTROL  
 ELECTRONIC CONTROL  
 FEEDBACK CONTROL  
 LINEAR QUADRATIC GAUSSIAN  
 CONTROL  
 LINEAR QUADRATIC REGULATOR  
 MATHEMATICAL MODELS  
 NUMERICAL CONTROL  
 OPERATIONS RESEARCH  
 OPTIMAL CONTROL  
 PARAMETER IDENTIFICATION  
 SYSTEM IDENTIFICATION  
 SYSTEMS ANALYSIS  
 SYSTEMS INTEGRATION

**CONTROL THEORY**  
 RT ADAPTIVE CONTROL  
 CLOSED CYCLES  
 CONTROL SIMULATION  
 CONTROL SYSTEMS DESIGN  
 CONTROLLABILITY  
 DISTRIBUTED PARAMETER SYSTEMS  
 DYNAMIC CONTROL  
 DYNAMICAL SYSTEMS  
 FEEDBACK  
 FEEDBACK CONTROL  
 FEEDFORWARD CONTROL  
 INTERACTIVE CONTROL  
 LINEAR QUADRATIC GAUSSIAN  
 CONTROL  
 LINEAR QUADRATIC REGULATOR  
 MODEL REFERENCE ADAPTIVE  
 CONTROL  
 OBSERVABILITY (SYSTEMS)  
 OFF-ON CONTROL  
 OPTIMAL CONTROL  
 ROBUSTNESS (MATHEMATICS)  
 SERVOCONTROL  
 SHAPE CONTROL  
 ∞ THEORIES  
 TRACKING PROBLEM

**CONTROL UNITS (COMPUTERS)**  
 RT CENTRAL PROCESSING UNITS  
 COMPUTER COMPONENTS  
 COMPUTERS  
 ∞ CONTROL  
 DATA PROCESSING EQUIPMENT

**CONTROL VALVES**  
 GS VALVES  
 . **CONTROL VALVES**  
 RT ACTUATORS  
 ∞ CONTROL  
 PNEUMATIC CONTROL

**CONTROLLABILITY**  
 UF HANDLING QUALITIES  
 RT AIRCRAFT CONTROL  
 AIRCRAFT LANDING  
 AIRCRAFT PERFORMANCE  
 AIRCRAFT SPECIFICATIONS  
 AIRCRAFT SPIN  
 AIRCRAFT STABILITY  
 ∞ CONTROL  
 CONTROL STABILITY  
 CONTROL THEORY  
 DIRECTIONAL STABILITY  
 FLIGHT CHARACTERISTICS  
 HELICOPTER CONTROL  
 HELICOPTER PERFORMANCE  
 LIQUID SLOSHING  
 LOW SPEED STABILITY  
 MANEUVERABILITY  
 QUALITY  
 SPACECRAFT RELIABILITY  
 STABILITY  
 STEERING  
 WHEEL BRAKES

## CONTROLLED ATMOSPHERES

### CONTROLLED ATMOSPHERES

- GS **CONTROLLED ATMOSPHERES**
  - . ARGON-OXYGEN ATMOSPHERES
  - . CABIN ATMOSPHERES
  - . SPACECRAFT CABIN ATMOSPHERES
  - . HELIUM-OXYGEN ATMOSPHERES
  - . INERT ATMOSPHERE
- RT AIR CONDITIONING
  - ∞ ATMOSPHERES
  - ∞ BLANKETS
  - ∞ CLEAN ROOMS
  - ∞ CONTROL
  - ENVIRONMENTS
  - FURNACES
  - GAS MIXTURES
  - GNOTOBIOTICS
  - OXYGEN SUPPLY EQUIPMENT
  - SPACECRAFT ENVIRONMENTS

### CONTROLLED AVALANCHE TRANSIT TIME DEVICES

- USE CATT DEVICES

### CONTROLLED FUSION

- SN (CONTROLLED NUCLEAR FUSION)
- GS NUCLEAR REACTIONS
  - . THERMONUCLEAR REACTIONS
  - . NUCLEAR FUSION
- RT **CONTROLLED FUSION**
  - ∞ CONTROL
  - JOINT EUROPEAN TORUS
  - LIMITERS (FUSION REACTORS)
  - PLASMA COMPRESSION
  - PLASMA COOLING
  - PLASMA CURRENTS
  - PLASMA PHYSICS
  - RELATIVISTIC ELECTRON BEAMS
  - STRONGLY COUPLED PLASMAS
  - THERMONUCLEAR POWER GENERATION
  - ZETA PINCH

### CONTROLLED STABILITY

- USE CONTROL

### CONTROLLERS

- SN (LIMITED TO DEVICES AND CONTROL THEORY)
- GS **CONTROLLERS**
  - . POWER FACTOR CONTROLLERS
  - . SERVOMECHANISMS
  - . SERVOAMPLIFIERS
  - . SERVOMOTORS
- RT ACTUATORS
  - ANALYZERS
  - AUTOMATIC CONTROL
  - ∞ AUTOMATION
  - ∞ CONTROL
  - CONTROL SYSTEMS DESIGN
  - CRYOSTATS
  - CURRENT REGULATORS
  - CYBERNETICS
  - ELECTRONIC CONTROL
  - INSTRUMENT RECEIVERS
  - INSTRUMENT TRANSMITTERS
  - ∞ INSTRUMENTS
  - LINEAR QUADRATIC REGULATOR
  - MEASURING INSTRUMENTS
  - PNEUMATIC CONTROL
  - PRESSURE REGULATORS
  - PROPELLANT ACTUATED INSTRUMENTS
  - REGULATORS
  - REMOTE CONTROL
  - ROCKET-BORNE INSTRUMENTS
  - SPEED CONTROL
  - SPEED REGULATORS
  - TEMPERATURE CONTROL
  - THERMOSTATS
  - VOLTAGE REGULATORS

### CONVAIR MILITARY AIRCRAFT

- USE GENERAL DYNAMICS AIRCRAFT
- MILITARY AIRCRAFT

### CONVAIR 340 AIRCRAFT

- USE CV-340 AIRCRAFT

### CONVAIR 440 AIRCRAFT

- USE CV-440 AIRCRAFT

### CONVAIR 880 AIRCRAFT

- USE CV-880 AIRCRAFT

### CONVAIR 990 AIRCRAFT

- USE CV-990 AIRCRAFT

### CONVECTION

- GS **CONVECTION**
  - . FORCED CONVECTION
  - . FREE CONVECTION
  - . RAYLEIGH-BENARD CONVECTION
  - . . . BENARD CELLS
  - . MARANGONI CONVECTION
- RT ADVECTION
  - BASE HEATING
  - BOUSSINESQ APPROXIMATION
  - ∞ CONDUCTION
  - FLUID DYNAMICS
  - GRASHOF NUMBER
  - HEAT TRANSMISSION
  - HEATING
  - METEOROLOGY
  - MIXING HEIGHT
  - STELLAR INTERIORS

### CONVECTION CLOUDS

- GS CLOUDS (METEOROLOGY)
  - . **CONVECTION CLOUDS**
    - . . . ARC CLOUDS
    - . . . CUMULONIMBUS CLOUDS
    - . . . ANVIL CLOUDS
    - . . . CUMULUS CLOUDS
    - . . . ANVIL CLOUDS
- RT AIR CURRENTS
  - CLOUD PHYSICS
  - METEOROLOGY
  - NEPHANALYSIS
  - SUPERCOOLING
  - VERTICAL AIR CURRENTS

### CONVECTION CURRENTS

- RT AIR CURRENTS
  - BENARD CELLS
  - ELECTRON BUNCHING
  - FLUID FLOW
  - FREE CONVECTION
  - MIXING HEIGHT
  - RAYLEIGH-BENARD CONVECTION
  - SOLAR GRANULATION
  - VERTICAL AIR CURRENTS

### CONVECTIVE FLOW

- UF THERMAL CURRENTS
- GS FLUID FLOW
  - . **CONVECTIVE FLOW**
    - . . . RAYLEIGH-BENARD CONVECTION
    - . . . BENARD CELLS
- RT FREE CONVECTION
  - GAS DENSITY
  - GEOPHYSICAL FLUID FLOW CELLS
  - HEAT TRANSMISSION
  - MARANGONI CONVECTION
  - MASS FLOW RATE
  - MASS TRANSFER
  - POROUS BOUNDARY LAYER CONTROL
  - TEMPERATURE
  - THERMAL DIFFUSION

### CONVECTIVE HEAT TRANSFER

- GS TRANSMISSION
  - . HEAT TRANSMISSION
  - . . . HEAT TRANSFER
  - . . . **CONVECTIVE HEAT TRANSFER**
- RT AERODYNAMIC HEATING
  - BOUNDARY LAYER COMBUSTION
  - BOUNDARY LAYER FLOW
  - CONDUCTIVE HEAT TRANSFER
  - COOLING FINs
  - FORCED CONVECTION
  - FREE CONVECTION
  - LAMINAR HEAT TRANSFER
  - MASS TRANSFER
  - NUSSELT NUMBER
  - RADIATIVE HEAT TRANSFER
  - RAYLEIGH-BENARD CONVECTION
  - SURFACE COOLING
  - TEMPERATURE GRADIENTS
  - THERMOHYDRAULICS
  - THERMOSIPHONS
  - TURBULENT HEAT TRANSFER

### CONVENTIONS

- RT AGREEMENTS
  - AIR LAW
  - COMPATIBILITY
  - CONFERENCES
  - ∞ COOPERATION
  - INTERNATIONAL COOPERATION
  - INTERNATIONAL LAW
  - OUTER SPACE TREATY
  - STANDARDS

### CONVERGENCE

- UF CONFLUENCE
- RT DIVERGENCE
  - PATCH TESTS
  - TAPERING
  - VARIABILITY

### CONVERGENT NOZZLES

- RT CONICAL NOZZLES
  - FLUID AMPLIFIERS
  - NOZZLE GEOMETRY
  - NOZZLE WALLS
  - ∞ NOZZLES
  - TURBINE ENGINES
  - TURBOJET ENGINES

### CONVERGENT-DIVERGENT NOZZLES

- UF DE LAVAL NOZZLES
- GS EXHAUST NOZZLES
  - . **CONVERGENT-DIVERGENT NOZZLES**
- RT CONICAL NOZZLES
  - NOZZLE GEOMETRY
  - NOZZLE INSERTS
  - ∞ NOZZLES
  - ROCKET NOZZLES
  - SUPERSONIC NOZZLES
  - TRANSONIC NOZZLES
  - TURBINE EXHAUST NOZZLES
  - WIND TUNNEL NOZZLES

### CONVERSATION

- GS COMMUNICATING
  - . VERBAL COMMUNICATION
  - . . . **CONVERSATION**
  - . . . SPEECH
  - . . . **CONVERSATION**
- RT VOICE COMMUNICATION
  - WORDS (LANGUAGE)

### CONVERSION

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT BIOCONVERSION
  - CONVERSION TABLES
  - DATA CONVERSION ROUTINES
  - ELECTRIC GENERATORS
  - ENERGY CONVERSION
  - ENERGY CONVERSION EFFICIENCY
  - EXCHANGING
  - FREQUENCY CONVERTERS
  - GEOHERMAL ENERGY CONVERSION
  - INTERNAL CONVERSION
  - ISOMERIZATION
  - LIQUEFACTION
  - METRICATION
  - OCEAN THERMAL ENERGY CONVERSION
  - ORGANIC WASTES (FUEL CONVERSION)
  - ORTHO PARA CONVERSION
  - PHOTOTHERMAL CONVERSION
  - PHOTOVOLTAIC CONVERSION
  - REFINING
  - SATELLITE SOLAR ENERGY
  - CONVERSION
  - SOLAR ENERGY CONVERSION
  - SOLAR TOTAL ENERGY SYSTEMS
  - THERMIONIC POWER GENERATION
  - THERMOELECTRIC POWER GENERATION
  - TURBOGENERATORS
  - WATERWAVE ENERGY CONVERSION

### CONVERSION TABLES

- GS TABLES (DATA)
  - . **CONVERSION TABLES**
- RT ∞ CONVERSION
  - DATA CONVERTERS
  - INTERNATIONAL SYSTEM OF UNITS
  - UNITS OF MEASUREMENT

### CONVERTAPLANES

- USE V/STOL AIRCRAFT

### CONVERTERS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT ANALOG TO DIGITAL CONVERTERS
  - BINARY TO DECIMAL CONVERTERS
  - CURRENT CONVERTERS (AC TO DC)
  - DATA CONVERTERS
  - DIGITAL TO ANALOG CONVERTERS
  - DIRECT POWER GENERATORS
  - DOWN-CONVERTERS
  - ELECTRIC GENERATORS
  - FREQUENCY CONVERTERS

**CONVERTERS-(CONT.)**

IMAGE CONVERTERS  
 INSTRUMENT TRANSFORMERS  
 INVERTED CONVERTERS (DC TO AC)  
 PARAMETRIC FREQUENCY CONVERTERS  
 POWER CONVERTERS  
 PULSE WIDTH AMPLITUDE CONVERTERS  
 PYROMETALLURGY  
 SOLAR BLANKETS  
 THERMIONIC CONVERTERS  
 TORQUE CONVERTERS  
 TRANSDUCERS  
 TRANSFORMERS  
 UP-CONVERTERS  
 VOLTAGE CONVERTERS (AC TO AC)  
 VOLTAGE CONVERTERS (DC TO DC)

**CONVERTIBLE FAN-SHAFT ENGINES**

GS AIRCRAFT ENGINES  
 . **CONVERTIBLE FAN-SHAFT ENGINES**  
 RT HELICOPTER ENGINES  
 JET THRUST  
 PROPULSION SYSTEM CONFIGURATIONS  
 ROTARY WINGS  
 TF-34 ENGINE  
 TURBOSHAFTS  
 VERTICAL TAKEOFF AIRCRAFT

**CONVEXITY**

GS SHAPES  
 . **CONVEXITY**  
 RT CONCAVITY  
 CONTOUR SENSORS  
 CONTOURS  
 FLATNESS  
 LENTICULAR BODIES  
 ∞ SURFACE GEOMETRY

**CONVEYORS**

RT AUTOMATED GUIDEWAY TRANSIT  
 VEHICLES  
 AUTOMATED TRANSIT VEHICLES  
 CHUTES  
 CRANES  
 ELEVATORS (LIFTS)  
 FEEDERS  
 FORKS  
 ∞ LIFTS  
 MATERIALS HANDLING  
 RIBBONS  
 ROLLERS  
 SCOOPS  
 ∞ TRACKS  
 TRANSPORTATION

**CONVOLUTION INTEGRALS**

UF CONVOLUTIONS (MATHEMATICS)  
 GS ANALYSIS (MATHEMATICS)  
 . FUNCTIONAL ANALYSIS  
 . **CONVOLUTION INTEGRALS**  
 INTEGRALS  
 . **CONVOLUTION INTEGRALS**  
 RT INTEGRAL TRANSFORMATIONS

**CONVOLUTIONS (MATHEMATICS)**

USE CONVOLUTION INTEGRALS

**CONVULSIONS**

RT HUMAN PATHOLOGY  
 MUSCLES  
 PSYCHOTHERAPY  
 SEIZURES  
 ∞ SHOCK

**COOK INLET (AK)**

GS LANDFORMS  
 . INLETS (TOPOGRAPHY)  
 . **COOK INLET (AK)**  
 RT ALASKA

**COOKPOT AIRCRAFT**

USE TU-124 AIRCRAFT

**COOL STARS**

GS CELESTIAL BODIES  
 . STARS  
 . . LATE STARS  
 . . **COOL STARS**  
 . . . CARBON STARS  
 . . . FLARE STARS  
 . . . K STARS  
 . . . M STARS  
 . . . VAN BIESBROECK STAR  
 . . . MIRA VARIABLES

**COOL STARS-(CONT.)**

. . . . . OMICRON CETI STAR  
 . . . . . S STARS  
 RT GIANT STARS  
 R CORONAE BOREALIS STARS  
 STELLAR ATMOSPHERES  
 STELLAR ENVELOPES  
 STELLAR SPECTRA  
 STELLAR TEMPERATURE

**COOLANT LOSS**

USE LOSS OF COOLANT

**COOLANTS**

GS **COOLANTS**  
 . ENGINE COOLANTS  
 . ORGANIC COOLANTS  
 RT AIR CONDITIONING  
 AIR COOLING  
 BRINES  
 COOLERS  
 COOLING  
 COOLING SYSTEMS  
 FREON  
 GAS COOLING  
 HEAT EXCHANGERS  
 LIQUID COOLING  
 LOSS OF COOLANT  
 NUCLEAR REACTORS  
 REACTOR MATERIALS  
 REFRIGERANTS  
 SODIUM COOLING

**COOLERS**

RT AIR CONDITIONING  
 AIR CONDITIONING EQUIPMENT  
 AIR COOLING  
 COMPRESSORS  
 COOLANTS  
 COOLING  
 COOLING SYSTEMS  
 CRYOGENIC COOLING  
 REFRIGERATING  
 REFRIGERATING MACHINERY  
 REFRIGERATORS

**COOLING**

UF CHILLING  
 HEAT DISSIPATION  
 HEAT DISSIPATION CHILLING  
 GS **COOLING**  
 . ABSORPTION COOLING  
 . AIR COOLING  
 . EVAPORATIVE COOLING  
 . . FILM COOLING  
 . . SWEAT COOLING  
 . . GAS COOLING  
 . . LIQUID COOLING  
 . . FILM COOLING  
 . . MAGNETIC COOLING  
 . . PLASMA COOLING  
 . . PRECOOLING  
 . . QUENCHING (COOLING)  
 . . RADIANT COOLING  
 . . REGENERATIVE COOLING  
 . . SODIUM COOLING  
 . . SOLAR COOLING  
 . . SOLID CRYOGEN COOLING  
 . . SPACE COOLING (BUILDINGS)  
 . . SUPERCOOLING  
 . . CRYOGENIC COOLING  
 . . SURFACE COOLING  
 . . THERMOELECTRIC COOLING  
 . . THERMOMAGNETIC COOLING

RT ABLATION  
 ABLATIVE MATERIALS  
 AIR CONDITIONING  
 BATHING  
 CONDENSING  
 CONTRACTION  
 COOLANTS  
 COOLERS  
 COOLING FLOWS (ASTROPHYSICS)  
 CRYOGENICS  
 ENGINE COOLANTS  
 FILM CONDENSATION  
 FREEZING  
 FREON  
 GEOTHERMAL ENERGY UTILIZATION  
 HEAT EXCHANGERS  
 HEAT RADIATORS  
 HEAT SHIELDING  
 HEAT TRANSFER  
 HEATING  
 HILSCH TUBES

**COOLING-(CONT.)**

JACKETS  
 LOW TEMPERATURE  
 MELTING  
 MUSHY ZONES  
 REFRIGERATING  
 REUSABLE HEAT SHIELDING  
 SPACECRAFT RADIATORS  
 TEMPERATURE CONTROL  
 TEMPERATURE DISTRIBUTION  
 THERMAL CYCLING TESTS  
 THERMAL SHOCK  
 THERMAL STRESSES  
 TRANSPIRATION  
 VENTILATION  
 VENTILATION FANS  
 VENTING  
 WETTING

**COOLING FINS**

GS FINS  
 . **COOLING FINS**  
 RT CONDENSERS (LIQUEFIERS)  
 CONVECTIVE HEAT TRANSFER  
 FINNED BODIES  
 HEAT EXCHANGERS  
 HEAT RADIATORS  
 RADIATIVE HEAT TRANSFER

**COOLING FLOWS (ASTROPHYSICS)**

GS FLUID FLOW  
 . GAS FLOW  
 . **COOLING FLOWS (ASTROPHYSICS)**  
 RT ACCRETION DISKS  
 COOLING  
 COSMIC GASES  
 DARK MATTER  
 GALACTIC CLUSTERS  
 GALACTIC EVOLUTION  
 INTERGALACTIC MEDIA  
 INTERSTELLAR GAS  
 STAR FORMATION  
 X RAY SOURCES

**COOLING SYSTEMS**

RT ABSORBERS (EQUIPMENT)  
 AIR CONDITIONING  
 AIR CONDITIONING EQUIPMENT  
 AIR COOLING  
 AIR FILTERS  
 BLOWERS  
 CLOSED CYCLES  
 CONDENSERS (LIQUEFIERS)  
 COOLANTS  
 COOLERS  
 DEHUMIDIFICATION  
 ENGINE COOLANTS  
 ETTINGSHAUSEN EFFECT  
 EVAPORATIVE COOLING  
 EVAPORATORS  
 EXHAUST SYSTEMS  
 FREON  
 HEAT EXCHANGERS  
 HEAT PUMPS  
 HEAT RADIATORS  
 HEAT SINKS  
 INFRARED SUPPRESSION  
 INTAKE SYSTEMS  
 LIQUID COOLING  
 LUBRICATION SYSTEMS  
 REFRIGERANTS  
 REFRIGERATING  
 REFRIGERATING MACHINERY  
 REGISTERS (AIR CIRCULATION)  
 SOLAR COOLING  
 SOLID CRYOGENS  
 SPACE COOLING (BUILDINGS)  
 SPACECRAFT RADIATORS  
 ∞ SYSTEMS  
 TEMPERATURE CONTROL  
 TEMPERATURE DISTRIBUTION  
 TRANSPIRATION  
 VENTILATION  
 VENTILATION FANS  
 VENTS

**∞ COOPERATION**

SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)  
 RT CONVENTIONS  
 EMPLOYEE RELATIONS  
 INTERNATIONAL COOPERATION  
 PUBLIC RELATIONS  
 SEA LAW

## COORDINATE GEOMETRY LANGUAGE

**COORDINATE GEOMETRY LANGUAGE**  
USE COGO (PROGRAMMING LANGUAGE)

**COORDINATE SYSTEMS**  
USE COORDINATES

**COORDINATE TRANSFORMATIONS**  
GS FUNCTIONS (MATHEMATICS)  
    . **COORDINATE TRANSFORMATIONS**  
    TRANSFORMATIONS (MATHEMATICS)  
    . **COORDINATE TRANSFORMATIONS**  
RT CONFORMAL MAPPING  
    INVARIANT IMBEDDINGS  
    ISOPARAMETRIC FINITE ELEMENTS  
    ISOTROPIC TURBULENCE  
    JOUKOWSKI TRANSFORMATION  
    SCHWARZSCHILD METRIC  
    THEODORSEN TRANSFORMATION

### COORDINATES

UF AXES (COORDINATES)  
    COORDINATE SYSTEMS  
GS **COORDINATES**  
    . ASTRONOMICAL COORDINATES  
    . CARTESIAN COORDINATES  
    . CYLINDRICAL COORDINATES  
    . GEODETIC COORDINATES  
    . HYLLERAAS COORDINATES  
    . HYPERBOLIC COORDINATES  
    . INERTIAL COORDINATES  
    . LAGRANGE COORDINATES  
    . OBLIQUE COORDINATES  
    . PLANETOCENTRIC COORDINATES  
    . . GEOCENTRIC COORDINATES  
    . POLAR COORDINATES  
    . SPHERICAL COORDINATES  
RT ALGEBRA  
    ANALYTIC GEOMETRY  
    AXES (REFERENCE LINES)  
    CELESTIAL REFERENCE SYSTEMS  
    COMPUTATIONAL GRIDS  
    EARTH AXIS  
    EQUATORS  
    EUCLIDEAN GEOMETRY  
    FRACTALS  
    FUJITA METHOD  
    GEOMAGNETIC LATITUDE  
    GEOMETRY  
    . GRIDS  
    . HALF PLANES  
    . HALF SPACES  
    . LATITUDE  
    . LINE OF SIGHT  
    . LONGITUDE  
    . MANIFOLDS (MATHEMATICS)  
    . MAPS  
    . ORIGINS  
    . POSITION (LOCATION)  
    . REFERENCE SYSTEMS

### COORDINATION

RT CONTINUITY  
    CORRELATION  
    INTERFACES  
    SEQUENCING  
    TIME SHARING

### COORDINATION POLYMERS

RT . POLYMERS

### COPERNICUS SPACECRAFT

USE OAO 3

### COPILOTS

USE AIRCRAFT PILOTS

### COPLANARITY

GS ANALYSIS (MATHEMATICS)  
    . CALCULUS  
    . . VECTOR ANALYSIS  
    . . . **COPLANARITY**  
    . REAL VARIABLES  
    . . VECTOR ANALYSIS  
    . . . **COPLANARITY**  
    GEOMETRY  
    . VECTOR ANALYSIS  
    . . **COPLANARITY**

### COPOLYMERIZATION

GS CHEMICAL REACTIONS  
    . **COPOLYMERIZATION**  
    SYNTHESIS (CHEMISTRY)  
    . POLYMERIZATION  
    . . **COPOLYMERIZATION**

### COPOLYMERIZATION-(CONT.)

RT DIMERIZATION  
    . POLYMERS  
    . VINYL COPOLYMERS

### COPOLYMERS

GS **COPOLYMERS**  
    . VINYL COPOLYMERS  
    . VITON RUBBER (TRADEMARK)  
RT KEL-F  
    . POLYMERS

### COPPER

GS CHEMICAL ELEMENTS  
    . **COPPER**  
    . . COPPER ISOTOPES  
RT AMMINES  
    CONSTANTAN  
    SELENIUM ALLOYS

### COPPER ALLOYS

GS ALLOYS  
    . **COPPER ALLOYS**  
    . . BABBITT METAL  
    . . BRASSES  
    . . BRONZES  
    . . MANGANIN (TRADEMARK)  
RT BEARING ALLOYS  
    GOLD ALLOYS  
    LAMELLA (METALLURGY)  
    LITHIUM ALLOYS

### COPPER CHLORIDES

GS COPPER COMPOUNDS  
    . **COPPER CHLORIDES**  
    HALOGEN COMPOUNDS  
    . CHLORINE COMPOUNDS  
    . . CHLORIDES  
    . . . **COPPER CHLORIDES**  
    . HALIDES  
    . . CHLORIDES  
    . . . **COPPER CHLORIDES**  
    . METAL HALIDES  
    . . . **COPPER CHLORIDES**

### COPPER COMPOUNDS

GS **COPPER COMPOUNDS**  
    . COPPER CHLORIDES  
    . COPPER FLUORIDES  
    . COPPER OXIDES  
    . COPPER SELENIDES  
    . COPPER SULFIDES  
    . . ENARGITE  
RT . CHEMICAL COMPOUNDS  
    . GROUP 18 COMPOUNDS  
    . METAL COMPOUNDS

### COPPER FLUORIDES

GS COPPER COMPOUNDS  
    . **COPPER FLUORIDES**  
    HALOGEN COMPOUNDS  
    . FLUORINE COMPOUNDS  
    . . FLUORIDES  
    . . . METAL FLUORIDES  
    . . . . **COPPER FLUORIDES**

### COPPER ISOTOPES

GS CHEMICAL ELEMENTS  
    . COPPER  
    . . **COPPER ISOTOPES**  
    METALS  
    . **COPPER ISOTOPES**

### COPPER OXIDES

GS CHALCOGENIDES  
    . OXIDES  
    . . METAL OXIDES  
    . . . **COPPER OXIDES**  
    COPPER COMPOUNDS  
    . **COPPER OXIDES**  
RT THERMITES

### COPPER SELENIDES

GS CHALCOGENIDES  
    . SELENIDES  
    . . **COPPER SELENIDES**  
    COPPER COMPOUNDS  
    . **COPPER SELENIDES**  
    SELENIUM COMPOUNDS  
    . SELENIDES  
    . . **COPPER SELENIDES**

### COPPER SULFIDES

GS CHALCOGENIDES

### COPPER SULFIDES-(CONT.)

. SULFIDES  
    . . INORGANIC SULFIDES  
    . . . **COPPER SULFIDES**  
    . . . ENARGITE  
COPPER COMPOUNDS  
    . **COPPER SULFIDES**  
    . . ENARGITE  
SULFUR COMPOUNDS  
    . SULFIDES  
    . . INORGANIC SULFIDES  
    . . . **COPPER SULFIDES**  
    . . . ENARGITE

### COPYRIGHTS

RT DOCUMENTS  
    LICENSING  
    PATENT APPLICATIONS  
    POLICIES  
    REGULATIONS

### CORAL HEADS

USE CORAL REEFS

### CORAL REEFS

UF ATOLL REEFS  
    CORAL HEADS  
RT ATOLLS  
    COASTS  
    ISLANDS  
    KEYS (ISLANDS)  
    REEFS

### CORDAGE

RT CABLES (ROPES)  
    CERAMIC FIBERS  
    CONNECTORS  
    COTTON  
    FIBERS  
    . FILAMENTS  
    . STRANDS  
    . STRINGS  
    . WIRE  
    . YARNS

### CORDIERITE

GS ALUMINUM COMPOUNDS  
    . **CORDIERITE**  
    IRON COMPOUNDS  
    . **CORDIERITE**  
    MAGNESIUM COMPOUNDS  
    . **CORDIERITE**  
    MINERALS  
    . **CORDIERITE**  
    SILICON COMPOUNDS  
    . SILICATES  
    . . **CORDIERITE**

### CORDITE

USE COLLOIDAL PROPELLANTS  
    DOUBLE BASE PROPELLANTS

### CORE FLOW

GS FLUID FLOW  
    . **CORE FLOW**  
RT FLOW GEOMETRY  
    MAGNETOHYDRODYNAMIC FLOW  
    ONE DIMENSIONAL FLOW  
    PLASMAS (PHYSICS)  
    SHEAR FLOW

### CORE SAMPLING

GS SAMPLING  
    . **CORE SAMPLING**  
RT CORES  
    DEPTH MEASUREMENT  
    DRILLING  
    EARTH CRUST  
    HYDROGEOLOGY  
    MINES (EXCAVATIONS)  
    OCEAN BOTTOM  
    OCEAN CURRENTS  
    OCEANOGRAPHY  
    PARTICLE TRACKS  
    SALINITY  
    SAMPLERS

### CORE STORAGE

UF MACHINE STORAGE  
GS COMPUTER STORAGE DEVICES  
    . RANDOM ACCESS MEMORY  
    . . **CORE STORAGE**  
    MAGNETIC STORAGE  
    . **CORE STORAGE**

**CORE STORAGE-(CONT.)**

RT BUBBLE MEMORY DEVICES  
 BUFFER STORAGE  
 DATA STORAGE  
 MAGNETIC DISKS  
 MAGNETIC DRUMS  
 ∞ STORAGE

**CORES**

GS **CORES**  
 . HONEYCOMB CORES  
 . LUNAR CORE  
 . MAGNETIC CORES  
 . PLANETARY CORES  
 . . EARTH CORE  
 . REACTOR CORES  
 . STELLAR CORES  
 RT ∞ CELLS  
 CORE SAMPLING  
 MANDRELS  
 MOLDING MATERIALS

**CORIOLIS EFFECT**

RT DISORIENTATION  
 ∞ EFFECTS  
 METEOROLOGY  
 PLANETARY WAVES  
 ROTATING ENVIRONMENTS  
 ROTATION  
 VESTIBULAR TESTS

**CORK (MATERIALS)**

GS WOOD  
 . **CORK (MATERIALS)**  
 RT ∞ MATERIALS  
 ORGANIC MATERIALS  
 THERMAL INSULATION

**CORN**

GS FARM CROPS  
 . GRAINS (FOOD)  
 . **CORN**  
 PLANTS (BOTANY)  
 . **CORN**  
 RT AGRICULTURE  
 BLIGHT  
 BOLLWORMS  
 BOTANY  
 CROP GROWTH  
 ∞ CROPS  
 CURING  
 EARTH RESOURCES  
 ∞ FOOD  
 IRRIGATION  
 SEEDS

**CORNEA**

GS ANATOMY  
 . SENSE ORGANS  
 . . EYE (ANATOMY)  
 . . **CORNEA**  
 RT KERATITIS  
 VISION

**CORNER FLOW**

GS FLUID FLOW  
 . **CORNER FLOW**  
 RT CHANNEL FLOW  
 DUCTED FLOW  
 ∞ FLOW  
 NOZZLE FLOW  
 SECONDARY FLOW

**CORNERS**

RT ANGLES (GEOMETRY)  
 ANTENNAS  
 JOINTS (JUNCTIONS)  
 SHAPES

**CORONA BOREALIS CONSTELLATION**

GS CONSTELLATIONS  
 . **CORONA BOREALIS CONSTELLATION**  
 RT CELESTIAL BODIES  
 CELESTIAL SPHERE  
 STARS

**CORONA DISCHARGES**

USE ELECTRIC CORONA

**CORONAGRAPHS**

RT ASTRONOMICAL PHOTOGRAPHY  
 SOLAR OBSERVATORIES  
 SPECTROHELIOGRAPHS  
 STARSAT TELESCOPE

**CORONAGRAPHS-(CONT.)**

TELESCOPES

**CORONAL HOLES**

GS CORONAS  
 . STELLAR CORONAS  
 . . SOLAR CORONA  
 . . **CORONAL HOLES**  
 RT DECA-METRIC WAVES  
 ∞ HOLES  
 RADIO ASTRONOMY  
 SOLAR RADIO EMISSION  
 SOLAR WIND  
 SOLAR X-RAYS  
 STELLAR STRUCTURE  
 ULTRAVIOLET RADIATION

**CORONAL LOOPS**

GS CORONAS  
 . STELLAR CORONAS  
 . . SOLAR CORONA  
 . . **CORONAL LOOPS**  
 RT CHROMOSPHERE  
 SOLAR FLARES  
 SOLAR LIMB

**CORONARY ARTERY DISEASE**

GS DISEASES  
 . HEART DISEASES  
 . . **CORONARY ARTERY DISEASE**  
 RT ANGINA PECTORIS  
 ARTERIOSCLEROSIS  
 MYOCARDIAL INFARCTION

**CORONARY CIRCULATION**

GS CIRCULATION  
 . BLOOD CIRCULATION  
 . . **CORONARY CIRCULATION**  
 RT HEART  
 HEART VALVES

**CORONAS**

GS **CORONAS**  
 . ELECTRIC CORONA  
 . STELLAR CORONAS  
 . . SOLAR CORONA  
 . . . CORONAL HOLES  
 . . . CORONAL LOOPS  
 RT ELECTRIC ARCS  
 ELECTRIC DISCHARGES  
 HALOS  
 IONIZATION  
 SOLAR SPECTRA

**COROTATION**

GS GYRATION  
 . ROTATION  
 . **COROTATION**  
 RT ASTRONOMICAL MODELS  
 EARTH MAGNETOSPHERE  
 GALACTIC ROTATION  
 GALACTIC STRUCTURE  
 SPIRAL GALAXIES  
 STELLAR MOTIONS  
 STELLAR ROTATION

**CORPORAL MISSILE**

GS MISSILES  
 . SURFACE TO SURFACE MISSILES  
 . **CORPORAL MISSILE**  
 RT LIQUID PROPELLANT ROCKET ENGINES

**CORPUSCLES (BLOOD)**

USE BLOOD CELLS

**CORPUSCULAR RADIATION**

SN (LIMITED TO NONELECTROMAGNETIC  
 RADIATION CONSISTING OF ENERGETIC  
 CHARGED OR NEUTRAL PARTICLES)  
 PENETRATING PARTICLES  
 PARTICLES  
 GS **CORPUSCULAR RADIATION**  
 . ELECTRON PRECIPITATION  
 . ELECTRON RADIATION  
 . . BETA PARTICLES  
 . . ELECTRON BEAMS  
 . . . RELATIVISTIC ELECTRON BEAMS  
 . . PRIMARY COSMIC RAYS  
 . . . SOLAR COSMIC RAYS  
 . . RADIATION BELTS  
 . . SOLAR CORPUSCULAR RADIATION  
 . . . SOLAR ELECTRONS  
 . . . SOLAR NEUTRONS  
 . . . SOLAR PROTONS

**CORPUSCULAR RADIATION-(CONT.)**

RT ALPHA PARTICLES  
 ATMOSPHERIC RADIATION  
 BACKGROUND RADIATION  
 BEAMS (RADIATION)  
 CERENKOV RADIATION  
 CHARGED PARTICLES  
 COHERENT RADIATION  
 CONTINUOUS RADIATION  
 COSMIC RAYS  
 ELECTROMAGNETIC RADIATION  
 EXTRATERRESTRIAL RADIATION  
 FLUX (RATE)  
 GALACTIC RADIATION  
 INCIDENT RADIATION  
 INTERSTELLAR RADIATION  
 IONIZING RADIATION  
 IONS  
 MESONS  
 NEUTRONS  
 NUCLEAR PARTICLES  
 NUCLEAR RADIATION  
 NUCLEI (NUCLEAR PHYSICS)  
 PARTICLE PRODUCTION  
 PHONON BEAMS  
 PULSED RADIATION  
 ∞ RADIATION  
 RADIATION DISTRIBUTION  
 RADIATION PRESSURE  
 RADIATION SOURCES  
 ∞ RAYS  
 REFLECTED WAVES  
 REFRACTED WAVES  
 SOLAR RADIATION  
 SOLAR TERRESTRIAL INTERACTIONS  
 STRATOSPHERE RADIATION

**CORRECTION**

GS **CORRECTION**  
 . ATMOSPHERIC CORRECTION  
 . OPTICAL CORRECTION PROCEDURE  
 RT ACCOMMODATION  
 ACCURACY  
 ADAPTATION  
 ADJUSTING  
 ALIGNMENT  
 ERROR CORRECTING DEVICES  
 ERRORS  
 IMPROVEMENT  
 INFORMATION THEORY  
 PARITY  
 REDUNDANCY  
 REVISIONS  
 VEGETATIVE INDEX

**CORRELATION**

UF CORRELATION FUNCTIONS  
 GS **CORRELATION**  
 . ANGULAR CORRELATION  
 . AUTOCORRELATION  
 . CORRELATION COEFFICIENTS  
 . CORRELATION DETECTION  
 . CROSS CORRELATION  
 . DATA CORRELATION  
 . SPECTRAL CORRELATION  
 . STATISTICAL CORRELATION  
 RT BIVARIATE ANALYSIS  
 COLLATING  
 CONFIDENCE  
 CONTINGENCY  
 COORDINATION  
 COVARIANCE  
 ∞ ESTIMATORS  
 EVALUATION  
 FACTOR ANALYSIS  
 FORECASTING  
 INFORMATION THEORY  
 LEAST SQUARES METHOD  
 MULTIVARIATE STATISTICAL ANALYSIS  
 OPTIMIZATION  
 PROBABILITY THEORY  
 QUALITY CONTROL  
 REGRESSION ANALYSIS  
 REGRESSION COEFFICIENTS  
 SIGNIFICANCE  
 STATISTICAL ANALYSIS  
 TELECONNECTIONS (METEOROLOGY)  
 TIME SERIES ANALYSIS  
 VALIDITY  
 VARIABILITY  
 VARIANCE (STATISTICS)

**CORRELATION COEFFICIENTS**

GS COEFFICIENTS  
 . **CORRELATION COEFFICIENTS**



## CORRELATION DETECTION

### CORRELATION COEFFICIENTS-(CONT.)

- CORRELATION
  - . CORRELATION COEFFICIENTS
  - STATISTICAL ANALYSIS
  - . CORRELATION COEFFICIENTS
- RT
  - QUALITY CONTROL
  - STATISTICAL CORRELATION

### CORRELATION DETECTION

- GS
  - CORRELATION
    - . CORRELATION DETECTION
    - DETECTION
    - . SIGNAL DETECTION
    - . CORRELATION DETECTION
- RT
  - ∞ DETECTORS
  - ELECTROMAGNETIC WAVE FILTERS
  - PHASE LOCK DEMODULATORS
  - SIGNAL TO NOISE RATIOS

### CORRELATION FUNCTIONS

- USE CORRELATION

### CORRELATORS

- SN (LIMITED TO DEVICES THAT DETECT WEAK SIGNALS IN NOISE BY PERFORMING AN ELECTRONIC OPERATION)
- UF SYNCHRONOUS DETECTORS
- GS CORRELATORS
  - . IMAGE CORRELATORS
- RT SYNCHROSCOPES

### CORRIDORS

- GS CORRIDORS
  - . GREAT PLAINS CORRIDOR (NORTH AMERICA)
  - . ST LOUIS-KANSAS CITY CORRIDOR (MO)
- RT PASSAGEWAYS

### CORROSION

- UF METAL CORROSION
- GS CORROSION
  - . CAVITATION CORROSION
  - . ELECTROCHEMICAL CORROSION
  - . FRETTING CORROSION
  - . FUEL CORROSION
  - . HOT CORROSION
  - . INTERGRANULAR CORROSION
  - . RUSTING
  - . SCALE (CORROSION)
  - . STRESS CORROSION
  - . STRESS CORROSION CRACKING
  - . TRANSGRANULAR CORROSION
- RT CHEMICAL ATTACK
- CHEMICAL REACTIONS
- COATINGS
- DAMAGE
- DEGRADATION
- DEPOSITS
- DETERIORATION
- DISSOLVING
- DURABILITY
- ELECTROCHEMISTRY
- ELECTROLYSIS
- EROSION
- ETCHANTS
- ETCHING
- FAILURE
- FINISHES
- FOULING
- GAS-METAL INTERACTIONS
- HUMIDITY
- IMPINGEMENT
- INCOMPATIBILITY
- METAL COATINGS
- METAL-WATER REACTIONS
- ∞ METALLURGY
- OXIDATION
- PASSIVITY
- PITTING
- PROTECTIVE COATINGS
- SALT SPRAY TESTS
- STERILIZATION EFFECTS
- SURFACE PROPERTIES
- TRIBOLOGY
- WEAR
- WEATHERING

### CORROSION PREVENTION

- GS PREVENTION
  - . CORROSION PREVENTION
  - PROTECTION
  - . CORROSION PREVENTION
- RT AERATION

### CORROSION PREVENTION-(CONT.)

- ANTIFOULING
- ANTIOXIDANTS
- CAVITATION CORROSION
- CHEMICAL ATTACK
- CLEANING
- COATING
- COATINGS
- DESENSITIZING
- ∞ FILMS
- FUEL TANKS
- ∞ INHIBITION
- INHIBITORS
- METAL COATINGS
- NICKEL COATINGS
- PACKAGING
- PASSIVITY
- PRESERVING
- PROPELLANT ADDITIVES
- SENSITIZING
- SILICONIZING
- SURFACE FINISHING
- WATER TREATMENT
- WEATHERPROOFING

### CORROSION RESISTANCE

- GS CORROSION RESISTANCE
  - . OXIDATION RESISTANCE
- RT
  - ANTIOXIDANTS
  - CAVITATION CORROSION
  - CHEMICAL ATTACK
  - CHEMICAL TESTS
  - PASSIVITY
  - PITTING
  - ∞ RESISTANCE
  - RUSTING
  - SALT SPRAY TESTS
  - SILICONIZING
  - SULFIDATION
  - SURFACE FINISHING

### CORROSION TEST LOOPS

- GS ENVIRONMENTAL TESTS
  - . CORROSION TESTS
  - . CORROSION TEST LOOPS
  - LOOPS
  - . CORROSION TEST LOOPS
- RT ∞ TESTS

### CORROSION TESTS

- GS ENVIRONMENTAL TESTS
  - . CORROSION TESTS
  - . CORROSION TEST LOOPS
  - . SALT SPRAY TESTS
- RT CAVITATION CORROSION
- CHEMICAL ATTACK
- DESTRUCTIVE TESTS
- FUEL TESTS
- ∞ MATERIALS TESTS
- PITTING
- PROPELLANT TESTS
- STABILITY TESTS
- STRESS CORROSION CRACKING
- ∞ TESTS
- TRANSGRANULAR CORROSION
- UNDERWATER TESTS
- WEATHERING

### CORRUGATED PLATES

- GS STRUCTURAL MEMBERS
  - . PLATES (STRUCTURAL MEMBERS)
  - . CORRUGATED PLATES
- RT CORRUGATING
- REINFORCED PLATES

### CORRUGATED SHELLS

- GS SHELLS (STRUCTURAL FORMS)
  - . CORRUGATED SHELLS
- RT ANISOTROPIC SHELLS
- CORRUGATING
- REINFORCED SHELLS

### CORRUGATING

- RT CORRUGATED PLATES
- CORRUGATED SHELLS
- DEFORMATION
- GROOVES
- ∞ PLATES
- ∞ RIDGES
- ∞ WAVES

### CORSAIR AIRCRAFT

- USE A-7 AIRCRAFT

### ∞ CORTEXES

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT CEREBRAL CORTEX
- CORTEXES (BOTANY)

### CORTEXES (BOTANY)

- RT ∞ CORTEXES
- PLANTS (BOTANY)

### CORTI ORGAN

- GS ANATOMY
  - . SENSE ORGANS
  - . . . EAR
  - . . . LABYRINTH
  - . . . COCHLEA
  - . . . . CORTI ORGAN

### CORTICOSTEROIDS

- GS ORGANIC COMPOUNDS
  - . LIPIDS
  - . . STEROIDS
  - . . . CORTICOSTEROIDS
  - . . . . ALDOSTERONE
  - . . . . HYDROXYCORTICOSTEROID
  - . . . . . CORTISONE
- SECRETIONS
  - . ENDOCRINE SECRETIONS
  - . . HORMONES
  - . . . CORTICOSTEROIDS
  - . . . . ALDOSTERONE
  - . . . . HYDROXYCORTICOSTEROID
  - . . . . . CORTISONE
- RT ADRENAL METABOLISM

### CORTISONE

- GS DRUGS
  - . CORTISONE
- ORGANIC COMPOUNDS
  - . LIPIDS
  - . . STEROIDS
  - . . . CORTICOSTEROIDS
  - . . . . HYDROXYCORTICOSTEROID
  - . . . . . CORTISONE
- SECRETIONS
  - . ENDOCRINE SECRETIONS
  - . . HORMONES
  - . . . CORTICOSTEROIDS
  - . . . . HYDROXYCORTICOSTEROID
  - . . . . . CORTISONE
- RT ADRENAL METABOLISM
- CARBOHYDRATE METABOLISM

### CORUNDUM

- USE ALUMINUM OXIDES

### CORVUS MISSILE

- GS MISSILES
  - . CORVUS MISSILE
- RT LIQUID PROPELLANT ROCKET ENGINES

### COS-B SATELLITE

- GS ARTIFICIAL SATELLITES
  - . ESA SATELLITES
  - . . COS-B SATELLITE
  - ESA SPACECRAFT
  - . ESA SATELLITES
  - . . COS-B SATELLITE
- RT EUROPA 2 LAUNCH VEHICLE
- EUROPEAN SPACE PROGRAMS

### COSINE SERIES

- GS ANALYSIS (MATHEMATICS)
  - . CALCULUS
  - . . SERIES (MATHEMATICS)
  - . . . COSINE SERIES
  - . . . . REAL VARIABLES
  - . . . . DIFFERENTIAL EQUATIONS
  - . . . . COSINE SERIES
  - . . . . PERIODIC FUNCTIONS
  - . . . . TRIGONOMETRIC FUNCTIONS
  - . . . . . COSINE SERIES
  - . . . . . SERIES (MATHEMATICS)
  - . . . . . COSINE SERIES
- FUNCTIONS (MATHEMATICS)
  - . TRANSCENDENTAL FUNCTIONS
  - . . PERIODIC FUNCTIONS
  - . . . TRIGONOMETRIC FUNCTIONS
  - . . . . COSINE SERIES

### COSMIC BACKGROUND EXPLORER SATELLITE

- UF COBE
- GS ARTIFICIAL SATELLITES

**COSMIC BACKGROUND EXPLORER-(CONT.)**

. SCIENTIFIC SATELLITES  
 . EXPLORER SATELLITES  
 . . . **COSMIC BACKGROUND EXPLORER SATELLITE**  
 RT BACKGROUND RADIATION  
 RADIATION SPECTRA  
 SPACEBORNE ASTRONOMY

**COSMIC DUST**

GS PARTICLES  
 . DUST  
 . . **COSMIC DUST**  
 . . . INTERPLANETARY DUST  
 . . . METEOROID DUST CLOUDS  
 . . . . ZODIACAL DUST  
 RT INTERGALACTIC MEDIA  
 INTERSTELLAR MATTER  
 METEORIDS  
 MICROMETEORITES  
 MICROMETEORIDS  
 MOLECULAR CLOUDS  
 ORGANIC SOLIDS  
 REFLECTION NEBULAE  
 SPACE DEBRIS  
 TERRESTRIAL DUST BELT  
 VENUS FLY TRAP ROCKET VEHICLE

**COSMIC GAMMA RAY BURSTS**

USE GAMMA RAY BURSTS

**COSMIC GASES**

GS EXTRATERRESTRIAL MATTER  
 . **COSMIC GASES**  
 . . INTERPLANETARY GAS  
 . . INTERSTELLAR GAS  
 . . . NEUTRAL GASES  
 GASES  
 . RAREFIED GASES  
 . . **COSMIC GASES**  
 . . . INTERPLANETARY GAS  
 . . . INTERSTELLAR GAS  
 . . . . NEUTRAL GASES  
 RT COOLING FLOWS (ASTROPHYSICS)  
 DEGENERATE MATTER  
 ELECTRON GAS  
 INTERGALACTIC MEDIA  
 IONIZED GASES

**COSMIC NOISE**

GS ELECTROMAGNETIC INTERFERENCE  
 . RADIO FREQUENCY INTERFERENCE  
 . . ELECTROMAGNETIC NOISE  
 . . . **COSMIC NOISE**  
 RT ALOUETTE PROJECT  
 BACKGROUND NOISE  
 BACKGROUND RADIATION  
 CENTIMETER WAVES  
 ELECTROMAGNETIC NOISE  
 MEASUREMENT  
 GALACTIC RADIATION  
 GALACTIC RADIO WAVES  
 INTERSTELLAR RADIATION  
 MICROWAVE EMISSION  
 MICROWAVES  
 NOISE STORMS  
 SOLAR RADIATION  
 SOLAR RADIO EMISSION

**COSMIC PLASMA**

GS EXTRATERRESTRIAL MATTER  
 . **COSMIC PLASMA**  
 . . PARTICLES  
 . . CHARGED PARTICLES  
 . . . ENERGETIC PARTICLES  
 . . . PLASMAS (PHYSICS)  
 . . . . **COSMIC PLASMA**  
 RT INTERGALACTIC MEDIA  
 INTERPLANETARY GAS  
 PLASMA CLOUDS  
 PLASMAPAUSE  
 RELATIVISTIC PLASMAS  
 SOLAR WIND  
 STELLAR WINDS  
 STRONGLY COUPLED PLASMAS

**COSMIC RADIATION**

USE COSMIC RAYS

**COSMIC RADIO WAVES**

USE EXTRATERRESTRIAL RADIO WAVES

**COSMIC RAY ALBEDO**

GS ALBEDO  
 . **COSMIC RAY ALBEDO**

**COSMIC RAY ALBEDO-(CONT.)**

RT ABSORPTANCE  
 . . . ABSORPTION  
 . . . . ATMOSPHERIC ATTENUATION  
 EARTH ALBEDO  
 LUNAR ALBEDO  
 PRIMARY COSMIC RAYS  
 REFLECTANCE  
 SECONDARY COSMIC RAYS

**COSMIC RAY SHOWERS**

UF MOLIERE FORMULA  
 GS IONIZING RADIATION  
 . COSMIC RAYS  
 . . **COSMIC RAY SHOWERS**  
 RT AUGER EFFECT  
 . . CASCADES  
 . . . ELECTRON PHOTON CASCADES  
 . . . SECONDARY COSMIC RAYS  
 . . . SHOWERS

**COSMIC RAYS**

UF COSMIC RADIATION  
 GS IONIZING RADIATION  
 . **COSMIC RAYS**  
 . . COSMIC RAY SHOWERS  
 . . . GALACTIC COSMIC RAYS  
 . . . GAMMA RAY BURSTS  
 . . . PRIMARY COSMIC RAYS  
 . . . . SOLAR COSMIC RAYS  
 . . . . SECONDARY COSMIC RAYS  
 RT AEROSPACE ENVIRONMENTS  
 ALBEDO  
 ALPHA PARTICLES  
 BIG BANG COSMOLOGY  
 CERENKOV RADIATION  
 CORPUSCULAR RADIATION  
 DEUTERONS  
 ELECTROMAGNETIC RADIATION  
 ELECTRON ACCELERATION  
 ELECTRONS  
 EXTRATERRESTRIAL RADIATION  
 FORBUSH DECREASES  
 GALACTIC RADIATION  
 GAMMA RAY TELESCOPES  
 GAMMA RAYS  
 HELIOSPHERE  
 INTERSTELLAR RADIATION  
 ION DENSITY (CONCENTRATION)  
 MESONS  
 NEUTRONS  
 NUCLEAR PARTICLES  
 NUCLEI (NUCLEAR PHYSICS)  
 PARTICLE TRACKS  
 PHOTONS  
 PROTONS  
 . . . RADIATION  
 . . . . RADIATION BELTS  
 . . . . RADIATIVE TRANSFER  
 . . . . SINGLE EVENT UPSETS  
 . . . . SOLAR RADIATION  
 . . . . STELLAR RADIATION  
 . . . . VLF EMISSION RECORDERS  
 . . . . X RAYS

**COSMIC X RAYS**

GS ELECTROMAGNETIC RADIATION  
 . X RAYS  
 . . **COSMIC X RAYS**  
 . . . IONIZING RADIATION  
 . . . . X RAYS  
 RT . . **COSMIC X RAYS**  
 . . . EXTRATERRESTRIAL RADIATION  
 . . . GALACTIC RADIATION  
 . . . GAMMA RAY ASTRONOMY  
 . . . GAMMA RAY BURSTS  
 . . . GAMMA RAYS  
 . . . X RAY ASTRONOMY  
 . . . X RAY BINARIES

**COSMOCHEMISTRY**

RT COSMOLOGY  
 EXTRATERRESTRIAL MATTER  
 GEOCHEMISTRY  
 INTERSTELLAR CHEMISTRY  
 METEORITIC COMPOSITION

**COSMOGONY**

USE COSMOLOGY

**COSMOLOGY**

UF COSMOGONY  
 GS **COSMOLOGY**  
 . BIG BANG COSMOLOGY  
 . HUBBLE DIAGRAM

**COSMOLOGY-(CONT.)**

RT . MISSING MASS (ASTROPHYSICS)  
 . ASTRONOMICAL MODELS  
 . ASTROPHYSICS  
 . COSMOCHEMISTRY  
 . DARK MATTER  
 . EXISTENCE  
 . GALACTIC EVOLUTION  
 . GRAND UNIFIED THEORY  
 . GRAVITINOS  
 . HUBBLE CONSTANT  
 . LOCAL GROUP (ASTRONOMY)  
 . MASS DISTRIBUTION  
 . NAKED SINGULARITIES  
 . PLANETARY EVOLUTION  
 . PROTOPLANETS  
 . RED SHIFT  
 . STAR DISTRIBUTION  
 . STAR FORMATION  
 . STELLAR EVOLUTION  
 . STELLAR MASS ACCRETION  
 . STRING THEORY  
 . SUPERGRAVITY  
 . SUPERSYMMETRY  
 . UNIVERSE  
 . WHITE HOLES (ASTRONOMY)

**COSMONAUTS**

GS PERSONNEL  
 . FLYING PERSONNEL  
 . . **COSMONAUTS**  
 RT . . ASTRONAUTICS  
 . . ASTRONAUTS  
 . . CREW EXPERIMENT STATIONS  
 . . CREW OBSERVATION STATIONS  
 . . CREW WORKSTATIONS  
 . . CREWS  
 . . PILOTS (PERSONNEL)  
 . . SPACECRAFT ENVIRONMENTS  
 . . SPACECREWS

**COSMOS**

SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)  
 RT COSMOS SATELLITES  
 UNIVERSE

**COSMOS SATELLITES**

GS ARTIFICIAL SATELLITES  
 . GEOPHYSICAL SATELLITES  
 . . **COSMOS SATELLITES**  
 . . . INTERCOSMOS SATELLITES  
 . . . SOVIET SATELLITES  
 . . . **COSMOS SATELLITES**  
 . . . . COSMOS 2 SATELLITE  
 . . . . COSMOS 3 SATELLITE  
 . . . . COSMOS 5 SATELLITE  
 . . . . COSMOS 6 SATELLITE  
 . . . . COSMOS 14 SATELLITE  
 . . . . COSMOS 44 SATELLITE  
 . . . . COSMOS 54 SATELLITE  
 . . . . COSMOS 71 SATELLITE  
 . . . . COSMOS 110 SATELLITE  
 . . . . COSMOS 137 SATELLITE  
 . . . . COSMOS 144 SATELLITE  
 . . . . COSMOS 149 SATELLITE  
 . . . . COSMOS 166 SATELLITE  
 . . . . COSMOS 186 SATELLITE  
 . . . . COSMOS 188 SATELLITE  
 . . . . COSMOS 206 SATELLITE  
 . . . . COSMOS 213 SATELLITE  
 . . . . COSMOS 224 SATELLITE  
 . . . . COSMOS 225 SATELLITE  
 . . . . COSMOS 381 SATELLITE  
 . . . . COSMOS 954 SATELLITE  
 . . . . COSMOS 1129 SATELLITE  
 . . . . INTERCOSMOS SATELLITES  
 RT . . COSMOS

**COSMOS 2 SATELLITE**

GS ARTIFICIAL SATELLITES  
 . SOVIET SATELLITES  
 . . COSMOS SATELLITES  
 . . . **COSMOS 2 SATELLITE**

**COSMOS 3 SATELLITE**

GS ARTIFICIAL SATELLITES  
 . SOVIET SATELLITES  
 . . COSMOS SATELLITES  
 . . . **COSMOS 3 SATELLITE**

**COSMOS 5 SATELLITE**

GS ARTIFICIAL SATELLITES  
 . SOVIET SATELLITES

## COSMOS 6 SATELLITE

### COSMOS 5 SATELLITE-(CONT.)

.. COSMOS SATELLITES  
... COSMOS 5 SATELLITE

### COSMOS 6 SATELLITE

GS ARTIFICIAL SATELLITES  
.. SOVIET SATELLITES  
.. COSMOS SATELLITES  
... COSMOS 6 SATELLITE

### COSMOS 14 SATELLITE

GS ARTIFICIAL SATELLITES  
.. SOVIET SATELLITES  
.. COSMOS SATELLITES  
... COSMOS 14 SATELLITE

### COSMOS 44 SATELLITE

GS ARTIFICIAL SATELLITES  
.. SOVIET SATELLITES  
.. COSMOS SATELLITES  
... COSMOS 44 SATELLITE

### COSMOS 54 SATELLITE

GS ARTIFICIAL SATELLITES  
.. SOVIET SATELLITES  
.. COSMOS SATELLITES  
... COSMOS 54 SATELLITE

### COSMOS 71 SATELLITE

GS ARTIFICIAL SATELLITES  
.. SOVIET SATELLITES  
.. COSMOS SATELLITES  
... COSMOS 71 SATELLITE

### COSMOS 110 SATELLITE

GS ARTIFICIAL SATELLITES  
.. SOVIET SATELLITES  
.. COSMOS SATELLITES  
... COSMOS 110 SATELLITE

### COSMOS 137 SATELLITE

GS ARTIFICIAL SATELLITES  
.. SOVIET SATELLITES  
.. COSMOS SATELLITES  
... COSMOS 137 SATELLITE

### COSMOS 144 SATELLITE

GS ARTIFICIAL SATELLITES  
.. METEOROLOGICAL SATELLITES  
... COSMOS 144 SATELLITE  
.. SOVIET SATELLITES  
.. COSMOS SATELLITES  
... COSMOS 144 SATELLITE

### COSMOS 149 SATELLITE

UF SPACE ARROW SATELLITE  
GS ARTIFICIAL SATELLITES  
.. SOVIET SATELLITES  
.. COSMOS SATELLITES  
... COSMOS 149 SATELLITE

### COSMOS 166 SATELLITE

GS ARTIFICIAL SATELLITES  
.. SOVIET SATELLITES  
.. COSMOS SATELLITES  
... COSMOS 166 SATELLITE

### COSMOS 186 SATELLITE

GS ARTIFICIAL SATELLITES  
.. SOVIET SATELLITES  
.. COSMOS SATELLITES  
... COSMOS 186 SATELLITE

### COSMOS 188 SATELLITE

GS ARTIFICIAL SATELLITES  
.. SOVIET SATELLITES  
.. COSMOS SATELLITES  
... COSMOS 188 SATELLITE

### COSMOS 206 SATELLITE

GS ARTIFICIAL SATELLITES  
.. SOVIET SATELLITES  
.. COSMOS SATELLITES  
... COSMOS 206 SATELLITE

### COSMOS 213 SATELLITE

GS ARTIFICIAL SATELLITES  
.. SOVIET SATELLITES  
.. COSMOS SATELLITES  
... COSMOS 213 SATELLITE

### COSMOS 224 SATELLITE

GS ARTIFICIAL SATELLITES  
.. SOVIET SATELLITES

### COSMOS 224 SATELLITE-(CONT.)

.. COSMOS SATELLITES  
... COSMOS 224 SATELLITE

### COSMOS 225 SATELLITE

GS ARTIFICIAL SATELLITES  
.. SOVIET SATELLITES  
.. COSMOS SATELLITES  
... COSMOS 225 SATELLITE

### COSMOS 381 SATELLITE

GS ARTIFICIAL SATELLITES  
.. SOVIET SATELLITES  
.. COSMOS SATELLITES  
... COSMOS 381 SATELLITE

### COSMOS 782 SATELLITE

GS ARTIFICIAL SATELLITES  
.. SOVIET SATELLITES  
... COSMOS 782 SATELLITE  
RT INTERNATIONAL COOPERATION

### COSMOS 936 SATELLITE

GS ARTIFICIAL SATELLITES  
.. SOVIET SATELLITES  
... COSMOS 936 SATELLITE  
RT INTERNATIONAL COOPERATION

### COSMOS 954 SATELLITE

GS ARTIFICIAL SATELLITES  
.. SOVIET SATELLITES  
.. COSMOS SATELLITES  
... COSMOS 954 SATELLITE  
RT UNCONTROLLED REENTRY  
(SPACECRAFT)

### COSMOS 1129 SATELLITE

GS ARTIFICIAL SATELLITES  
.. SOVIET SATELLITES  
.. COSMOS SATELLITES  
... COSMOS 1129 SATELLITE  
RT INTERNATIONAL COOPERATION

### COSPAR (COMMITTEE)

USE COMMITTEE ON SPACE RESEARCH

### COSPAS

GS ARTIFICIAL SATELLITES  
.. COSPAS  
RT RECONNAISSANCE  
RESCUE OPERATIONS  
SARSAT  
SEARCHING

### COSSERAT SURFACES

RT FLAT SURFACES  
.. SURFACE GEOMETRY  
.. SURFACE PROPERTIES  
.. SURFACES

### COST ANALYSIS

RT .. ANALYZING  
BUDGETING  
COMPARISON  
COSTS  
DESIGN TO COST  
ECONOMIC ANALYSIS  
FEASIBILITY  
FEASIBILITY ANALYSIS  
FINANCIAL MANAGEMENT  
LIFE CYCLE COSTS  
MANAGEMENT  
MANAGEMENT ANALYSIS  
MANAGEMENT PLANNING  
OPTICAL TRANSFER FUNCTION  
PRODUCTION COSTS  
VALUE ENGINEERING  
WAGE SURVEYS

### COST EFFECTIVENESS

GS EFFECTIVENESS  
.. COST EFFECTIVENESS  
RT ALLOCATIONS  
BUDGETING  
LIFE CYCLE COSTS

### COST ESTIMATES

GS ESTIMATES  
.. COST ESTIMATES  
RT AIRCRAFT PRODUCTION COSTS  
APPROPRIATIONS  
BUDGETING  
COSTS  
ECONOMIC ANALYSIS

### COST ESTIMATES-(CONT.)

ECONOMY  
.. ESTIMATORS  
.. FEDERAL BUDGETS  
FINANCIAL MANAGEMENT  
MANAGEMENT  
PRODUCTION COSTS  
VALUE ENGINEERING  
WAGE SURVEYS

### COST INCENTIVES

RT EFFICIENCY  
INCENTIVE TECHNIQUES  
MANAGEMENT  
VALUE ENGINEERING

### COST REDUCTION

RT COMMONALITY  
EFFICIENCY  
INCENTIVE TECHNIQUES  
MANAGEMENT  
MANAGEMENT METHODS  
MANAGEMENT PLANNING  
VALUE ENGINEERING  
WAGE SURVEYS

### COSTA RICA

GS NATIONS  
.. COSTA RICA  
RT CENTRAL AMERICA

### COSTS

GS COSTS  
.. AIRCRAFT PRODUCTION COSTS  
.. FREIGHT COSTS  
.. LIFE CYCLE COSTS  
.. LOW COST  
.. OPERATING COSTS  
RT ACCOUNTING  
AIRCRAFT PRODUCTION  
COMMERCE  
COST ANALYSIS  
COST ESTIMATES  
DAMAGE ASSESSMENT  
DESIGN TO COST  
ECONOMIC ANALYSIS  
ECONOMIC FACTORS  
ECONOMIC IMPACT  
ECONOMICS  
EFFICIENCY  
ESTIMATING  
EVALUATION  
FEASIBILITY  
FINANCIAL MANAGEMENT  
GROSS NATIONAL PRODUCT  
REVENUE  
TASK COMPLEXITY  
TASKS  
VALUE

### COTTON

GS FARM CROPS  
.. COTTON  
PLANTS (BOTANY)  
.. COTTON  
RT BOLL WEEVILS  
BOLLWORMS  
CLOTHING  
CORDAGE  
COTTON FIBERS  
EARTH RESOURCES  
FABRICS  
FIBERS  
TEXTILES  
YARNS

### COTTON FIBERS

GS CLOTHING  
.. COTTON FIBERS  
FIBERS  
.. COTTON FIBERS  
TEXTILES  
.. COTTON FIBERS  
RT COTTON  
CREPE  
ORGANIC MATERIALS

### COUCHES

RT BEDS  
CUSHIONS  
HARNESSES  
PILLOWS  
SEATS  
SPACECRAFT ENVIRONMENTS

## COUPLINGS

### COUETTE FLOW

- GS FLUID FLOW
  - . STEADY FLOW
  - . **COUETTE FLOW**
  - . TWO DIMENSIONAL FLOW
  - . **COUETTE FLOW**
  - . VISCOUS FLOW
  - . **COUETTE FLOW**
- RT ANNULAR FLOW
  - . AXISYMMETRIC FLOW
  - . HARTMANN FLOW
  - . ROTATING CYLINDERS

### COUGAR AIRCRAFT

- USE F-9 AIRCRAFT

### COUGH

- GS REFLEXES
  - . RESPIRATORY REFLEXES
  - . **COUGH**
  - . SIGNS AND SYMPTOMS
  - . **COUGH**
- RT EXPELLANTS

### COULEES

- USE CANYONS

### COULOMB COLLISIONS

- GS COLLISIONS
  - . **COULOMB COLLISIONS**
- RT CHARGED PARTICLES

### COULOMB POTENTIAL

- GS POTENTIAL ENERGY
  - . ELECTRIC POTENTIAL
  - . **COULOMB POTENTIAL**
- RT CHARGED PARTICLES
  - . COULOMETRY
  - . ELECTRIC FIELD STRENGTH
  - . ELECTRIC FIELDS
  - .  $\infty$  POTENTIAL

### COULOMETERS

- GS MEASURING INSTRUMENTS
  - . **COULOMETERS**
- RT AMMETERS
  - . CHEMICAL ANALYSIS
  - . COULOMETRY
  - . ELECTRICAL MEASUREMENT
  - . ELECTROCHEMISTRY
  - . ELECTRODEPOSITION
  - . ELECTROLYSIS
  - . TITRATION
  - . VOLTMETERS

### COULOMETRY

- GS ELECTRICAL MEASUREMENT
  - . **COULOMETRY**
  - . ELECTROCHEMISTRY
  - . ELECTROLYSIS
  - . **COULOMETRY**
- RT COULOMB POTENTIAL
  - . COULOMETERS

### COUNTDOWN

- GS PREFLIGHT OPERATIONS
  - . **COUNTDOWN**
  - . SCHEDULES
  - . **COUNTDOWN**
- RT CHECKOUT
  - . CREW PROCEDURES (PREFLIGHT)
  - . LAUNCHING
  - . LIFTOFF (LAUNCHING)
  - . PRELAUNCH PROBLEMS
  - . PRELAUNCH TESTS
  - . SPACE VEHICLE CHECKOUT PROGRAM
  - . SPACECRAFT LAUNCHING
  - . WINDOWS (INTERVALS)

### COUNTER ROTATION

- GS GYRATION
  - . ROTATION
  - . **COUNTER ROTATION**
- RT BOUNDARY VALUE PROBLEMS
  - . COUNTER-ROTATING WHEELS
  - . COUNTERFLOW
  - . ROTATING DISKS
  - . ROTATING FLUIDS

### COUNTER-ROTATING WHEELS

- UF INERTIA WHEELS
- GS WHEELS
  - . **COUNTER-ROTATING WHEELS**
- RT COUNTER ROTATION

### COUNTER-ROTATING WHEELS-(CONT.)

- . FLYWHEELS
- . GEARS
- . MECHANICAL DRIVES
- . REACTION WHEELS

### COUNTERBALANCES

- RT AIRCRAFT STABILITY
  - . BALLAST (MASS)
  - . DYNAMIC STABILITY
  - . MASS DISTRIBUTION
  - . SPACECRAFT STABILITY
  - . STATIC STABILITY

### COUNTERFLOW

- GS FLUID FLOW
  - . **COUNTERFLOW**
- RT AXIAL FLOW
  - . COUNTER ROTATION
  - . HEAT EXCHANGERS
  - . HEAT TRANSFER
  - . TRAPPED VORTEXES
  - . TURBULENT DIFFUSION
  - . TURBULENT FLOW
  - . VORTICES

### COUNTERMEASURES

- GS **COUNTERMEASURES**
  - . BALLISTIC MISSILE DECOYS
  - . ELECTRONIC COUNTERMEASURES
  - . ANTIRADAR COATINGS
  - . CHAFF
  - . JAMMING
  - . OPTICAL COUNTERMEASURES
  - . REENTRY DECOYS
- RT ANTIRADIATION MISSILES
  - . BLUE GOOSE MISSILE
  - . DECOYS
  - . PROTECTION
  - . QUAIL MISSILE
  - . RADAR ABSORBERS
  - . TARGET MASKING
  - . TORPEDOES

### COUNTERS

- UF DEKATRONS
  - . GAS DISCHARGE COUNTERS
  - . PULSE RECORDERS
  - . QUANTIZER
- GS MEASURING INSTRUMENTS
  - . **COUNTERS**
  - . RADIATION COUNTERS
  - . CERENKOV COUNTERS
  - . ELECTRON COUNTERS
  - . GEIGER COUNTERS
  - . NEUTRON COUNTERS
  - . NEUTRON SPECTROMETERS
  - . PARTICLE TELESCOPES
  - . PROPORTIONAL COUNTERS
  - . QUANTUM COUNTERS
  - . SCINTILLATION COUNTERS
  - . SPARK CHAMBERS
- RT ACCUMULATORS (COMPUTERS)
  - . COMPUTER COMPONENTS
  - . COUNTING
  - . COUNTING CIRCUITS
  - . DATA RECORDERS
  - . IONIZATION CHAMBERS
  - . MONITORS
  - . RECORDING INSTRUMENTS

### COUNTERSINKING

- RT GRINDING (MATERIAL REMOVAL)
  - . METAL CUTTING

### COUNTING

- RT COUNTERS
  - . DATA ACQUISITION
  - . ENUMERATION
  - . ESTIMATING
  - .  $\infty$  MEASUREMENT
  - .  $\infty$  NUMBERS
  - . OBSERVATION
  - . REPETITION
  - . SAMPLING

### COUNTING CIRCUITS

- GS CIRCUITS
  - . **COUNTING CIRCUITS**
  - . SCALERS
- RT COUNTERS
  - . LOGIC CIRCUITS

### COUNTING RATE COMPUTERS

- GS DATA PROCESSING EQUIPMENT

### COUNTING RATE COMPUTERS-(CONT.)

- . COMPUTERS
- . **COUNTING RATE COMPUTERS**

### COUPLED MODES

- UF MODE COUPLING
- GS MODES
  - . **COUPLED MODES**
- RT CHEMICAL BONDS
  - . COUPLES
  - . COUPLINGS
  - . CROSSLINKING
  - . MAGNETOSPHERE-IONOSPHERE
  - . COUPLING
  - . POLYMERIZATION
  - . STRONGLY COUPLED PLASMAS
  - . UNCOUPLED MODES

### COUPLERS

- SN (EXCLUDES MECHANICAL DEVICE)
- GS **COUPLERS**
  - . ANTENNA COUPLERS
  - . DIPLEXERS
  - . DIRECTIONAL COUPLERS
  - . COUPLING CIRCUITS
- RT ANTENNA COMPONENTS
  - . COUPLING
  - . COUPLINGS
  - . IMPEDANCE MATCHING
  - . YOKES

### COUPLES

- GS COUPLING
  - . **COUPLES**
- RT ANTENNA COUPLERS
  - . COUPLED MODES
  - . COUPLING CIRCUITS
  - . CROSS COUPLING
  - . DIPLEXERS
  - . OPTICAL COUPLING
  - . SPIN-SPIN COUPLING
  - . UNCOUPLED MODES
  - . YOKES

### COUPLING

- SN (FOR MECHANICAL DEVICES, USE COUPLINGS)
- GS **COUPLING**
  - . COUPLES
  - . CROSS COUPLING
  - . GYROSCOPIC COUPLING
  - . MAGNETOSPHERE-IONOSPHERE
  - . COUPLING
  - . MICROWAVE COUPLING
  - . OPTICAL COUPLING
  - . SPIN-SPIN COUPLING
  - . THERMODYNAMIC COUPLING
- RT ANTENNA COUPLERS
  - . CLEBSCH-GORDAN COEFFICIENTS
  - . COUPLERS
  - . COUPLINGS
  - . DECOUPLING
  - . DIRECTIONAL COUPLERS
  - . LINKAGES
  - . MECHANICAL DRIVES
  - . RACAH COEFFICIENT
  - . VELOCITY COUPLING
  - . WAVE INTERACTION

### COUPLING CIRCUITS

- GS CIRCUITS
  - . **COUPLING CIRCUITS**
  - . COUPLERS
  - . **COUPLING CIRCUITS**
- RT ANTENNA COUPLERS
  - . COUPLES
  - . CROSS COUPLING
  - . ENERGY TRANSFER
  - . IMPEDANCE MATCHING
  - . MICROWAVE COUPLING
  - .  $\infty$  NETWORKS
  - . RC CIRCUITS
  - . RL CIRCUITS
  - . TRANSFORMERS

### COUPLING COEFFICIENTS

- GS COEFFICIENTS
  - . **COUPLING COEFFICIENTS**
- RT FORM FACTORS
  - . MAGNETIC INDUCTION
  - . TRANSFER FUNCTIONS

### COUPLINGS

- RT ANCHORS (FASTENERS)
  - . BOLTS

## COURIER AIRCRAFT

### COUPLINGS-(CONT.)

- CLIPS
- CLOSURES
- CONNECTORS
- COUPLED MODES
- COUPLERS
- COUPLING
- DIRECTIONAL COUPLERS
- FASTENERS
- FITTINGS
- ∞ JOINING
- JOINTS (JUNCTIONS)
- LINKAGES
- MECHANICAL DRIVES
- PINS
- RIVETS
- SCREWS
- SLEEVES
- SPLINES
- TRAILERS
- UNIONS (CONNECTORS)

### COURIER AIRCRAFT

USE U-10 AIRCRAFT

### COURIER SATELLITE

GS ARTIFICIAL SATELLITES  
    . COURIER SATELLITE  
RT ADVENT PROJECT

### COURSES

USE PATHS

### COVALENCE

RT CHEMICAL BONDS  
    COVALENT BONDS

### COVALENT BONDS

GS CHEMICAL BONDS  
    . COVALENT BONDS  
RT COVALENCE

### COVARIANCE

GS STATISTICAL ANALYSIS  
    . VARIANCE (STATISTICS)  
    . . . MULTIVARIATE STATISTICAL  
        ANALYSIS  
    . . . COVARIANCE  
RT CORRELATION  
    EXPERIMENT DESIGN  
    FACTOR ANALYSIS  
    ORTHOGONALITY  
    QUALITY CONTROL  
    REGRESSION ANALYSIS  
    SIGNIFICANCE  
    VARIABILITY

### COVERALLS

GS CLOTHING  
    . COVERALLS  
RT FLIGHT CLOTHING  
    PROTECTIVE CLOTHING

### COVERINGS

RT CAMOUFLAGE  
    ∞ CAPS  
    ∞ CASING  
    CLOSURES  
    COATINGS  
    ELECTROSTATIC BONDING  
    ENCLOSURES  
    ∞ ENVELOPES  
    GUARDS (SHIELDS)  
    HOUSINGS  
    JACKETS  
    MASKING  
    PRESERVING  
    SEALING  
    SHELLS (STRUCTURAL FORMS)  
    SHROUDS  
    SPHERICAL CAPS

### COVES

USE BAYS (TOPOGRAPHIC FEATURES)

### COWELL METHOD

USE NUMERICAL INTEGRATION

### COWLINGS

GS HOUSINGS  
    . COWLINGS  
RT AIR INTAKES  
    FAIRINGS  
    NACELLES

### COWLINGS-(CONT.)

PODS (EXTERNAL STORES)  
PROTUBERANCES  
SHELLS (STRUCTURAL FORMS)

### CRAB NEBULA

GS CELESTIAL BODIES  
    . NEBULAE  
    . . . CRAB NEBULA  
RT ORION NEBULA  
    SUPERNOVAE  
    TAURUS CONSTELLATION

### CRABS

GS ANIMALS  
    . INVERTEBRATES  
    . . . ARTHROPODS  
    . . . CRABS

### CRACK ARREST

RT CRACK INITIATION  
    CRACK PROPAGATION  
    CRACK TIPS  
    CRACKING (FRACTURING)

### CRACK CLOSURE

RT BRITTLENESS  
    CRACKING (FRACTURING)  
    CRACKS  
    ELBER EQUATION  
    FATIGUE (MATERIALS)  
    FRACTOGRAPHY  
    FRACTURE MECHANICS  
    FRACTURE STRENGTH  
    FRACTURING  
    GRIFFITH CRACK  
    METAL FATIGUE  
    MICROCRACKS  
    STRESS CORROSION CRACKING  
    SURFACE CRACKS

### CRACK FORMATION

USE CRACK INITIATION

### CRACK GEOMETRY

GS GEOMETRY  
    . CRACK GEOMETRY  
RT CAVITIES  
    CRACK TIPS  
    CRACKS  
    FATIGUE (MATERIALS)  
    FRACTOGRAPHY  
    MICROCRACKS  
    SHORT CRACKS  
    SURFACE CRACKS  
    VOIDS

### CRACK INITIATION

UF CRACK FORMATION  
RT BRITTLENESS  
    CRACK ARREST  
    CRACK TIPS  
    CRACKS  
    CRITICAL LOADING  
    FRACTURE MECHANICS  
    FRACTURE STRENGTH  
    J INTEGRAL  
    METAL FATIGUE  
    METAL SURFACES  
    MICROCRACKS  
    SHORT CRACKS  
    STRESS CONCENTRATION  
    STRESS CORROSION CRACKING  
    STRESS INTENSITY FACTORS  
    SURFACE CRACKS  
    SURFACE DEFECTS  
    TOUGHNESS

### CRACK PROPAGATION

GS PROPAGATION (EXTENSION)  
    . CRACK PROPAGATION  
RT ACOUSTIC EMISSION  
    BEND TESTS  
    BRITTLENESS  
    COFFIN-MANSON LAW  
    CRACK ARREST  
    CRACK TIPS  
    CRACKING (FRACTURING)  
    CRACKS  
    FATIGUE (MATERIALS)  
    FRACTOGRAPHY  
    FRACTURE MECHANICS  
    FRACTURE STRENGTH  
    FRACTURING  
    GRIFFITH CRACK

### CRACK PROPAGATION-(CONT.)

J INTEGRAL  
METAL FATIGUE  
MICROMECHANICS  
PLANE STRAIN  
∞ PROPAGATION  
RESIDUAL STRENGTH  
∞ RESISTANCE  
SEGREGATION CHARACTERISTIC  
SHORT CRACKS  
STRAIN DISTRIBUTION  
STRESS CORROSION CRACKING  
STRESS DISTRIBUTION  
STRESS INTENSITY FACTORS  
SURFACE CRACKS

### CRACK TIPS

GS FRACTURES (MATERIALS)  
    . CRACKS  
    . . . CRACK TIPS  
    TIPS  
RT CRACK TIPS  
    CRACK ARREST  
    CRACK GEOMETRY  
    CRACK INITIATION  
    CRACK PROPAGATION

### CRACKING (CHEMICAL ENGINEERING)

GS CHEMICAL REACTIONS  
    . CRACKING (CHEMICAL ENGINEERING)  
    . . . HYDROCRACKING  
    . . . PYROLYSIS  
    DECOMPOSITION  
    . CRACKING (CHEMICAL ENGINEERING)  
    . . . HYDROCRACKING  
    . . . PYROLYSIS  
RT AMMONOLYSIS  
    CATALYSIS  
    CATALYTIC ACTIVITY  
    CHEMICAL ENGINEERING  
    COAL GASIFICATION  
    ELECTROLYSIS  
    HYDROCARBONS  
    HYDROGENOLYSIS  
    HYDROLYSIS  
    NITROLYSIS  
    ORGANIC CHEMISTRY  
    PHOTOLYSIS  
    THERMAL DISSOCIATION

### CRACKING (FRACTURING)

GS FRACTURING  
    . CRACKING (FRACTURING)  
    . . . STRESS CORROSION CRACKING  
RT BRITTLE MATERIALS  
    BRITTLENESS  
    CRACK ARREST  
    CRACK CLOSURE  
    CRACK PROPAGATION  
    CRACKS  
    DESTRUCTION  
    FAILURE  
    FATIGUE (MATERIALS)  
    J INTEGRAL  
    RUPTURING  
    STRESS CONCENTRATION  
    STRESS CORROSION  
    STRESS INTENSITY FACTORS  
    STRUCTURAL FAILURE  
    STRUCTURAL STRAIN  
    TEMPERATURE INVERSIONS

### CRACKS

UF CREVICES  
GS FRACTURES (MATERIALS)  
    . CRACKS  
    . . . CRACK TIPS  
    . . . MICROCRACKS  
    . . . SHORT CRACKS  
    . . . SURFACE CRACKS  
RT CAVITIES  
    CRACK CLOSURE  
    CRACK GEOMETRY  
    CRACK INITIATION  
    CRACK PROPAGATION  
    CRACKING (FRACTURING)  
    DEFECTS  
    ELBER EQUATION  
    FAILURE MODES  
    FATIGUE (MATERIALS)  
    INTERSTICES  
    LEAKAGE  
    OPENINGS  
    STRESSES  
    TEMPERATURE INVERSIONS

**CRACKS-(CONT.)**

ULTRASONIC SPECTROSCOPY

**CRAFT**

USE VEHICLES

**CRAMPS**

RT EPILEPSY  
MUSCULAR FUNCTION  
SEIZURES

**CRANES**

SN (EXCLUDES BIRDS)  
GS HANDLING EQUIPMENT  
. **CRANES**  
. . GANTRY CRANES  
RT BOOMS (EQUIPMENT)  
CONVEYORS  
∞ LIFTS  
LOGISTICS  
MATERIALS HANDLING  
TOWERS  
WINCHES

**CRANIUM**

GS ANATOMY  
. HEAD (ANATOMY)  
. . SKULL  
. . . **CRANIUM**  
. . . . INTRACRANIAL CAVITY  
. . . . MUSCULOSKELETAL SYSTEM  
. . . . BONES  
. . . . SKULL  
. . . . **CRANIUM**  
. . . . . INTRACRANIAL CAVITY  
RT INTERCRANIAL CIRCULATION  
MASTOIDS

**CRANK-NICHOLSON METHOD**

RT BOUNDARY VALUE PROBLEMS  
DIFFERENTIAL EQUATIONS  
FINITE DIFFERENCE THEORY  
FINITE ELEMENT METHOD  
NUMERICAL ANALYSIS  
PROBLEM SOLVING

**CRANKED WINGS**

USE SWEPT WINGS

**CRANKS**

USE ECCENTRICS

**CRASH INJURIES**

GS INJURIES  
. **CRASH INJURIES**  
RT ACCIDENTS  
BURNS (INJURIES)  
HAZARDS  
WHIPLASH INJURIES

**CRASH LANDING**

GS CRASHES  
. **CRASH LANDING**  
. . DITCHING (LANDING)  
LANDING  
. AIRCRAFT LANDING  
. . **CRASH LANDING**  
. . . DITCHING (LANDING)  
RT AIRCRAFT ACCIDENTS  
AIRCRAFT HAZARDS  
AIRCRAFT SAFETY  
AIRCRAFT SPIN  
ARRESTING GEAR  
CRASHWORTHINESS  
FLIGHT HAZARDS  
GLIDE LANDINGS  
HARD LANDING  
HORIZONTAL SPACECRAFT LANDING  
LUNAR LANDING  
PILOT ERROR  
PLANETARY LANDING  
SKID LANDINGS  
SOFT LANDING  
SPACECRAFT LANDING  
WATER LANDING

**CRASHES**

GS **CRASHES**  
. CRASH LANDING  
. . DITCHING (LANDING)  
RT ACCIDENTS  
AIR BAG RESTRAINT DEVICES  
AIRCRAFT ACCIDENTS  
AIRCRAFT HAZARDS

**CRASHES-(CONT.)**

AIRCRAFT SAFETY  
COLLISIONS  
CRASHWORTHINESS  
ENCOUNTERS  
FLIGHT HAZARDS  
FLIGHT SAFETY  
HIGHWAYS  
MIDAIR COLLISIONS  
PILOT ERROR  
SAFETY  
WRECKAGE

**CRASHWORTHINESS**

RT AIRCRAFT ACCIDENTS  
AIRCRAFT LANDING  
AIRCRAFT SAFETY  
CRASH LANDING  
CRASHES  
FLIGHT SAFETY  
IMPACT RESISTANCE

**CRATERING**

GS **CRATERING**  
. PROJECTILE CRATERING  
RT CRATERS  
EJECTA  
IMPACT DAMAGE  
MARS CRATERS  
METEORITE CRATERS  
METEORITIC DAMAGE  
NUCLEAR EXPLOSIONS

**CRATERS**

UF MAARS  
METEOR CRATERS  
GS **CRATERS**  
. LUNAR CRATERS  
. . PTOLEMAEUS CRATER  
. . TYCHO CRATER  
. . METEORITE CRATERS  
. . PLANETARY CRATERS  
. . . MARS CRATERS  
RT CALDERAS  
CONES (VOLCANOES)  
CRATERING  
EJECTA  
IMPACT DAMAGE  
SATELLITE SURFACES

**CRATONS**

RT CONTINENTS  
EARTH CRUST  
EARTH SURFACE  
OCEAN BOTTOM

**CRAWLER TRACTORS**

GS SURFACE VEHICLES  
. MOTOR VEHICLES  
. . TRACTORS  
. . . **CRAWLER TRACTORS**  
RT ELECTRIC MOTOR VEHICLES  
GROUND SUPPORT EQUIPMENT  
HANDLING EQUIPMENT  
LUNAR SURFACE VEHICLES  
MANNED LUNAR SURFACE VEHICLES  
TRACKED VEHICLES  
∞ TRANSPORT VEHICLES  
∞ VEHICLES

**CRAY COMPUTERS**

GS DATA PROCESSING EQUIPMENT  
. COMPUTERS  
. . SUPERCOMPUTERS  
. . . **CRAY COMPUTERS**

**CRAYONS**

RT ∞ MARKERS  
TEMPERATURE MEASUREMENT

**CRAZING**

USE SURFACE CRACKS

**CREATINE**

GS CRYSTALS  
. **CREATINE**  
RT JUICES

**CREATININE**

RT DISEASES  
URINE

**CREATION**

USE CREATIVITY

**CREATIVITY**

UF CREATION  
RT ARTS  
EDUCATION  
MORALE

**CREEP ANALYSIS**

RT ∞ ANALYZING  
STRESS ANALYSIS  
STRESS RELAXATION  
STRUCTURAL ANALYSIS

**CREEP BUCKLING**

GS BUCKLING  
. **CREEP BUCKLING**

**CREEP DIAGRAMS**

GS DIAGRAMS  
. **CREEP DIAGRAMS**  
RT STRESS RELAXATION  
STRESS-STRAIN-TIME RELATIONS

**CREEP PROPERTIES**

GS MECHANICAL PROPERTIES  
. **CREEP PROPERTIES**  
. . SHEAR CREEP  
. . STEADY STATE CREEP  
. . TENSILE CREEP  
RT ANELASTICITY  
DEFORMATION  
DIMENSIONAL STABILITY  
DUCTILITY  
FATIGUE (MATERIALS)  
∞ FLOW  
PLASTIC DEFORMATION  
PLASTIC FLOW  
∞ PROPERTIES  
RESIDUAL STRESS  
SHEAR FLOW  
SHEAR PROPERTIES  
STATIC DEFORMATION  
STRESS RELAXATION  
STRESSES  
STRUCTURAL FAILURE  
SUPERPLASTICITY  
TEMPERATURE INVERSIONS

**CREEP RESISTANCE**

USE CREEP STRENGTH

**CREEP RUPTURE STRENGTH**

UF STRESS RUPTURE STRENGTH  
GS MECHANICAL PROPERTIES  
. **CREEP RUPTURE STRENGTH**  
RT FRACTURE STRENGTH  
J INTEGRAL  
∞ STRENGTH

**CREEP STRENGTH**

UF CREEP RESISTANCE  
GS MECHANICAL PROPERTIES  
. **CREEP STRENGTH**  
RT ∞ RESISTANCE  
∞ STRENGTH

**CREEP TESTS**

RT COMPRESSION TESTS  
FATIGUE TESTS  
LOAD TESTS  
PLASTIC DEFORMATION  
STATIC TESTS  
∞ TESTS

**CREPE**

GS FABRICS  
. **CREPE**  
RT COTTON FIBERS  
SILK

**CRESOLS**

GS HYDROXYL COMPOUNDS  
. ALCOHOLS  
. . PHENOLS  
. . . **CRESOLS**

**CRESTATRONS**

USE TRAVELING WAVE TUBES

**CRESTS**

USE WAVES

**CREVASSES**

GS **CREVASSES**  
. GLACIERS

## CREVICES

### CREVASSES-(CONT.)

RT EARTH MOVEMENTS  
GEOLOGICAL FAULTS  
RECESSES  
SEAMOUNTS

### CREVICES

USE CRACKS

### CREW EXPERIMENT STATIONS

GS STATIONS  
. CREW WORKSTATIONS  
. CREW EXPERIMENT STATIONS  
RT ASTRONAUTS  
COMPARTMENTS  
COSMONAUTS  
CREWS  
PERSONNEL  
SPACECRAFT CABINS  
SPACECREWS

### CREW OBSERVATION STATIONS

GS STATIONS  
. CREW WORKSTATIONS  
. CREW OBSERVATION STATIONS  
RT ASTRONAUTS  
COMPARTMENTS  
COSMONAUTS  
CREWS  
PERSONNEL  
SPACECRAFT CABINS  
SPACECREWS

### CREW PROCEDURES (INFLIGHT)

GS FLIGHT OPERATIONS  
. CREW PROCEDURES (INFLIGHT)  
PROCEDURES  
. CREW PROCEDURES (INFLIGHT)  
RT DISPLAY DEVICES  
FLIGHT CREWS  
IN-FLIGHT MONITORING  
SPACECREWS  
TASKS  
∞ TESTS

### CREW PROCEDURES (PREFLIGHT)

GS PROCEDURES  
. CREW PROCEDURES (PREFLIGHT)  
RT COUNTDOWN  
DISPLAY DEVICES  
FLIGHT CREWS  
FLIGHT OPERATIONS  
GROUND HANDLING  
GROUND TESTS  
IN-FLIGHT MONITORING  
ONBOARD EQUIPMENT  
PREFLIGHT OPERATIONS  
PRELAUNCH TESTS  
SPACECRAFT CONTROL  
SPACECREWS  
TASKS  
∞ TESTS

### CREW SIZE

RT FLIGHT CREWS

### CREW STATIONS

USE CREW WORKSTATIONS

### CREW WORKSTATIONS

UF CREW STATIONS  
GS STATIONS  
. CREW WORKSTATIONS  
. CREW EXPERIMENT STATIONS  
. CREW OBSERVATION STATIONS  
RT ASTRONAUTS  
COMPARTMENTS  
COSMONAUTS  
CREWS  
HELMET MOUNTED DISPLAYS  
PERSONNEL  
SPACECRAFT CABINS  
SPACECREWS

### CREWS

GS PERSONNEL  
. CREWS  
. FLIGHT CREWS  
. SPACECREWS  
RT ASTRONAUTS  
COSMONAUTS  
CREW EXPERIMENT STATIONS  
CREW OBSERVATION STATIONS  
CREW WORKSTATIONS

### CREWS-(CONT.)

FLIGHT NURSES  
PILOTS (PERSONNEL)

### CRICKETS

GS ANIMALS  
. INVERTEBRATES  
. ARTHROPODS  
. INSECTS  
. CRICKETS

### CRIME

RT AIR PIRACY  
LAW (JURISPRUDENCE)  
POLICE  
REGULATIONS  
SECURITY  
SOCIAL FACTORS  
SURVEILLANCE  
VIOLENCE

### CRIMPING

USE FOLDING

### CRITERIA

GS CRITERIA  
. STRUCTURAL DESIGN CRITERIA  
RT EVALUATION  
FIGURE OF MERIT  
∞ MEASURES  
STANDARDS

### CRITICAL EXPERIMENTS

RT EXPERIMENTATION  
NUCLEAR FISSION  
NUCLEAR REACTIONS

### CRITICAL FLICKER FUSION

UF FLICKER FUSION FREQUENCY  
GS PERCEPTION  
. SENSORY PERCEPTION  
. VISUAL PERCEPTION  
. CRITICAL FLICKER FUSION  
RT AFTERIMAGES  
FLICKER

### CRITICAL FLOW

GS FLUID FLOW  
. CRITICAL FLOW  
RT FLOW CHARACTERISTICS  
GAS FLOW  
LAMINAR FLOW  
LIQUID FLOW  
MULTIPHASE FLOW  
ORIFICE FLOW  
PIPE FLOW  
PRESSURE GRADIENTS  
SINGLE-PHASE FLOW  
STEADY FLOW  
STEAM FLOW  
SUBCRITICAL FLOW  
SUPERCRITICAL FLOW  
TURBULENT FLOW  
UNSTEADY FLOW

### CRITICAL FREQUENCIES

GS FREQUENCIES  
. CRITICAL FREQUENCIES  
RT LIGHT (VISIBLE RADIATION)  
RESONANT FREQUENCIES

### CRITICAL LOADING

SN (LIMITED TO FORCE LOADS)  
UF CRITICAL STRESS  
LOADS (FORCES)  
GS CRITICAL LOADING  
STRESSES  
. CRITICAL LOADING  
RT AERODYNAMIC LOADS  
CRACK INITIATION  
DYNAMIC LOADS  
PROPORTIONAL LIMIT  
SHALLOW SHELLS  
STATIC LOADS

### CRITICAL MACH NUMBER

USE CRITICAL VELOCITY  
MACH NUMBER

### CRITICAL MASS

GS MASS  
. CRITICAL MASS  
RT NUCLEAR FISSION  
NUCLEAR FUEL BURNUP

### CRITICAL MASS-(CONT.)

NUCLEAR REACTIONS  
PLASMA CORE REACTORS  
SUBCRITICAL MASS

### CRITICAL PATH METHOD

GS NETWORK ANALYSIS  
. CRITICAL PATH METHOD  
RT ∞ CONTROL  
DYNAMIC PROGRAMMING  
ESTIMATING  
GERT  
MANAGEMENT METHODS  
∞ METHODOLOGY  
MISSION PLANNING  
OPERATIONS RESEARCH  
∞ PATHS  
PERT  
PLANNING  
PROGRAM TREND LINE ANALYSIS  
PROGRAMMING (SCHEDULING)  
PROJECT MANAGEMENT  
RESEARCH  
SEQUENCING  
SNEAK CIRCUIT ANALYSIS  
SYSTEMS ENGINEERING

### CRITICAL POINT

GS THERMODYNAMIC PROPERTIES  
. THERMOPHYSICAL PROPERTIES  
. CRITICAL POINT  
RT MAYER PROBLEM

### CRITICAL PRESSURE

GS PRESSURE  
. CRITICAL PRESSURE  
THERMODYNAMIC PROPERTIES  
. THERMOPHYSICAL PROPERTIES  
. CRITICAL PRESSURE  
RT DEGENERATE MATTER  
HIGH PRESSURE  
LIQUID PHASES  
SUPERCRITICAL PRESSURES  
VAPOR PHASES

### CRITICAL REYNOLDS NUMBER

USE CRITICAL VELOCITY  
REYNOLDS NUMBER

### CRITICAL SPEED

USE CRITICAL VELOCITY

### CRITICAL STRESS

USE CRITICAL LOADING

### CRITICAL TEMPERATURE

GS TEMPERATURE  
. CRITICAL TEMPERATURE  
THERMODYNAMIC PROPERTIES  
. THERMOPHYSICAL PROPERTIES  
. CRITICAL TEMPERATURE  
RT CRYOGENIC TEMPERATURE  
HEAT TREATMENT  
HIGH TEMPERATURE  
SUPERCONDUCTORS  
METALLIC HYDROGEN  
NONCONDENSABLE GASES  
PHASE DIAGRAMS  
PHASE TRANSFORMATIONS

### CRITICAL VELOCITY

UF CRITICAL MACH NUMBER  
CRITICAL REYNOLDS NUMBER  
CRITICAL SPEED  
GS RATES (PER TIME)  
. CRITICAL VELOCITY  
VELOCITY  
. CRITICAL VELOCITY  
RT EXHAUST VELOCITY  
RESONANT FREQUENCIES  
TIP SPEED

### CROCCO METHOD

RT AXISYMMETRIC FLOW  
BOUNDARY LAYERS  
COMPRESSIBLE FLOW  
COMPRESSIBLE FLUIDS  
ENTROPY  
INVISCID FLOW  
∞ METHODOLOGY  
SHOCK WAVE PROPAGATION  
STEADY FLOW  
VORTICITY

**CROCCO-LEE THEORY**

RT BOUNDARY LAYER SEPARATION  
CONTINUITY EQUATION  
GAS FLOW  
INVISCID FLOW  
MASS FLOW  
MULTIPHASE FLOW  
REATTACHED FLOW  
SEPARATED FLOW  
∞ THEORIES

**CROLOY**

GS ALLOYS  
. IRON ALLOYS  
. STEELS  
. . . CROLOY

**CROP CALENDARS**

GS CALENDARS  
. CROP CALENDARS  
RT ∞ CROPS  
FARM CROPS  
GROWTH  
SCHEDULING  
SEASONS

**CROP DUSTING**

GS SPRAYING  
. CROP DUSTING  
RT AEROSOLS  
AGRICULTURAL AIRCRAFT  
AGRICULTURE  
DISPERSIONS  
FARM CROPS  
PESTICIDES  
POWDER (PARTICLES)

**CROP GROWTH**

GS GROWTH  
. VEGETATION GROWTH  
. . . CROP GROWTH  
RT AGRICULTURE  
ALFALFA  
BARLEY  
BLIGHT  
CITRUS TREES  
CORN  
∞ CROPS  
EARTH RESOURCES  
FARM CROPS  
FARMLANDS  
GERMINATION  
GRASSLANDS  
LARGE AREA CROP INVENTORY  
EXPERIMENT  
OATS  
ORCHARDS  
PHOTOSYNTHESIS  
PLANT DISEASES  
PLANT STRESS  
PLANTS (BOTANY)  
SUGAR BEETS  
SUGAR CANE  
THERMAL RESOURCES  
VINEYARDS  
WHEAT

**CROP IDENTIFICATION**

GS IDENTIFYING  
. CROP IDENTIFICATION  
RT AGRICULTURE  
∞ CROPS  
EARTH RESOURCES  
EVALUATION  
FARMLANDS  
GROUND TRUTH  
IMAGING TECHNIQUES  
LEAF AREA INDEX  
MULTISPECTRAL PHOTOGRAPHY  
PLANT DISEASES  
RECOGNITION  
REMOTE SENSORS  
∞ SENSORS  
SORGHUM  
SPECTRAL SIGNATURES  
SPOT (FRENCH SATELLITE)  
SUNFLOWERS  
TIMBER IDENTIFICATION  
VEGETATIVE INDEX

**CROP INVENTORIES**

GS INVENTORIES  
. CROP INVENTORIES  
RT AGRICULTURE  
AGRISTARS PROJECT

**CROP INVENTORIES-(CONT.)**

FARM CROPS  
FARMLANDS  
LARGE AREA CROP INVENTORY  
EXPERIMENT  
LEAF AREA INDEX  
REMOTE SENSORS  
VEGETATIVE INDEX

**CROP INVENTORIES BY REMOTE SENSING**

USE AGRISTARS PROJECT

**CROP VIGOR**

RT AGRICULTURE  
ALFALFA  
BARLEY  
BLIGHT  
CITRUS TREES  
FARM CROPS  
FARMLANDS  
IRRIGATION  
OATS  
ORCHARDS  
PHOTOTROPISM  
PLANT DISEASES  
PLANT STRESS  
PLANTS (BOTANY)  
SUGAR BEETS  
SUGAR CANE  
THERMAL RESOURCES  
VEGETATION GROWTH  
VIABILITY  
VINEYARDS  
WHEAT

**CROPLANDS**

USE FARMLANDS

**∞ CROPS**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*

RT AGRICULTURE  
ALFALFA  
BARLEY  
BIOMASS ENERGY PRODUCTION  
CITRUS TREES  
CORN  
CROP CALENDARS  
CROP GROWTH  
CROP IDENTIFICATION  
FARM CROPS  
FARMLANDS  
FROST DAMAGE  
LARGE AREA CROP INVENTORY  
EXPERIMENT  
ORCHARDS  
PLANTING  
SORGHUM  
SUNFLOWERS  
VINEYARDS  
WHEAT

**CROSS CORRELATION**

GS CORRELATION  
. CROSS CORRELATION  
RT AUTOCORRELATION  
DATA CORRELATION

**CROSS COUPLING**

GS COUPLING  
. CROSS COUPLING  
RT COMMUNICATION THEORY  
COUPLES  
COUPLING CIRCUITS  
MICROWAVE COUPLING  
OPTICAL COUPLING  
RADIO FREQUENCY INTERFERENCE

**CROSS FAULTS**

USE GEOLOGICAL FAULTS

**CROSS FLOW**

GS FLUID FLOW  
. CROSS FLOW  
RT AERODYNAMIC CHARACTERISTICS  
∞ FLOW  
FLOW CHARACTERISTICS  
FLOW GEOMETRY  
FLUID DYNAMICS  
SPANWISE BLOWING  
WATER TUNNEL TESTS

**CROSS POLARIZATION**

GS POLARIZATION (WAVES)  
. CROSS POLARIZATION  
RT OPTICAL COUPLING  
OPTICAL PROPERTIES  
POLARIZED ELECTROMAGNETIC  
RADIATION  
POLARONS  
ROTATION

**CROSS RELAXATION**

RT MASERS  
∞ RELAXATION  
RUTILE  
SPIN-SPIN COUPLING

**∞ CROSS SECTIONS**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT ABSORPTION CROSS SECTIONS  
AIRFOIL PROFILES  
AREA  
ATOMIC COLLISIONS  
COLLISION PARAMETERS  
DISTRIBUTION (PROPERTY)  
DRAWINGS  
GEOMETRY  
GRADIENTS  
IONIZATION CROSS SECTIONS  
MEAN FREE PATH  
NEUTRON CROSS SECTIONS  
PLANFORMS  
RADAR CROSS SECTIONS  
SCATTERING CROSS SECTIONS  
SHAPES  
STOPPING POWER  
SURVEYS  
TWO DIMENSIONAL BODIES

**CROSSBEDDING (GEOLOGY)**

GS GEOLOGY  
. CROSSBEDDING (GEOLOGY)  
RT LANDFORMS  
ROCKS  
STRATA  
STRATIFICATION  
STRATIGRAPHY

**CROSSED FIELD AMPLIFIERS**

GS AMPLIFIERS  
. MICROWAVE AMPLIFIERS  
. . . CROSSED FIELD AMPLIFIERS  
MICROWAVE EQUIPMENT  
. MICROWAVE AMPLIFIERS  
. . . CROSSED FIELD AMPLIFIERS  
RT ELECTRON TUBES  
MAGNETRONS  
TRAVELING WAVE TUBES

**CROSSED FIELD GUNS**

RT ELECTRON GUNS  
∞ GUNS  
PLASMA CONTROL  
PLASMA GUNS  
PLASMA JETS

**CROSSED FIELDS**

RT ELECTRIC FIELDS  
FIELD THEORY (PHYSICS)  
MAGNETIC FIELDS  
MAGNETRONS  
PLASMA CONTROL  
WAVEGUIDES

**CROSSINGS**

GS CROSSINGS  
. CHIASMS  
RT BRIDGES (STRUCTURES)  
CROSSOVERS  
INTERSECTIONS  
PIPELINES  
RAMPS (STRUCTURES)

**CROSSLINKING**

GS CROSSLINKING  
. VULCANIZING  
RT ADDITION RESINS  
COUPLED MODES  
CURING  
∞ JOINING  
PHENOLIC EPOXY RESINS



## CROSSOVERS

### CROSSOVERS

RT BRIDGES (STRUCTURES)  
CROSSINGS  
INTERSECTIONS

### CROSSTALK

GS ELECTROMAGNETIC INTERFERENCE  
. CROSSTALK  
. . . IONOSPHERIC CROSS MODULATION  
RT COMMUNICATING  
ELECTROMAGNETIC COMPATIBILITY  
∞ INTERFERENCE  
TELEPHONY  
WAVE DIFFRACTION

### CROWDING

RT ∞ CONCENTRATION  
∞ SATURATION

### CRUCIBLES

RT ∞ CONTAINERS  
HEATING EQUIPMENT

### CRUCIFORM WINGS

GS AIRFOILS  
. WINGS  
. . . CRUCIFORM WINGS  
RT FIXED WINGS  
LOW ASPECT RATIO WINGS

### CRUDE OIL

UF PETROLEUM  
GS OILS  
. CRUDE OIL  
RESOURCES  
. EARTH RESOURCES  
. . . FOSSIL FUELS  
. . . CRUDE OIL  
RT CARBONACEOUS MATERIALS  
DEPOSITS  
ENERGY POLICY  
FUEL PRODUCTION  
OFFSHORE ENERGY SOURCES  
OIL EXPLORATION  
OIL FIELDS  
PETROLEUM PRODUCTS  
RESERVES  
UNDERWATER RESOURCES  
WAXES

### CRUISE MISSILES

GS MISSILES  
. SURFACE TO SURFACE MISSILES  
. . . CRUISE MISSILES  
. . . NAVAHO MISSILE  
. . . TOMAHAWK MISSILES  
RT ANTISHIP MISSILES

### CRUISING FLIGHT

RT COASTING FLIGHT  
∞ FLIGHT  
HORIZONTAL FLIGHT

### CRUSADER AIRCRAFT

USE F-8 AIRCRAFT

### CRUSHERS

RT COMMINUTION  
CRUSHING  
DISINTEGRATION  
GRINDING MILLS  
IMPACTORS

### CRUSHING

GS COMMINUTION  
. CRUSHING  
RT CRUSHERS  
DISINTEGRATION  
GRINDING (COMMINUTION)

### CRUSTAL DYNAMICS

USE EARTH CRUST  
GEODYNAMICS

### CRUSTAL FRACTURES

GS FRACTURING  
. CRUSTAL FRACTURES  
RT EARTH CRUST  
EARTH MOVEMENTS  
EARTH SURFACE  
EARTHQUAKE RESISTANCE  
EARTHQUAKES  
GEODYNAMICS  
GEOLOGICAL FAULTS

### CRUSTAL FRACTURES-(CONT.)

MICROSEISMS  
P WAVES  
S WAVES  
SAN ANDREAS FAULT  
SEISMIC WAVES  
SEISMOLOGY  
SHATTER CONES  
SHOCK LOADS  
SHOCK WAVES  
SOIL MECHANICS  
SURFACE WAVES

### CRUSTS

GS CRUSTS  
. LUNAR CRUST  
. PLANETARY CRUSTS  
. . . EARTH CRUST  
RT LUNAR MANTLE  
PLANETARY MANTLES

### CRYOCHEMISTRY

GS PHYSICAL CHEMISTRY  
. CRYOCHEMISTRY  
RT ∞ CHEMISTRY  
CRYOGENIC EQUIPMENT  
CRYOGENICS  
LOW TEMPERATURE PHYSICS

### CRYOCYCLE PRINCIPLE

RT CRYOPUMPING  
SPACECRAFT POWER SUPPLIES

### CRYODEPOSITS

GS DEPOSITS  
. CRYODEPOSITS  
RT COATINGS  
∞ CRYOGENIC STORAGE  
CRYOGENICS

### CRYOGENIC COMPUTER STORAGE

GS COMPUTER STORAGE DEVICES  
. CRYOGENIC COMPUTER STORAGE  
RT ∞ CRYOGENIC STORAGE  
CRYOTRONS  
∞ EQUIPMENT  
SUPERCONDUCTORS

### CRYOGENIC COOLING

GS COOLING  
. SUPERCOOLING  
. . . CRYOGENIC COOLING  
RT COOLERS  
CRYOGENICS  
FREEZING  
HEAT TRANSFER  
REFRIGERATING

### CRYOGENIC EQUIPMENT

UF DEWAR SYSTEMS  
RT CRYOCHEMISTRY  
CRYOGENICS  
∞ EQUIPMENT  
GRAVITATIONAL WAVE ANTENNAS  
REFRIGERATING  
REFRIGERATING MACHINERY  
SOLID CRYOGENS

### CRYOGENIC FLUID STORAGE

RT COLD SURFACES  
∞ CRYOGENIC STORAGE  
EVAPORATIVE COOLING  
FLUID MANAGEMENT  
FUEL TANKS  
MULTILAYER INSULATION  
SPACE STORAGE  
∞ STORAGE  
STORAGE TANKS  
THERMAL INSULATION

### CRYOGENIC FLUIDS

GS LIQUIDS  
. CRYOGENIC FLUIDS  
. . . FERMI LIQUIDS  
. . . FLOX  
. . . LIQUID HELIUM  
. . . LIQUID HELIUM 2  
. . . LIQUID HYDROGEN  
. . . LIQUID NITROGEN  
. . . LIQUID OXYGEN  
RT CRYOGENIC TEMPERATURE  
CRYOGENICS  
CRYOPUMPING  
FLUID MANAGEMENT

### CRYOGENIC FLUIDS-(CONT.)

∞ FLUIDS  
ROCKET OXIDIZERS  
SOLID CRYOGEN COOLING  
SOLIDIFIED GASES

### CRYOGENIC GYROSCOPES

GS GYROSCOPES  
. CRYOGENIC GYROSCOPES  
RT HIGH TEMPERATURE  
SUPERCONDUCTORS

### CRYOGENIC MAGNETS

GS MAGNETS  
. CRYOGENIC MAGNETS  
RT HIGH TEMPERATURE  
SUPERCONDUCTORS  
SUPERCONDUCTING MAGNETS

### CRYOGENIC ROCKET PROPELLANTS

GS PROPELLANTS  
. ROCKET PROPELLANTS  
. . . LIQUID ROCKET PROPELLANTS  
. . . CRYOGENIC ROCKET  
PROPELLANTS  
RT CRYOGENICS  
ENDOTHERMIC FUELS  
FLUID MANAGEMENT  
GASEOUS ROCKET PROPELLANTS  
GELLED ROCKET PROPELLANTS  
HIGH ENERGY FUELS  
HIGH ENERGY PROPELLANTS  
HYBRID PROPELLANTS  
HYDROGEN FUELS  
HYPERGOLIC ROCKET PROPELLANTS  
LIQUEFIED GASES  
LIQUID HYDROGEN  
LIQUID OXYGEN  
RL-10 ENGINES  
SLUSH  
SPACE STORAGE  
STORABLE PROPELLANTS

### CRYOGENIC STORAGE

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT CRYODEPOSITS  
CRYOGENIC COMPUTER STORAGE  
CRYOGENIC FLUID STORAGE

### CRYOGENIC TEMPERATURE

UF ULTRALOW TEMPERATURE  
GS TEMPERATURE  
. LOW TEMPERATURE  
. . . CRYOGENIC TEMPERATURE  
RT ABSOLUTE ZERO  
COLD TRAPS  
CRITICAL TEMPERATURE  
CRYOGENIC FLUIDS  
CRYOGENICS  
CURIE TEMPERATURE  
SOLIDIFIED GASES  
SPACE TEMPERATURE

### CRYOGENIC WIND TUNNELS

GS TEST FACILITIES  
. WIND TUNNELS  
. . . CRYOGENIC WIND TUNNELS  
RT FLIGHT SIMULATORS  
TEST CHAMBERS

### CRYOGENICS

RT ABSOLUTE ZERO  
COLD TRAPS  
COOLING  
CRYOCHEMISTRY  
CRYODEPOSITS  
CRYOGENIC COOLING  
CRYOGENIC EQUIPMENT  
CRYOGENIC FLUIDS  
CRYOGENIC ROCKET PROPELLANTS  
CRYOGENIC TEMPERATURE  
CRYOPUMPING  
CRYOSAR  
CRYOSTATS  
CRYOTRONS  
FERMI LIQUIDS  
HIGH TEMPERATURE  
SUPERCONDUCTORS  
JOULE-THOMSON EFFECT  
LIQUEFIED GASES  
LOW TEMPERATURE  
LOW TEMPERATURE PHYSICS  
REFRIGERATING

**CRYOGENICS-(CONT.)**

SOLID CRYOGEN COOLING  
 SOLID CRYOGENS  
 SOLID NITROGEN  
 SOLIDIFIED GASES  
 SUPERCONDUCTING POWER TRANSMISSION  
 SUPERCONDUCTIVITY  
 THERMOELECTRIC COOLING  
 THERMOMAGNETIC COOLING

**CRYOLITE**

GS ALUMINUM COMPOUNDS  
 . **CRYOLITE**  
 HALOGEN COMPOUNDS  
 . FLUORINE COMPOUNDS  
 . FLUORIDES  
 . **CRYOLITE**  
 . FLUORO COMPOUNDS  
 . **CRYOLITE**  
 MINERALS  
 . **CRYOLITE**  
 SODIUM COMPOUNDS  
 . **CRYOLITE**  
 RT ALUMINUM

**CRYOPUMPING**

RT CRYOCYCLE PRINCIPLE  
 CRYOGENIC FLUIDS  
 CRYOGENICS  
 ∞ PUMPING  
 VACUUM PUMPS

**CRYOSAR**

GS ELECTRONIC EQUIPMENT  
 . SOLID STATE DEVICES  
 . SEMICONDUCTOR DEVICES  
 . AVALANCHE DIODES  
 . **CRYOSAR**  
 RECTIFIERS  
 . AVALANCHE DIODES  
 . **CRYOSAR**  
 RT BARRITT DIODES  
 COMPUTER STORAGE DEVICES  
 CRYOGENICS

**CRYOSORPTION**

USE SORPTION

**CRYOSTATS**

GS CONTROL EQUIPMENT  
 . **CRYOSTATS**  
 RT CONTROLLERS  
 CRYOGENICS  
 ELECTRIC SWITCHES  
 HIGH TEMPERATURE TESTS  
 LIQUID HELIUM  
 LIQUID HELIUM 2  
 LOW TEMPERATURE TESTS  
 REGULATORS  
 TEMPERATURE CONTROL  
 THERMOSTATS

**CRYOTRAPPING**

GS TRAPPING  
 . **CRYOTRAPPING**  
 RT COLD TRAPS

**CRYOTRONS**

GS ELECTRONIC EQUIPMENT  
 . SOLID STATE DEVICES  
 . **CRYOTRONS**  
 SWITCHES  
 . ELECTRIC SWITCHES  
 . **CRYOTRONS**  
 RT CRYOGENIC COMPUTER STORAGE  
 CRYOGENICS  
 SUPERCONDUCTIVITY  
 SUPERCONDUCTORS

**CRYPTOGRAPHY**

RT ∞ CODES  
 CODING  
 COMPUTER INFORMATION SECURITY  
 DECODING  
 INFORMATION THEORY  
 MESSAGE PROCESSING

**CRYSTAL DEFECTS**

UF LATTICE IMPERFECTIONS  
 STACKING FAULTS  
 GS DEFECTS  
 . **CRYSTAL DEFECTS**  
 . CRYSTAL DISLOCATIONS

**CRYSTAL DEFECTS-(CONT.)**

. . . EDGE DISLOCATIONS  
 . . . SCREW DISLOCATIONS  
 . . . POINT DEFECTS  
 . . . VACANCIES (CRYSTAL DEFECTS)  
 . . . FRENKEL DEFECTS  
 RT CRYSTALLOGRAPHY  
 HOLES (ELECTRON DEFICIENCIES)  
 IMPURITIES  
 INTERSTITIALS  
 LATTICE VIBRATIONS  
 MECHANICAL TWINNING  
 ORDER-DISORDER TRANSFORMATIONS  
 PINNING  
 POLYGONIZATION  
 STACKING FAULT ENERGY  
 STACKS  
 SURFACE DEFECTS  
 TRAPPING  
 TWINNING

**CRYSTAL DISLOCATIONS**

GS DEFECTS  
 . CRYSTAL DEFECTS  
 . **CRYSTAL DISLOCATIONS**  
 . . . EDGE DISLOCATIONS  
 . . . SCREW DISLOCATIONS  
 DISLOCATIONS (MATERIALS)  
 . **CRYSTAL DISLOCATIONS**  
 . . . EDGE DISLOCATIONS  
 . . . SCREW DISLOCATIONS  
 RT FATIGUE (MATERIALS)  
 GRAIN BOUNDARIES  
 PINNING  
 POINT DEFECTS  
 SUPERLATTICES  
 SUPERPLASTICITY  
 SURFACE DEFECTS

**CRYSTAL FILTERS**

GS ELECTROMAGNETIC WAVE FILTERS  
 . BANDPASS FILTERS  
 . **CRYSTAL FILTERS**  
 . ELECTRIC FILTERS  
 . **CRYSTAL FILTERS**  
 RT BANDSTOP FILTERS  
 ∞ FILTERS  
 INTERMEDIATE FREQUENCY AMPLIFIERS  
 RADIO EQUIPMENT  
 RADIO FILTERS

**CRYSTAL GROWTH**

GS GROWTH  
 . **CRYSTAL GROWTH**  
 . CZOCHRALSKI METHOD  
 . DIRECTIONAL SOLIDIFICATION (CRYSTALS)  
 . . . EPITAXY  
 . . . ELECTROEPITAXY  
 . . . LIQUID PHASE EPITAXY  
 . . . MOLECULAR BEAM EPITAXY  
 . . . VAPOR PHASE EPITAXY  
 . HYDROTHERMAL CRYSTAL GROWTH  
 . TRAVELING SOLVENT METHOD  
 . VERNEUIL PROCESS  
 RT AITKEN NUCLEI  
 BRAVAIS CRYSTALS  
 BRIDGMAN METHOD  
 CONTAINERLESS MELTS  
 CRYSTALLIZATION  
 CRYSTALLOGRAPHY  
 CRYSTALS  
 DOPED CRYSTALS  
 FLOAT ZONES  
 INOCULATION  
 MECHANICAL TWINNING  
 MELTS (CRYSTAL GROWTH)  
 NUCLEATION  
 POLYGONIZATION  
 RAPID QUENCHING (METALLURGY)  
 SPACE PROCESSING  
 TWINNING  
 VAPOR DEPOSITION

**CRYSTAL LATTICES**

GS **CRYSTAL LATTICES**  
 . CLOSE PACKED LATTICES  
 . CUBIC LATTICES  
 . . . BODY CENTERED CUBIC LATTICES  
 . . . FACE CENTERED CUBIC LATTICES  
 . SUPERLATTICES  
 RT ATOMIC STRUCTURE  
 BRAVAIS CRYSTALS  
 BRILLOUIN ZONES  
 CHEMICAL BONDS

**CRYSTAL LATTICES-(CONT.)**

CRYSTALLOGRAPHY  
 CRYSTALS  
 EPITAXY  
 GEOMETRY  
 GRAPHOEPIITAXY  
 HEXAGONAL CELLS  
 IONIC CRYSTALS  
 ISING MODEL  
 ISOMORPHISM  
 KOSSEL PATTERN  
 LATTICE PARAMETERS  
 LATTICE VIBRATIONS  
 ∞ LATTICES  
 LAUE METHOD  
 METAL CRYSTALS  
 METALLOGRAPHY  
 MOLECULAR CHAINS  
 MOLECULAR STRUCTURE  
 MOSSBAUER EFFECT  
 ORDER-DISORDER TRANSFORMATIONS  
 PARTICLE IN CELL TECHNIQUE  
 PATTERSON MAP  
 POLYMORPHISM  
 RAPID QUENCHING (METALLURGY)  
 SINGLE CRYSTALS  
 SYNTHETIC METALS  
 ULTRAPURE METALS

**CRYSTAL OPTICS**

RT ABERRATION  
 ACOUSTO-OPTICS  
 DIFFRACTION  
 DOPED CRYSTALS  
 FIBER OPTICS  
 GEOMETRICAL OPTICS  
 ∞ OPTICS  
 PHASE MATCHING  
 PHYSICAL OPTICS

**CRYSTAL OSCILLATORS**

GS CRYSTALS  
 . **CRYSTAL OSCILLATORS**  
 . . . PIEZOELECTRIC CRYSTALS  
 OSCILLATORS  
 . **CRYSTAL OSCILLATORS**  
 . . . PIEZOELECTRIC CRYSTALS  
 RT ELECTRICAL PROPERTIES  
 FREQUENCY CONTROL  
 FREQUENCY STABILITY  
 OSCILLATIONS  
 PIEZOELECTRICITY

**CRYSTAL RECTIFIERS**

UF SILICON RECTIFIERS  
 GS ELECTRONIC EQUIPMENT  
 . DIODES  
 . **CRYSTAL RECTIFIERS**  
 . SOLID STATE DEVICES  
 . **CRYSTAL RECTIFIERS**  
 RECTIFIERS  
 . **CRYSTAL RECTIFIERS**  
 RT CURRENT CONVERTERS (AC TO DC)  
 SEMICONDUCTOR DEVICES

**CRYSTAL STRUCTURE**

SN (AGGLOMERATIONS OF CRYSTALS--EXCLUDES CRYSTAL LATTICES)  
 GS **CRYSTAL STRUCTURE**  
 . WIDMANSTATTEN STRUCTURE  
 RT ABRIKOSOV THEORY  
 ALLOTROPY  
 ANISOTROPY  
 BRAVAIS CRYSTALS  
 CLATHRATES  
 CRYSTALLINITY  
 CRYSTALLITES  
 CRYSTALS  
 DOPED CRYSTALS  
 EPITAXY  
 GRAPHOEPIITAXY  
 INTERSTITIALS  
 ISOMORPHISM  
 ISOTROPY  
 LIQUID PHASE EPITAXY  
 MECHANICAL TWINNING  
 METAL CRYSTALS  
 MICROSTRUCTURE  
 ORDER-DISORDER TRANSFORMATIONS  
 PACKING DENSITY  
 PATTERSON MAP  
 PHONONS  
 POLYCRYSTALS  
 POLYMORPHISM  
 RAPID QUENCHING (METALLURGY)

## CRYSTAL SURFACES

### CRYSTAL STRUCTURE-(CONT.)

- SPHERULITES
- ∞ STRUCTURES
- SUPERLATTICES
- TWINNING
- VAPOR PHASE EPITAXY

### CRYSTAL SURFACES

- GS SOLID SURFACES
- CRYSTAL SURFACES
- RT METAL SURFACES
- SURFACE LAYERS
- ∞ SURFACES

### CRYSTALLINITY

- RT AMORPHOUS MATERIALS
- CRYSTAL STRUCTURE

### CRYSTALLITES

- GS CRYSTALS
- CRYSTALLITES
- SPHERULITES
- RT CRYSTAL STRUCTURE
- MICROCRYSTALS
- MINERALS
- ROSETTE SHAPES

### CRYSTALLIZATION

- UF DEVITRIFICATION
- GS CRYSTALLIZATION
- DIRECTIONAL SOLIDIFICATION
- (CRYSTALS)
- MELT SPINNING
- RECRYSTALLIZATION
- RT AGGLOMERATION
- CONCENTRATING
- CONTAINERLESS MELTS
- CRYSTAL GROWTH
- DEMINERALIZING
- FREEZING
- INOCULATION
- LIQUIDUS
- MATERIALS RECOVERY
- MELTS (CRYSTAL GROWTH)
- MODULATION
- NUCLEATION
- PHASE TRANSFORMATIONS
- PRECIPITATION (CHEMISTRY)
- PURIFICATION
- REFINING
- ∞ SEPARATION
- SETTLING
- SOLID STATE
- SOLIDIFICATION
- SUBLIMATION
- SUPERCOOLING
- SUPERSATURATION
- ZONE MELTING

### CRYSTALLOGRAPHY

- RT BRAGG ANGLE
- CRYSTAL DEFECTS
- CRYSTAL GROWTH
- CRYSTAL LATTICES
- CRYSTALS
- DEBYE-SCHERRER METHOD
- DIRECTIVITY
- ISOTROPY
- LAMELLA (METALLURGY)
- LATTICE PARAMETERS
- LAUE METHOD
- METALLOGRAPHY
- ∞ METALLURGY
- MICROBEAMS
- MICROSTRUCTURE
- MINERALOGY
- NEUTRON DIFFRACTION
- ORDER-DISORDER TRANSFORMATIONS
- ∞ ORIENTATION
- RADIOGRAPHY
- ∞ SOLID STATE PHYSICS
- X RAY ANALYSIS
- X RAY DIFFRACTION

### CRYSTALS

- GS CRYSTALS
- BICRYSTALS
- BOULES
- BRAVAIS CRYSTALS
- CREATINE
- CRYSTAL OSCILLATORS
- PIEZOELECTRIC CRYSTALS
- CRYSTALLITES
- SPHERULITES
- DENDRITIC CRYSTALS

### CRYSTALS-(CONT.)

- DOPED CRYSTALS
- IONIC CRYSTALS
- LIQUID CRYSTALS
- METAL CRYSTALS
- MICROCRYSTALS
- MIXED CRYSTALS
- POLYCRYSTALS
- QUARTZ CRYSTALS
- SINGLE CRYSTALS
- WHISKERS (CRYSTALS)
- RT ANISOTROPY
- BODY CENTERED CUBIC LATTICES
- CLATHRATES
- CONTAINERLESS MELTS
- CRYSTAL GROWTH
- CRYSTAL LATTICES
- CRYSTAL STRUCTURE
- CRYSTALLOGRAPHY
- ELECTROEPITAXY
- FACE CENTERED CUBIC LATTICES
- ∞ GRAINS
- ISOTROPY
- PACKING DENSITY
- PHASE MATCHING
- RUBY
- SPHERULES

### CSM

- USE COMMAND SERVICE MODULES

### CT-114 AIRCRAFT

- USE CL-41 AIRCRAFT

### CTD

- USE CHARGE TRANSFER DEVICES

### CUBA

- GS LANDFORMS
- ISLANDS
- WEST INDIES
- CUBA
- NATIONS
- CUBA
- RT CARIBBEAN REGION
- CARIBBEAN SEA

### CUBANE

- GS ORGANIC COMPOUNDS
- HYDROCARBONS
- CUBANE

### CUBES (MATHEMATICS)

- GS GEOMETRY
- EUCLIDEAN GEOMETRY
- POLYHEDRONS
- CUBES (MATHEMATICS)
- RT BLOCKS

### CUBIC EQUATIONS

- GS ALGEBRA
- NONLINEAR EQUATIONS
- CUBIC EQUATIONS
- ANALYSIS (MATHEMATICS)
- REAL VARIABLES
- NONLINEAR EQUATIONS
- CUBIC EQUATIONS
- FIELD THEORY (ALGEBRA)
- CUBIC EQUATIONS
- RT EQUATIONS
- POLYNOMIALS

### CUBIC LATTICES

- GS CRYSTAL LATTICES
- CUBIC LATTICES
- BODY CENTERED CUBIC LATTICES
- FACE CENTERED CUBIC LATTICES

### CUES

- RT AUDITORY SIGNALS
- VISUAL SIGNALS

### CUESTAS

- USE RIDGES

### CUFFS

- RT CLOTHING
- SEALS (STOPPERS)

### CULTIVATION

- GS CULTIVATION
- PLOWING
- RT AMMONIA
- AMMONIUM NITRATES

### CULTIVATION-(CONT.)

- ASHES
- CULTURE TECHNIQUES
- FERTILIZERS
- PLANTING
- SILVICULTURE
- SOILS
- TISSUES (BIOLOGY)

### CULTURAL RESOURCES

- RT ARCHAEOLOGY
- HUMAN BEINGS

### CULTURE (SOCIAL SCIENCES)

- RT AMERICAN INDIANS
- ANTHROPOLOGY
- ARTIFACTS
- ESKIMOS
- ETHNIC FACTORS
- GOVERNMENTS
- MINORITIES
- POLITICS
- RACE FACTORS
- RACES (ANTHROPOLOGY)
- REGIMES
- SOCIAL FACTORS
- SOCIOLOGY

### CULTURE TECHNIQUES

- RT CHLORELLA
- CULTIVATION
- MICROBIOLOGY

### CUMULATIVE DAMAGE

- GS DAMAGE
- CUMULATIVE DAMAGE
- RT COMPONENT RELIABILITY
- DEFECTS
- DEGRADATION
- DURABILITY
- FAILURE
- OPERATIONAL HAZARDS
- RELIABILITY
- STRUCTURAL RELIABILITY
- WEAR TESTS

### CUMULONIMBUS CLOUDS

- GS CLOUDS (METEOROLOGY)
- CONVECTION CLOUDS
- CUMULONIMBUS CLOUDS
- ANVIL CLOUDS
- RT CUMULUS CLOUDS
- NIMBOSTRATUS CLOUDS
- PRECIPITATION (METEOROLOGY)
- THUNDERSTORMS
- TORNADOES

### CUMULUS CLOUDS

- GS CLOUDS (METEOROLOGY)
- CONVECTION CLOUDS
- CUMULUS CLOUDS
- ANVIL CLOUDS
- RT CUMULONIMBUS CLOUDS
- STRATOCUMULUS CLOUDS

### ∞ CUPOLAS

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT DOMES (STRUCTURAL FORMS)
- FURNACES
- GUN TURRETS

### CURARE

- GS POISONS
- CURARE
- RT ALKALOIDS
- ANTICHOLINERGICS
- ∞ POISONING
- TOXICOLOGY

### CURES

- RT DISEASES
- DRUGS
- FIRST AID
- HEALING
- THERAPY

### CURIE TEMPERATURE

- GS MAGNETIC PROPERTIES
- CURIE TEMPERATURE
- TEMPERATURE
- CURIE TEMPERATURE
- RT CRYOGENIC TEMPERATURE

**CURIE TEMPERATURE-(CONT.)**

DIAMAGNETISM  
ELECTRETS  
FERROELECTRICITY  
FERROMAGNETISM

**CURIE-WEISS LAW**

RT FERROMAGNETISM  
MAGNETIC PERMEABILITY  
MAGNETIC PROPERTIES  
PARAMAGNETISM

**CURING**

RT ALFALFA  
AUTOCLAVING  
CITRUS TREES  
CORN  
CROSSLINKING  
DEGRADATION  
DRYING  
FARM CROPS  
GLASS TRANSITION TEMPERATURE  
OATS  
ORCHARDS  
PRESERVING  
∞ SETTING  
VULCANIZING  
WEATHERING

**CURIUM**

GS CHEMICAL ELEMENTS  
. ACTINIDE SERIES  
. TRANSURANIUM ELEMENTS  
. . . **CURIUM**  
. . . . CURIUM ISOTOPES  
. . . . CURIUM 242  
. . . . CURIUM 244  
. . . . NUCLIDES  
. . . . ISOTOPES  
. . . . RADIOACTIVE ISOTOPES  
. . . . TRANSURANIUM ELEMENTS  
. . . . **CURIUM**  
. . . . . CURIUM ISOTOPES  
METALS  
. ACTINIDE SERIES  
. TRANSURANIUM ELEMENTS  
. . . **CURIUM**  
. . . . CURIUM ISOTOPES  
. . . . CURIUM 242  
. . . . CURIUM 244

**CURIUM COMPOUNDS**

GS ACTINIDE SERIES COMPOUNDS  
. **CURIUM COMPOUNDS**  
RT ∞ CHEMICAL COMPOUNDS  
∞ GROUP 3B COMPOUNDS

**CURIUM ISOTOPES**

GS CHEMICAL ELEMENTS  
. ACTINIDE SERIES  
. TRANSURANIUM ELEMENTS  
. . . CURIUM  
. . . . **CURIUM ISOTOPES**  
. . . . . CURIUM 242  
. . . . . CURIUM 244  
. . . . . NUCLIDES  
. . . . . ISOTOPES  
. . . . . RADIOACTIVE ISOTOPES  
. . . . . TRANSURANIUM ELEMENTS  
. . . . . CURIUM  
. . . . . **CURIUM ISOTOPES**  
METALS  
. ACTINIDE SERIES  
. TRANSURANIUM ELEMENTS  
. . . CURIUM  
. . . . **CURIUM ISOTOPES**  
. . . . . CURIUM 242  
. . . . . CURIUM 244

**CURIUM 242**

GS CHEMICAL ELEMENTS  
. ACTINIDE SERIES  
. TRANSURANIUM ELEMENTS  
. . . CURIUM  
. . . . CURIUM ISOTOPES  
. . . . . **CURIUM 242**  
. . . . . NUCLIDES  
. . . . . ISOTOPES  
. . . . . RADIOACTIVE ISOTOPES  
. . . . . TRANSURANIUM ELEMENTS  
. . . . . CURIUM  
. . . . . CURIUM ISOTOPES  
METALS  
. ACTINIDE SERIES  
. TRANSURANIUM ELEMENTS

**CURIUM 242-(CONT.)**

. . . CURIUM  
. . . . CURIUM ISOTOPES  
. . . . . **CURIUM 242**

**CURIUM 244**

GS CHEMICAL ELEMENTS  
. ACTINIDE SERIES  
. TRANSURANIUM ELEMENTS  
. . . CURIUM  
. . . . CURIUM ISOTOPES  
. . . . . **CURIUM 244**  
. . . . . NUCLIDES  
. . . . . ISOTOPES  
. . . . . RADIOACTIVE ISOTOPES  
. . . . . TRANSURANIUM ELEMENTS  
. . . . . CURIUM  
. . . . . CURIUM ISOTOPES  
METALS  
. ACTINIDE SERIES  
. TRANSURANIUM ELEMENTS  
. . . CURIUM  
. . . . CURIUM ISOTOPES  
. . . . . **CURIUM 244**

**CURL**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT CURL (MATERIALS)  
CURL (VECTORS)

**CURL (MATERIALS)**

RT ∞ CURL  
DIMENSIONAL STABILITY  
FOLDING  
∞ MATERIALS  
TEXTURES

**CURL (VECTORS)**

GS ANALYSIS (MATHEMATICS)  
. CALCULUS  
. . VECTOR ANALYSIS  
. . . **CURL (VECTORS)**  
. . . . VORTICITY  
. . . . REAL VARIABLES  
. . . . VECTOR ANALYSIS  
. . . . **CURL (VECTORS)**  
. . . . VORTICITY  
GEOMETRY  
. VECTOR ANALYSIS  
. . **CURL (VECTORS)**  
. . . VORTICITY  
RT ∞ CURL

**CURRENT ALGEBRA**

GS ALGEBRA  
. **CURRENT ALGEBRA**  
RT ∞ MATHEMATICS  
NUCLEAR PHYSICS  
VECTOR CURRENTS

**CURRENT AMPLIFIERS**

GS AMPLIFIERS  
. **CURRENT AMPLIFIERS**  
. . PHOTOMULTIPLIER TUBES  
. . . FREQUENCY MODULATION  
. . . . PHOTOMULTIPLIERS  
RT TRANSISTOR AMPLIFIERS  
VOLTAGE AMPLIFIERS

**CURRENT CONVERTERS (AC TO DC)**

RT ALTERNATING CURRENT  
∞ CONVERTERS  
CRYSTAL RECTIFIERS  
DIRECT CURRENT  
ELECTRIC CURRENT  
INVERTED CONVERTERS (DC TO AC)  
RECTIFIERS  
SILICON CONTROLLED RECTIFIERS  
THYRATRONS

**CURRENT DENSITY**

GS RATES (PER TIME)  
. FLUX DENSITY  
. . **CURRENT DENSITY**  
RT ELECTRIC CURRENT  
ELECTROLYSIS  
ELECTROPLATING  
PINNING

**CURRENT DISTRIBUTION**

GS DISTRIBUTION (PROPERTY)  
. **CURRENT DISTRIBUTION**

**CURRENT DISTRIBUTION-(CONT.)**

RT CHARGE DISTRIBUTION  
ELECTRON DISTRIBUTION  
∞ HOLE DISTRIBUTION  
HOLE DISTRIBUTION (ELECTRONICS)  
ION DISTRIBUTION  
MAGNETIC ANNULAR ARC  
NEUTRAL CURRENTS

**CURRENT REGULATORS**

UF CURRENT STABILIZERS  
GS REGULATORS  
. **CURRENT REGULATORS**  
RT CIRCUIT PROTECTION  
CONTROLLERS  
ELECTRIC CURRENT  
∞ ELECTRIC EQUIPMENT  
ELECTRIC SWITCHES  
ELECTRONIC CONTROL  
LIMITER CIRCUITS  
POWER FACTOR CONTROLLERS  
POWER SUPPLY CIRCUITS  
SWITCHING CIRCUITS  
TRANSMISSION LOSS  
VOLTAGE REGULATORS

**CURRENT SHEETS**

RT ANTENNAS  
ELECTRIC CURRENT  
MAGNETIC FLUX  
∞ SHEETS

**CURRENT STABILIZERS**

USE CURRENT REGULATORS

**∞ CURRENTS**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT AIR CURRENTS  
AIR FLOW  
BEAM CURRENTS  
CIRCULATION  
COASTAL CURRENTS  
ELECTRIC CURRENT  
EXTERNAL SURFACE CURRENTS  
FLUID FLOW  
OCEAN CURRENTS  
WATER CURRENTS

**CURRENTS (OCEANOGRAPHY)**

USE WATER CURRENTS

**CURTAINS**

RT ∞ BARRIERS  
DIVIDERS  
DOORS  
ENTRANCES  
OPENINGS  
∞ PARTITIONS  
PARTITIONS (STRUCTURES)  
∞ SCREENS  
SEPARATORS  
WALLS  
WINDOWS (APERTURES)

**CURTISS C-46 AIRCRAFT**

USE C-46 AIRCRAFT

**CURTISS-WRIGHT AIRCRAFT**

UF CURTISS-WRIGHT MILITARY AIRCRAFT  
GS **CURTISS-WRIGHT AIRCRAFT**  
. C-46 AIRCRAFT  
. X-19 AIRCRAFT  
RT ∞ AIRCRAFT

**CURTISS-WRIGHT MILITARY AIRCRAFT**

USE CURTISS-WRIGHT AIRCRAFT  
MILITARY AIRCRAFT

**CURVATURE**

GS GEOMETRY  
. **CURVATURE**  
RT CAMBER  
∞ CURVES  
CURVES (GEOMETRY)  
DIFFERENTIAL GEOMETRY  
FLEXING  
∞ PROFILES  
SHAPES  
ZERO FORCE CURVES

**CURVE FITTING**

RT DATA COMPRESSION

## CURVED BEAMS

### CURVE FITTING-(CONT.)

DATA SMOOTHING  
FORECASTING  
LEAST SQUARES METHOD  
MINIMAX TECHNIQUE  
SADDLE POINTS  
STATISTICAL DISTRIBUTIONS  
STATISTICAL TESTS  
TIME SERIES ANALYSIS

### CURVED BEAMS

GS STRUCTURAL MEMBERS  
BEAMS (SUPPORTS)  
CURVED BEAMS  
RT CAMBER  
I BEAMS

### CURVED PANELS

GS PANELS  
CURVED PANELS  
RT CONTOURS  
SHAPES  
WING PANELS

### CURVED SURFACES

USE CONTOURS  
SHAPES  
SURFACES

### ∞ CURVES

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
RT CURVATURE  
GRAPHS (CHARTS)  
LEARNING CURVES  
LIGHT CURVE  
TOROIDS  
TRAJECTORIES  
ZERO FORCE CURVES

### CURVES (GEOMETRY)

GS GEOMETRY  
CURVES (GEOMETRY)  
CATENARIES  
CYCLOIDS  
EPICYCLOIDS  
S CURVES  
GOMPERTZ CURVES  
RT ANALYTIC GEOMETRY  
∞ ARCS  
CHORDS (GEOMETRY)  
CIRCLES (GEOMETRY)  
CURVATURE  
CUSPS (MATHEMATICS)  
DIFFERENTIAL GEOMETRY  
EUCLIDEAN GEOMETRY  
GEODESIC LINES  
∞ HELICES  
HOMOTOPY THEORY  
INFLECTION POINTS  
LINE SHAPE  
MANIFOLDS (MATHEMATICS)  
MENISCI  
SEGMENTS  
∞ SPIRALS

### CURVILINEAR COORDINATES

USE SPHERICAL COORDINATES

### CUSHIONCRAFT GROUND EFFECT MACHINE

GS GROUND EFFECT MACHINES  
CUSHIONCRAFT GROUND EFFECT MACHINE  
RT HOVERING  
VERTICAL TAKEOFF AIRCRAFT

### CUSHIONS

RT AIR CUSHION LANDING SYSTEMS  
BUMPERS  
COUCHES  
GROUND EFFECT (AERODYNAMICS)  
HYDRAULIC EQUIPMENT  
∞ PAD  
PILLOWS  
PNEUMATIC EQUIPMENT  
SEATS  
SHOCK ABSORBERS  
VIBRATION ISOLATORS

### ∞ CUSPS

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*

### CUSPS-(CONT.)

RT CUSPS (LANDFORMS)  
CUSPS (MATHEMATICS)  
DOUBLE CUSPS  
POLAR CUSPS

### CUSPS (LANDFORMS)

GS LANDFORMS  
CUSPS (LANDFORMS)  
RT BEACHES  
COASTS  
∞ CUSPS  
TOPOGRAPHY

### CUSPS (MATHEMATICS)

GS GEOMETRY  
CUSPS (MATHEMATICS)  
DOUBLE CUSPS  
RT CURVES (GEOMETRY)  
∞ CUSPS  
EPICYCLOIDS  
MAXIMA  
MINIMA

### ∞ CUT-OFF

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
RT BURNOUT  
ENGINE FAILURE  
MACHINING

### CUT-OUTS

USE OPENINGS

### CUTANEOUS PERCEPTION

USE TOUCH

### CUTTERS

SN (EXCLUDES SHIPS)  
GS CUTTERS  
BLADES (CUTTERS)  
RAZOR BLADES  
DRILL BITS  
DRILLS  
SAWS  
SHEARS  
RT CUTTING  
DIES  
LASER CUTTING  
MACHINE TOOLS  
SCRAPERS  
TAPS  
TOOLS

### CUTTING

GS CUTTING  
BLANKING (CUTTING)  
LASER CUTTING  
METAL CUTTING  
MILLING (MACHINING)  
PLANING  
SCARFING  
SHEARING  
SLICING  
SPARK MACHINING  
RT ABRASION  
CHIPPING  
COMMINUTION  
CUTTERS  
DRILLING  
FLAKING  
FORMING TECHNIQUES  
FRACTURING  
GRINDING (MATERIAL REMOVAL)  
GROOVING  
MACHINING  
PEELING  
PERFORATING  
PIERCING  
SEPARATION  
SHREDDING  
SPLITTING  
TORCHES

### CV-2 AIRCRAFT

USE DHC 4 AIRCRAFT

### CV-7 AIRCRAFT

USE DHC 5 AIRCRAFT

### CV-340 AIRCRAFT

UF CONVAIR 340 AIRCRAFT  
GS COMMERCIAL AIRCRAFT

### CV-340 AIRCRAFT-(CONT.)

CV-340 AIRCRAFT  
GENERAL DYNAMICS AIRCRAFT  
CV-340 AIRCRAFT  
MONOPLANES  
CV-340 AIRCRAFT  
PASSENGER AIRCRAFT  
CV-340 AIRCRAFT  
RT ∞ AIRCRAFT

### CV-440 AIRCRAFT

UF CONVAIR 440 AIRCRAFT  
METROPOLITAN AIRCRAFT  
GS COMMERCIAL AIRCRAFT  
CV-440 AIRCRAFT  
GENERAL DYNAMICS AIRCRAFT  
CV-440 AIRCRAFT  
MONOPLANES  
CV-440 AIRCRAFT  
PASSENGER AIRCRAFT  
CV-440 AIRCRAFT  
RT ∞ AIRCRAFT

### CV-880 AIRCRAFT

UF CONVAIR 880 AIRCRAFT  
GS COMMERCIAL AIRCRAFT  
CV-880 AIRCRAFT  
GENERAL DYNAMICS AIRCRAFT  
CV-880 AIRCRAFT  
JET AIRCRAFT  
CV-880 AIRCRAFT  
MONOPLANES  
CV-880 AIRCRAFT  
PASSENGER AIRCRAFT  
CV-880 AIRCRAFT  
TRANSPORT AIRCRAFT  
CV-880 AIRCRAFT  
RT ∞ AIRCRAFT

### CV-990 AIRCRAFT

UF CONVAIR 990 AIRCRAFT  
GS COMMERCIAL AIRCRAFT  
CV-990 AIRCRAFT  
GENERAL DYNAMICS AIRCRAFT  
CV-990 AIRCRAFT  
JET AIRCRAFT  
TURBOFAN AIRCRAFT  
CV-990 AIRCRAFT  
MONOPLANES  
CV-990 AIRCRAFT  
PASSENGER AIRCRAFT  
CV-990 AIRCRAFT  
RT ∞ AIRCRAFT

### CW RADAR

USE CONTINUOUS WAVE RADAR

### CYANAMIDES

GS NITROGEN COMPOUNDS  
AMIDES  
CYANAMIDES  
CYANO COMPOUNDS  
CYANAMIDES

### CYANATES

RT ESTERS  
URETHANES

### CYANIDE EMISSION

USE CN EMISSION

### CYANIDES

GS CYANIDES  
ACETONITRILE  
CYANOGEN  
IRON CYANIDES  
MALONONITRILE  
RT CYANO COMPOUNDS  
CYANOACETYLENE  
NITROGEN COMPOUNDS

### CYANO COMPOUNDS

GS NITROGEN COMPOUNDS  
CYANO COMPOUNDS  
CYANAMIDES  
CYANOACETYLENE  
ISOCYANATES  
DIISOCYANATES  
FULMINATES  
RT ∞ CHEMICAL COMPOUNDS  
CYANIDES  
NITRILES

## CYCLIC HYDROCARBONS

## CYANOACETYLENE

- GS NITROGEN COMPOUNDS
- . CYANO COMPOUNDS
- . . **CYANOACETYLENE**
- ORGANIC COMPOUNDS
- . HYDROCARBONS
- . . **CYANOACETYLENE**
- RT ACETYLENE
- CYANIDES

## CYANOCOBALAMIN

- UF VITAMIN B 12
- GS ORGANIC COMPOUNDS
- . CYCLIC COMPOUNDS
- . . HETEROCYCLIC COMPOUNDS
- . . . **CYANOCOBALAMIN**
- VITAMINS
- . **CYANOCOBALAMIN**

## CYANOGEN

- GS CYANIDES
- . **CYANOGEN**

## CYANOPHYTA

- USE BLUE GREEN ALGAE

## CYANOSIS

- GS DISEASES
- . **CYANOSIS**
- RT BLOOD CIRCULATION
- HEART FUNCTION

## CYANURATES

- GS ESTERS
- . **CYANURATES**
- ORGANIC COMPOUNDS
- . CYCLIC COMPOUNDS
- . . HETEROCYCLIC COMPOUNDS
- . . . AZINES
- . . . **CYANURATES**
- PYRAZINES
- . AZINES
- . . **CYANURATES**

## CYANURIC ACID

- GS ACIDS
- . **CYANURIC ACID**
- HYDROXYL COMPOUNDS
- . ALCOHOLS
- . . TRIOLS
- . . . **CYANURIC ACID**
- ORGANIC COMPOUNDS
- . CYCLIC COMPOUNDS
- . . HETEROCYCLIC COMPOUNDS
- . . . AZINES
- . . . **CYANURIC ACID**
- PYRAZINES
- . AZINES
- . . **CYANURIC ACID**

## CYBER 74 COMPUTER

- USE CDC CYBER 74 COMPUTER

## CYBERNETICS

- RT ADAPTIVE CONTROL
- AUTOMATA THEORY
- ∞ AUTOMATION
- BIONICS
- COMMUNICATION THEORY
- COMPUTERS
- ∞ CONTROL
- CONTROL SYSTEMS DESIGN
- CONTROLLERS
- DEPERSONALIZATION
- FEEDBACK
- HUMAN FACTORS ENGINEERING
- INFORMATION THEORY
- LEARNING MACHINES
- MAN MACHINE SYSTEMS
- MANAGEMENT
- MODEL REFERENCE ADAPTIVE
- CONTROL
- NEURAL NETS
- PSYCHOLOGY
- ∞ SYSTEMS
- SYSTEMS ENGINEERING

## CYCLES

- UF CYCLING
- PERIODIC PROCESSES
- GS **CYCLES**
- . ACTIVITY CYCLES (BIOLOGY)
- . CARBON CYCLE
- . HYDROLOGICAL CYCLE

## CYCLES-(CONT.)

- . SOLAR CYCLES
- . . SUNSPOT CYCLE
- . STRESS CYCLES
- . THERMODYNAMIC CYCLES
- . . BRAYTON CYCLE
- . . CARNOT CYCLE
- . . OTTO CYCLE
- . . RANKINE CYCLE
- . . STIRLING CYCLE
- . . WORK-REST CYCLE
- RT ALTERNATIONS
- AMPLITUDES
- ANNUAL VARIATIONS
- CYCLIC LOADS
- DIURNAL VARIATIONS
- FATIGUE (MATERIALS)
- FREQUENCY DISTRIBUTION
- HARMONICS
- INTERMITTENCY
- LONG TERM EFFECTS
- PERIODIC VARIATIONS
- ∞ PHASES
- RECIPROCATION
- RHYTHM (BIOLOGY)
- STARTING
- SUPERHARMONICS

## CYCLIC ACCELERATORS

- GS PARTICLE ACCELERATORS
- . **CYCLIC ACCELERATORS**
- . . BETATRONS
- . . SYNCHROCYCLOTRONS
- . . SYNCHROTRONS
- . . BEVATRON
- . . STORAGE RINGS (PARTICLE
- ACCELERATORS)
- RT ∞ ACCELERATORS

## CYCLIC ADENOSINE MONOPHOSPHATE

- USE CYCLIC AMP

## CYCLIC AMP

- UF CYCLIC ADENOSINE MONOPHOSPHATE
- GS ORGANIC COMPOUNDS
- . COENZYMES
- . . **CYCLIC AMP**
- . CYCLIC COMPOUNDS
- . . HETEROCYCLIC COMPOUNDS
- . . . ADENOSINES
- . . . **CYCLIC AMP**
- . . NUCLEOTIDES
- . . ADENOSINES
- . . . **CYCLIC AMP**
- PHOSPHORUS COMPOUNDS
- PHOSPHATES
- . **CYCLIC AMP**
- RT ADRENERGICS
- ALKYNES
- AMINO ACIDS
- CHOLINERGICS
- GUANINES
- PHARMACOLOGY

## CYCLIC COMPOUNDS

- GS ORGANIC COMPOUNDS
- . **CYCLIC COMPOUNDS**
- . . CYCLIC HYDROCARBONS
- . . . ANTHRACENE
- . . . BENZENE
- . . . CHLOROBENZENES
- . . . COLCHICINE
- . . . CYCLOBUTANE
- . . . CYCLOHEXANE
- . . . CYCLOPROPANE
- . . . DURENE
- . . . INDENE
- . . . MENTHOL
- . . . NAPHTHALENE
- . . . NAPHTHENES
- . . HETEROCYCLIC COMPOUNDS
- . . . ACRIFLAVINE
- . . . ADENOSINES
- . . . ADENOSINE DIPHOSPHATE
- . . . ADENOSINE TRIPHOSPHATE
- . . . CYCLIC AMP
- . . . ALKALOIDS
- . . . ATROPINE
- . . . BETAINES
- . . . CAFFEINE
- . . . COLCHICINE
- . . . ERGOTAMINE
- . . . HYOSCINE
- . . . LYSERGINE
- . . . MORPHINE

## CYCLIC COMPOUNDS-(CONT.)

- . . . NICOTINAMIDE
- . . . NICOTINE
- . . . PILOCARPINE
- . . . RESERPINE
- . . . STRYCHNINE
- . . . TROPYL COMPOUNDS
- . . . ANISOLE
- . . . ASCORBIC ACID
- . . . AZINES
- . . . CYANURATES
- . . . CYANURIC ACID
- . . . MECLIZINE
- . . . METHYLENE BLUE
- . . . PHENOTHIAZINES
- . . . AZOLES
- . . . ACETAZOLAMIDE
- . . . OXAZOLE
- . . . PYRROLES
- . . . CARBAZOLES
- . . . INDOLES
- . . . TRYPTOPHAN
- . . . AZULENE
- . . . BIOFLAVONOIDS
- . . . BIOTIN
- . . . CARNITINE
- . . . CYANOCOBALAMIN
- . . . CYTIDYLIC ACID
- . . . DIMENHYDRINATE
- . . . ENDRIN
- . . . ETHYLENE OXIDE
- . . . FOLIC ACID
- . . . FURANS
- . . . TETRAHYDROFURAN
- . . . GUANETHIDINE
- . . . HMX
- . . . NICOTINIC ACID
- . . . PHTHALOCYANIN
- . . . PHYLLOQUINONE
- . . . PIPERIDINE
- . . . PROMETHAZINE
- . . . PURINES
- . . . ADENINES
- . . . XANTHINES
- . . . CAFFEINE
- . . . GUANINES
- . . . URIC ACID
- . . . PYRIDINES
- . . . PYRIDOXINE
- . . . PYRIMIDINES
- . . . ALLOXAN
- . . . THYMIDINE
- . . . THYMINE
- . . . URACIL
- . . . RDX
- . . . RETINENE
- . . . RIBOFLAVIN
- . . . TETRACYCLINES
- . . . TETRAZOLES
- . . . THIAMINE
- . . . THIAZINE (TRADEMARK)
- . . . TOCOPHEROL
- . . . TRIMETHADIONE
- RT ∞ CHEMICAL COMPOUNDS
- ORGANIC CHEMISTRY

## CYCLIC HYDROCARBONS

- GS ORGANIC COMPOUNDS
- . CYCLIC COMPOUNDS
- . . **CYCLIC HYDROCARBONS**
- . . . ANTHRACENE
- . . . BENZENE
- . . . CHLOROBENZENES
- . . . COLCHICINE
- . . . CYCLOBUTANE
- . . . CYCLOHEXANE
- . . . CYCLOPROPANE
- . . . DURENE
- . . . INDENE
- . . . MENTHOL
- . . . NAPHTHALENE
- . . . NAPHTHENES
- . . HYDROCARBONS
- . . **CYCLIC HYDROCARBONS**
- . . . ANTHRACENE
- . . . BENZENE
- . . . CHLOROBENZENES
- . . . COLCHICINE
- . . . CYCLOBUTANE
- . . . CYCLOHEXANE
- . . . CYCLOPROPANE
- . . . DURENE
- . . . INDENE
- . . . MENTHOL
- . . . NAPHTHALENE
- . . . NAPHTHENES

## CYCLIC LOADS

### CYCLIC HYDROCARBONS-(CONT.)

RT ALKYNES

### CYCLIC LOADS

SN (LIMITED TO FORCE LOADS)  
GS LOADS (FORCES)  
.. DYNAMIC LOADS  
.. CYCLIC LOADS  
RT CYCLES  
ELBER EQUATION  
INELASTIC STRESS  
S-N DIAGRAMS  
STRESS CYCLES  
STRUCTURAL DESIGN CRITERIA  
TRANSIENT LOADS  
VIBRATION  
VIBRATORY LOADS

### CYCLING

USE CYCLES

### CYCLOBUTANE

GS ORGANIC COMPOUNDS  
.. CYCLIC COMPOUNDS  
.. CYCLIC HYDROCARBONS  
.. CYCLOBUTANE  
.. HYDROCARBONS  
.. CYCLIC HYDROCARBONS  
.. CYCLOBUTANE

### CYCLOGENESIS

RT ARC CLOUDS  
ATMOSPHERIC CIRCULATION  
ATMOSPHERIC PRESSURE  
CYCLONES  
HURRICANES  
LOW PRESSURE  
STORMS (METEOROLOGY)

### CYCLOHEXANE

GS ORGANIC COMPOUNDS  
.. CYCLIC COMPOUNDS  
.. CYCLIC HYDROCARBONS  
.. CYCLOHEXANE  
.. HYDROCARBONS  
.. CYCLIC HYDROCARBONS  
.. CYCLOHEXANE  
RT BENZENE  
HEXENES  
HYDROGENATION

### CYCLOIDS

GS GEOMETRY  
.. CURVES (GEOMETRY)  
.. CYCLOIDS  
.. EUCLIDEAN GEOMETRY  
.. ANALYTIC GEOMETRY  
.. CYCLOIDS

### CYCLONES

SN (METEOROLOGICAL--EXCLUDES  
EQUIPMENT)  
GS STORMS  
.. STORMS (METEOROLOGY)  
.. CYCLONES  
.. HURRICANES  
.. ANNA HURRICANE  
.. TYPHOONS  
RT ANTICYCLONES  
ATMOSPHERIC PRESSURE  
BAROCLINIC WAVES  
CYCLOGENESIS  
GROUND WIND  
LOW PRESSURE  
METEOROLOGY  
PRECIPITATION (METEOROLOGY)  
STORM DAMAGE  
SYNOPTIC METEOROLOGY  
TORNADOES  
TROPICAL STORMS  
WIND (METEOROLOGY)

### CYCLONES (EQUIPMENT)

USE CENTRIFUGES

### CYCLOPROPANE

GS DRUGS  
.. ANESTHETICS  
.. CYCLOPROPANE  
ORGANIC COMPOUNDS  
.. CYCLIC COMPOUNDS  
.. CYCLIC HYDROCARBONS  
.. CYCLOPROPANE  
.. HYDROCARBONS

### CYCLOPROPANE-(CONT.)

.. CYCLIC HYDROCARBONS  
.. CYCLOPROPANE  
RT PROPANE

### CYCLOPS PLASMA ACCELERATOR

GS PLASMA ACCELERATORS  
.. CYCLOPS PLASMA ACCELERATOR  
RT .. ACCELERATORS  
PLASMAS (PHYSICS)

### CYCLOTETRAMETHYLENE TETRANITRAMINE

USE HMX

### CYCLOTRIMETHYLENE TRINITRAMINE

USE RDX

### CYCLOTRON FREQUENCY

GS FREQUENCIES  
.. CYCLOTRON FREQUENCY  
RT CHARGED PARTICLES  
LARMOR PRECESSION

### CYCLOTRON RADIATION

GS ELECTROMAGNETIC RADIATION  
.. NONTHERMAL RADIATION  
.. CYCLOTRON RADIATION  
.. ION CYCLOTRON RADIATION  
RT CHARGED PARTICLES  
LARMOR PRECESSION  
LARMOR RADIUS  
.. RADIATION

### CYCLOTRON RESONANCE

GS RESONANCE  
.. CYCLOTRON RESONANCE  
RT CHARGED PARTICLES  
DIAMAGNETISM  
ENERGY TRANSFER  
FERMI SURFACES  
ION CYCLOTRON RADIATION  
PLASMA RESONANCE

### CYCLOTRON RESONANCE DEVICES

UF GYROTRONS  
GS AMPLIFIERS  
.. MICROWAVE AMPLIFIERS  
.. CYCLOTRON RESONANCE DEVICES  
ELECTRON TUBES  
.. VACUUM TUBES  
.. MICROWAVE TUBES  
.. CYCLOTRON RESONANCE DEVICES  
MICROWAVE EQUIPMENT  
.. MICROWAVE AMPLIFIERS  
.. CYCLOTRON RESONANCE DEVICES  
.. MICROWAVE TUBES  
.. CYCLOTRON RESONANCE DEVICES  
RT CAVITY RESONATORS  
.. DEVICES  
.. DIFFRACTION RADIATION  
.. KLYSTRONS  
.. MILLIMETER WAVES  
.. POWER AMPLIFIERS  
.. TRAVELING WAVE TUBES

### CYCLOTRONS

UF CALUTRONS  
GS PARTICLE ACCELERATORS  
.. CYCLOTRONS  
.. GEOCYCLOTRONS  
.. MICROTRONS  
.. OAK RIDGE ISOCRONOUS  
.. CYCLOTRON  
.. OMEGATRONS  
.. SYNCHROCYCLOTRONS  
RT SYNCHROTRONS

### CYGNUS CONSTELLATION

GS CONSTELLATIONS  
.. CYGNUS CONSTELLATION  
RT CELESTIAL BODIES  
CELESTIAL SPHERE  
STARS

### .. CYLINDERS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT ANALYTIC GEOMETRY  
CIRCULAR CYLINDERS  
CONCENTRIC CYLINDERS  
CYLINDRICAL BODIES  
CYLINDRICAL CHAMBERS  
CYLINDRICAL SHELLS

### CYLINDERS-(CONT.)

.. DRUMS  
DRUMS (CONTAINERS)  
ELASTIC CYLINDERS  
ELLIPTICAL CYLINDERS  
HEMISPHERE CYLINDER BODIES  
MONOCOQUE STRUCTURES  
ORTHOTROPIC CYLINDERS  
OSCILLATING CYLINDERS  
PLASMA CYLINDERS  
ROTATING CYLINDERS  
VISCOELASTIC CYLINDERS

### CYLINDRICAL AFTERBODIES

USE AFTERBODIES  
CYLINDRICAL BODIES

### CYLINDRICAL ANTENNAS

GS ANTENNAS  
.. CYLINDRICAL ANTENNAS  
RT ANTENNA RADIATION PATTERNS  
RADIO EQUIPMENT

### CYLINDRICAL BODIES

UF CYLINDRICAL AFTERBODIES  
CYLINDROIDS  
GS SYMMETRICAL BODIES  
.. BODIES OF REVOLUTION  
.. CYLINDRICAL BODIES  
.. ROTATING CYLINDERS  
RT AFTERBODIES  
AIRY FUNCTION  
CENTERBODIES  
CIRCULAR CYLINDERS  
.. CYLINDERS  
CYLINDRICAL COORDINATES  
ELASTIC CYLINDERS  
ELLIPTICAL CYLINDERS  
FOREBODIES  
FUSELAGES  
HEMISPHERE CYLINDER BODIES  
ORTHOTROPIC CYLINDERS  
OSCILLATING CYLINDERS  
PLASMA CYLINDERS  
PLASTIC BODIES  
ROLLERS  
VISCOELASTIC CYLINDERS

### CYLINDRICAL CHAMBERS

RT BRAKES (FOR ARRESTING MOTION)  
.. CHAMBERS  
.. CYLINDERS

### CYLINDRICAL COORDINATES

GS COORDINATES  
.. CYLINDRICAL COORDINATES  
RT ASTRONOMICAL COORDINATES  
CARTESIAN COORDINATES  
CYLINDRICAL BODIES

### CYLINDRICAL PLASMAS

GS PARTICLES  
.. CHARGED PARTICLES  
.. ENERGETIC PARTICLES  
.. PLASMAS (PHYSICS)  
.. CYLINDRICAL PLASMAS  
PLASMA CYLINDERS  
.. CYLINDRICAL PLASMAS  
RT PINCH EFFECT

### CYLINDRICAL SHELLS

GS SHELLS (STRUCTURAL FORMS)  
.. CYLINDRICAL SHELLS  
RT CIRCULAR CYLINDERS  
CIRCULAR SHELLS  
CIRCULAR TUBES  
CONCENTRIC CYLINDERS  
.. CYLINDERS  
ELASTIC CYLINDERS  
ELLIPTICAL CYLINDERS  
METAL SHELLS  
ORTHOTROPIC CYLINDERS  
ORTHOTROPIC SHELLS  
OSCILLATING CYLINDERS  
PLASMA CYLINDERS  
PLASTIC SHELLS  
REINFORCED SHELLS  
ROTATING CYLINDERS  
THIN WALLED SHELLS  
VISCOELASTIC CYLINDERS

### CYLINDRICAL TANKS

GS TANKS (CONTAINERS)  
.. CYLINDRICAL TANKS  
RT FUEL TANKS

**CYLINDRICAL TANKS-(CONT.)**

PROPELLANT TANKS  
STORAGE TANKS

**CYLINDRICAL WAVES**

RT AXISYMMETRIC FLOW  
ELASTIC WAVES  
ELECTROMAGNETIC RADIATION  
PLANE WAVES  
SPHERICAL WAVES  
∞ WAVES

**CYLINDROIDS**

USE CYLINDRICAL BODIES

**CYPRUS**

GS LANDFORMS  
. ISLANDS  
. . . **CYPRUS**  
NATIONS  
. **CYPRUS**  
RT GREECE

**CYRILLID METEORIDS**

GS CELESTIAL BODIES  
. METEOROID SHOWERS  
. . . **CYRILLID METEORIDS**  
. METEORIDS  
. . . BOLIDES  
. . . **CYRILLID METEORIDS**  
RT NATURAL SATELLITES  
TEKTITES

**CYSTEAMINE**

GS AMINES  
. **CYSTEAMINE**  
DRUGS  
. ANTIRADIATION DRUGS  
. . . **CYSTEAMINE**  
RT AMINO ACIDS  
PROTEINS  
RADIATION PROTECTION

**CYSTEINE**

GS ACIDS  
. AMINO ACIDS  
. . . **CYSTEINE**  
DRUGS  
. **CYSTEINE**  
ORGANIC COMPOUNDS  
. AMINO ACIDS  
. . . **CYSTEINE**  
SULFUR COMPOUNDS  
. THIOLS  
. . . **CYSTEINE**  
RT PROTEINS

**CYSTIC FIBROSIS**

GS DISEASES  
. FIBROSIS  
. . . **CYSTIC FIBROSIS**  
RT TISSUES (BIOLOGY)

**CYSTS**

GS **CYSTS**  
. MUCOCELES  
NEOPLASMS  
RT TISSUES (BIOLOGY)  
TUMORS

**CYTIDYLIC ACID**

GS ACIDS  
. **CYTIDYLIC ACID**  
ORGANIC COMPOUNDS  
. CYCLIC COMPOUNDS  
. . . HETEROCYCLIC COMPOUNDS  
. . . **CYTIDYLIC ACID**

**CYTOCHROMES**

GS BIOPOLYMERS  
. PROTEINS  
. . . ENZYMES  
. . . **CYTOCHROMES**  
ORGANIC COMPOUNDS  
. PROTEINS  
. . . ENZYMES  
. . . **CYTOCHROMES**  
PIGMENTS  
. **CYTOCHROMES**  
RT CYTOGENESIS  
SKIN (ANATOMY)

**CYTOGENESIS**

GS **CYTOGENESIS**

**CYTOGENESIS-(CONT.)**

. CELL DIVISION  
. DIFFERENTIATION (BIOLOGY)  
. HEMATOPOIESIS  
. MITOSIS  
RT ∞ BIOLOGY  
CELLS (BIOLOGY)  
CYTOCHROMES  
CYTOLOGY  
CYTOPLASM  
∞ DIFFERENTIATION  
GENETICS  
HEREDITY

**CYTOLOGY**

RT BIOCHEMISTRY  
∞ BIOLOGY  
CELL MEMBRANES (BIOLOGY)  
CELLS (BIOLOGY)  
CHROMOSOMES  
CYTOGENESIS  
EUKARYOTES  
LYSOSOMES  
MITOCHONDRIA  
MITOSIS  
NUCLEI (CYTOLOGY)  
ORGANELLES  
PLASMOLYSIS  
PROKARYOTES  
SARCOPLASMIC RETICULUM

**CYTOPLASM**

RT CALMODULIN  
CELLS (BIOLOGY)  
CHLOROPLASTS  
CYTOGENESIS  
ENDOPLASMIC RETICULUM  
EOSINOPHILS  
FIBROBLASTS  
MITOSIS  
NUCLEI (CYTOLOGY)  
ORGANELLES  
SARCOPLASMIC RETICULUM

**CZECHOSLOVAKIA**

GS NATIONS  
. **CZECHOSLOVAKIA**  
RT CENTRAL EUROPE  
CZECHOSLOVAKIAN SPACECRAFT  
EUROPE

**CZECHOSLOVAKIAN SPACECRAFT**

RT **CZECHOSLOVAKIA**  
∞ SPACECRAFT

**CZOCZRALSKI METHOD**

GS GROWTH  
. CRYSTAL GROWTH  
. . . **CZOCZRALSKI METHOD**  
RT ∞ METHODOLOGY  
VERNEUIL PROCESS

**D****D LAYER**

USE D REGION

**D LINES**

GS SPECTRA  
. RADIATION SPECTRA  
. . . ELECTROMAGNETIC SPECTRA  
. . . LINE SPECTRA  
. . . . **D LINES**  
RT ABSORPTION SPECTRA  
EMISSION SPECTRA  
H LINES  
SOLAR SPECTRA

**D REGION**

SN (ALTITUDE RANGE BETWEEN  
APPROXIMATELY 50 AND 90 KM)  
UF D LAYER  
GS EARTH ATMOSPHERE  
. UPPER ATMOSPHERE  
. . . EARTH IONOSPHERE  
. . . LOWER IONOSPHERE  
. . . . **D REGION**  
REGIONS  
. **D REGION**

**D-1 SATELLITE**

GS ARTIFICIAL SATELLITES  
. FRENCH SATELLITES  
. . . **D-1 SATELLITE**

**D-2 SATELLITES**

UF D-2B SATELLITE  
POLAIRE SATELLITE  
TOURNESOLE SATELLITE  
GS ARTIFICIAL SATELLITES  
. FRENCH SATELLITES  
. . . **D-2 SATELLITES**  
. METEOROLOGICAL SATELLITES  
. . . **D-2 SATELLITES**

**D-2B SATELLITE**

USE D-2 SATELLITES

**D-558 AIRCRAFT**

UF DOUGLAS D-558 AIRCRAFT  
SKYROCKET AIRCRAFT  
SKYSTREAK AIRCRAFT  
GS JET AIRCRAFT  
. **D-558 AIRCRAFT**  
MCDONNELL DOUGLAS AIRCRAFT  
. DOUGLAS AIRCRAFT  
. . . **D-558 AIRCRAFT**  
MONOPLANES  
. **D-558 AIRCRAFT**  
RESEARCH AIRCRAFT  
. **D-558 AIRCRAFT**  
SUPERSONIC AIRCRAFT  
. **D-558 AIRCRAFT**  
RT ∞ AIRCRAFT

**DACRON (TRADEMARK)**

GS FABRICS  
. **DACRON (TRADEMARK)**  
FIBERS  
. SYNTHETIC FIBERS  
. . . **DACRON (TRADEMARK)**  
RT POLYESTER RESINS  
REINFORCING FIBERS

**DAD EXPLORER**

USE DUAL AIR DENSITY EXPLORER

**DAEMO (DATA ANALYSIS)**

USE DATA PROCESSING  
DATA REDUCTION  
DATA TRANSMISSION

**DAHOMAY**

USE BENIN

**DAKOTA AIRCRAFT**

USE C-47 AIRCRAFT

**DALTON LAW**

RT GAS COMPOSITION  
GAS DYNAMICS  
GAS-GAS INTERACTIONS  
IDEAL GAS  
PARTIAL PRESSURE  
VAPOR PRESSURE

**DAMA**

USE DEMAND ASSIGNMENT MULTIPLE  
ACCESS

**DAMAGE**

GS **DAMAGE**  
. CUMULATIVE DAMAGE  
. EARTHQUAKE DAMAGE  
. FIRE DAMAGE  
. FLOOD DAMAGE  
. FROST DAMAGE  
. IMPACT DAMAGE  
. . . METEORITIC DAMAGE  
. . . RAIN IMPACT DAMAGE  
. . . PROTON DAMAGE  
. . . RADIATION DAMAGE  
. . . LASER DAMAGE  
. . . STORM DAMAGE  
RT BURNTHROUGH (FAILURE)  
CORROSION  
DAMAGE ASSESSMENT  
DECAY  
DECOMPOSITION  
DEFECTS  
DEFORMATION  
DEGRADATION  
DESTRUCTION  
DETERIORATION



## DAMAGE ASSESSMENT

### DAMAGE-(CONT.)

DISCOLORATION  
DISINTEGRATION  
DURABILITY  
FATIGUE (BIOLOGY)  
FATIGUE (MATERIALS)  
FRACTURES (MATERIALS)  
HOT CORROSION  
IMMOBILIZATION  
IMPAIRMENT  
INJURIES  
LETHALITY  
LOSSES  
RADIATION EFFECTS  
SABOTAGE  
WARPAGE  
WEAR  
WEATHERING

### DAMAGE ASSESSMENT

GS ASSESSMENTS  
    . **DAMAGE ASSESSMENT**  
RT CASTS  
    COSTS  
    DAMAGE  
    ESTIMATES  
    MAINTENANCE  
    RECOVERABILITY  
    REPLACING  
    SPARE PARTS  
    VALUE

### DAMAGE THRESHOLD

USE YIELD POINT

### DAMKOHLER NUMBER

RT ACTIVATION ENERGY  
COMBUSTION PHYSICS  
DIFFUSION FLAMES  
FLAME PROPAGATION  
∞ NUMBERS  
    REACTION KINETICS

### DAMP PROGRAM

USE DOWNRANGE ANTIMISSILE  
    MEASUREMENT PROGRAM

### ∞ DAMPERS

SN *(USE OF A MORE SPECIFIC TERM IS  
    RECOMMENDED--CONSULT THE TERMS  
    LISTED BELOW)*  
RT BLANKETS (FISSION REACTORS)  
DAMPERS (VALVES)  
NUTATION DAMPERS  
OSCILLATION DAMPERS  
VIBRATION ISOLATORS

### DAMPERS (VALVES)

GS VALVES  
    . BUTTERFLY VALVES  
    . **DAMPERS (VALVES)**  
RT AUTOMATIC CONTROL VALVES  
∞ DAMPERS  
    GAS VALVES  
    VIBRATION ISOLATORS

### DAMPING

UF DAMPING FACTOR  
DAMPING IN PITCH  
DAMPING IN ROLL  
DAMPING IN YAW  
ELASTIC STABILITY  
JET DAMPING  
GS **DAMPING**  
    . ELASTIC DAMPING  
    . . . VISCOELASTIC DAMPING  
    . LANDAU DAMPING  
    . VIBRATION DAMPING  
    . VISCOUS DAMPING  
    . . . VISCOELASTIC DAMPING  
RT ∞ ABSORPTION  
ATTENUATION  
BAFFLES  
DECELERATION  
DISSIPATION  
DYNAMIC CHARACTERISTICS  
DYNAMIC RESPONSE  
DYNAMIC STABILITY  
ENERGY ABSORPTION  
GYROSCOPE FLUIDS  
GYROSCOPIC PENDULUMS  
GYROSCOPIC STABILITY  
HYSTERESIS  
IMPEDANCE  
INSULATION

### DAMPING-(CONT.)

INTERNAL FRICTION  
MECHANICAL IMPEDANCE  
MUFFLERS  
NEGATIVE FEEDBACK  
OSCILLATIONS  
∞ REDUCTION  
∞ RESISTANCE  
RESONANT FREQUENCIES  
RESONANT VIBRATION  
RETARDING  
SEA KEEPING  
SHOCK ABSORBERS  
SILENCERS  
STABILITY DERIVATIVES  
STOPPING  
SUBHARMONIC GENERATORS  
SUPPRESSORS  
TIME CONSTANT  
TRANSFER FUNCTIONS  
TRANSIENT OSCILLATIONS  
TRANSIENT RESPONSE  
VIBRATION ISOLATORS  
WAVE INTERACTION

### DAMPING FACTOR

USE DAMPING

### DAMPING IN PITCH

USE DAMPING  
PITCH (INCLINATION)

### DAMPING IN ROLL

USE DAMPING  
ROLL

### DAMPING IN YAW

USE DAMPING  
YAW

### DAMPING TESTS

GS VIBRATION TESTS  
    . **DAMPING TESTS**  
    . . STROKING TESTS  
RT RESONANCE TESTING  
STABILITY TESTS  
∞ TESTS  
    VIBRATION MEASUREMENT

### DAMPNESS

USE MOISTURE CONTENT

### DAMS

RT ∞ BARRAGES  
∞ BARRIERS  
FLOOD CONTROL  
HYDROELECTRICITY  
RESERVOIRS  
WHARVES

### DANGER

USE HAZARDS

### DARK ADAPTATION

GS ADAPTATION  
    . RETINAL ADAPTATION  
    . . **DARK ADAPTATION**  
RT DARKNESS  
NIGHT VISION  
PUPILLOMETRY  
VISION  
VISUAL PIGMENTS

### DARK MATTER

GS EXTRATERRESTRIAL MATTER  
INTERSTELLAR MATTER  
    . **DARK MATTER**  
    MATTER (PHYSICS)  
    . **DARK MATTER**  
RT BARYONS  
COOLING FLOWS (ASTROPHYSICS)  
COSMOLOGY  
GALACTIC EVOLUTION  
INTERGALACTIC MEDIA  
MISSING MASS (ASTROPHYSICS)  
NEUTRINOS  
UNIVERSE

### DARKENING

GS **DARKENING**  
    . LIMB DARKENING  
RT DARKNESS  
∞ ILLUMINATION  
    NIGHT

### DARKENING-(CONT.)

VISIBILITY

### DARKNESS

RT COLOR  
DARK ADAPTATION  
DARKENING  
DIURNAL VARIATIONS  
ILLUMINATING  
∞ ILLUMINATION  
LIGHT (VISIBLE RADIATION)  
NIGHT  
NIGHT FLIGHTS (AIRCRAFT)  
OPTICAL PROPERTIES  
SHADOWS

### DARKROOMS

GS ROOMS  
    . **DARKROOMS**  
RT PHOTOGRAPHIC PROCESSING  
PHOTOGRAPHIC PROCESSING  
EQUIPMENT  
PHOTOGRAPHY

### DART TURBOPROP ENGINES

USE TURBOPROP ENGINES

### DASH HELICOPTER

USE QH-50 HELICOPTER

### DASSAULT AIRCRAFT

GS **DASSAULT AIRCRAFT**  
    . MIRAGE AIRCRAFT  
    . . MIRAGE 3 AIRCRAFT  
    . . MYSTERE 20 AIRCRAFT  
RT ∞ AIRCRAFT  
    MYSTERE 50 AIRCRAFT

### DASSAULT MIRAGE 3 AIRCRAFT

USE MIRAGE 3 AIRCRAFT

### DASSAULT MYSTERE 20 AIRCRAFT

USE MYSTERE 20 AIRCRAFT

### DASSAULT MYSTERE 50 AIRCRAFT

USE MYSTERE 50 AIRCRAFT

### DAST PROGRAM

SN (DRONES FOR AERODYNAMIC AND  
STRUCTURAL TESTING)  
UF DRONES FOR AERODYNAMIC AND  
STRUCT TEST  
GS PROGRAMS  
    . NASA PROGRAMS  
    . . **DAST PROGRAM**  
RT AEROELASTICITY  
AIRCRAFT CONTROL  
AIRCRAFT DESIGN  
DRONE AIRCRAFT  
FLIGHT TESTS  
FLUTTER  
REMOTELY PILOTED VEHICLES  
VIBRATION DAMPING

### ∞ DATA

SN *(USE OF A MORE SPECIFIC TERM IS  
    RECOMMENDED--CONSULT THE TERMS  
    LISTED BELOW)*  
RT ANALOG DATA  
AUDIO DATA  
BINARY DATA  
BIOMEDICAL DATA  
CENSORED DATA (MATHEMATICS)  
CHANNELS (DATA TRANSMISSION)  
CONTROL DATA (COMPUTERS)  
DATA ACQUISITION  
DATA BASE MANAGEMENT SYSTEMS  
DATA BASES  
DATA COLLECTION PLATFORMS  
DATA COMPRESSION  
DATA CONVERSION ROUTINES  
DATA CONVERTERS  
DATA CORRELATION  
DATA LINKS  
DATA MANAGEMENT  
DATA PROCESSING  
DATA PROCESSING EQUIPMENT  
DATA PROCESSING TERMINALS  
DATA RECORDERS  
DATA RECORDING  
DATA RETRIEVAL  
DATA SAMPLING  
DATA SMOOTHING

## DATA PROCESSING

### DATA-(CONT.)

DATA STORAGE  
DATA SYSTEMS  
DATA TRANSMISSION  
DATUM (ELEVATION)  
DIGITAL DATA  
END-TO-END DATA SYSTEMS  
INFORMATION  
INTERSERVICE DATA EXCHANGE  
PROGRAM  
∞ MEASUREMENT  
OCEAN DATA ACQUISITIONS SYSTEMS  
ONBOARD DATA PROCESSING  
OPTICAL DATA PROCESSING  
OPTICAL DATA STORAGE MATERIALS  
OPTICAL MEMORY (DATA STORAGE)  
PRINTERS (DATA PROCESSING)  
RADAR DATA  
RECORDS  
SITE DATA PROCESSORS  
SPACE FLIGHT TRACKING AND DATA  
NETWORK  
STATISTICAL ANALYSIS  
STATISTICAL TESTS  
∞ STATISTICS  
TABLES (DATA)  
VIDEO DATA  
VOICE DATA PROCESSING  
WEATHER DATA RECORDERS  
WORLD DATA CENTERS

### DATA ACQUISITION

GS ACQUISITION  
DATA ACQUISITION  
RT ADVANCED RANGE INSTRUMENTATION  
AIRCRAFT  
ALOUETTE PROJECT  
ANALOG TO DIGITAL CONVERTERS  
AUTOMATIC WEATHER STATIONS  
COUNTING  
∞ DATA  
DEEP SPACE INSTRUMENTATION  
FACILITY  
DETECTION  
EARTH OBSERVATIONS (FROM SPACE)  
END-TO-END DATA SYSTEMS  
FORMS (PAPER)  
GLOBAL TRACKING NETWORK  
GROUND STATIONS  
INFRARED RADIOMETERS  
METEOROLOGICAL RESEARCH  
AIRCRAFT  
NEEDS (DATA SYSTEM)  
NEWS MEDIA  
OBSERVATION  
OCEAN DATA ACQUISITIONS SYSTEMS  
OPTICAL DATA PROCESSING  
OPTICAL SCANNERS  
REMOTE SENSORS  
∞ SENSORS  
SPACE FLIGHT TRACKING AND DATA  
NETWORK  
STDN (NETWORK)  
SURVEYS  
TABLES (DATA)  
TRACKING NETWORKS

### DATA ADAPTIVE EVALUATOR/MONITOR

USE DATA PROCESSING  
DATA REDUCTION  
DATA TRANSMISSION

### DATA ANALYSIS

USE DATA PROCESSING  
DATA REDUCTION

### DATA BASE MANAGEMENT SYSTEMS

RT ∞ DATA  
DATA BASES  
DATA MANAGEMENT  
INFORMATION MANAGEMENT  
MANAGEMENT INFORMATION SYSTEMS  
SOFTWARE TOOLS  
∞ SYSTEMS

### DATA BASES

RT ∞ BASES  
∞ DATA  
DATA BASE MANAGEMENT SYSTEMS  
DATA STRUCTURES  
SOFTWARE ENGINEERING

### DATA BUSSES

USE CHANNELS (DATA TRANSMISSION)

### DATA COLLECTION PLATFORMS

RT ARGOS SYSTEM  
AUTOMATIC WEATHER STATIONS  
∞ DATA  
GROUND STATIONS  
INSTRUMENT PACKAGES  
INTEGRATED GLOBAL OCEAN STATION  
SYSTEMS  
REMOTE SENSORS

### DATA COMPACTION

USE DATA COMPRESSION

### DATA COMPRESSION

UF DATA COMPACTION  
RT CURVE FITTING  
∞ DATA  
DECODING  
FOURIER ANALYSIS  
TELECOMMUNICATION  
TELEMETRY

### DATA CONVERSION ROUTINES

GS DATA CONVERSION ROUTINES  
SUBROUTINES  
RT ALGORITHMS  
COMPILERS  
COMPUTER PROGRAMS  
∞ CONVERSION  
∞ DATA  
∞ ROUTINES

### DATA CONVERTERS

GS DATA CONVERTERS  
ANALOG TO DIGITAL CONVERTERS  
BINARY TO DECIMAL CONVERTERS  
DECIMAL TO BINARY CONVERTERS  
DIGITAL TO ANALOG CONVERTERS  
RT ANALOG CIRCUITS  
ANALOG DATA  
COMPUTERS  
CONVERSION TABLES  
∞ CONVERTERS  
∞ DATA  
DECODERS  
DIGITAL DATA  
TRANSDUCERS  
VIDEO DATA

### DATA CORRELATION

GS CORRELATION  
DATA CORRELATION  
DATA PROCESSING  
RT DATA CORRELATION  
ANGULAR CORRELATION  
AUTOCORRELATION  
CROSS CORRELATION  
∞ DATA  
STATISTICAL ANALYSIS  
STATISTICAL CORRELATION  
TELECONNECTIONS (METEOROLOGY)  
TEMPERATURE RATIO

### DATA FLOW ANALYSIS

RT COMPUTER PROGRAMS  
COMPUTER SYSTEMS PROGRAMS  
DATA SIMULATION  
DATA TRANSFER (COMPUTERS)  
FLOW CHARTS  
NETWORK ANALYSIS  
SEQUENTIAL CONTROL

### DATA HANDLING SYSTEMS

USE DATA SYSTEMS

### DATA INTEGRATION

RT DATA MANAGEMENT  
DATA SIMULATION

### DATA LINKS

GS TELECOMMUNICATION  
DATA LINKS  
RT CHANNELS (DATA TRANSMISSION)  
COMMUNICATION NETWORKS  
∞ DATA  
DECOMMUTATORS  
DISCRETE ADDRESS BEACON SYSTEM  
FREQUENCY REUSE  
PROTOCOL (COMPUTERS)  
RADIO RECEIVERS  
RADIO RELAY SYSTEMS  
REMOTE CONSOLES  
SITE DATA PROCESSORS  
TELEMETRY

### DATA LINKS-(CONT.)

WIRELESS COMMUNICATION

### DATA MANAGEMENT

GS MANAGEMENT  
DATA MANAGEMENT  
RT ∞ DATA  
DATA BASE MANAGEMENT SYSTEMS  
DATA INTEGRATION  
DATA SIMULATION  
FRAMES (DATA PROCESSING)  
ON-LINE SYSTEMS  
SURVEYS  
TABLES (DATA)  
VIRTUAL MEMORY SYSTEMS

### DATA PROCESSING

SN (LIMITED TO MECHANICAL OR  
ELECTRONIC MANIPULATION OF DATA)  
UF AUTOMATIC DATA PROCESSING  
DAEMO (DATA ANALYSIS)  
DATA ADAPTIVE EVALUATOR/MONITOR  
DATA ANALYSIS  
GS DATA PROCESSING  
ASSOCIATIVE PROCESSING  
(COMPUTERS)  
BATCH PROCESSING  
CENSORED DATA (MATHEMATICS)  
CENTRAL ELECTRONIC MANAGEMENT  
SYSTEM  
CONCURRENT PROCESSING  
DATA CORRELATION  
DATA REDUCTION  
DATA SMOOTHING  
DATA RETRIEVAL  
DATA STORAGE  
DATA TRANSFER (COMPUTERS)  
DISTRIBUTED PROCESSING  
KARHUNEN-LOEVE EXPANSION  
MULTIPROCESSING (COMPUTERS)  
ONBOARD DATA PROCESSING  
OPTICAL DATA PROCESSING  
SCENE ANALYSIS  
PARALLEL PROCESSING (COMPUTERS)  
PIPELINING (COMPUTERS)  
SIGNAL ANALYSIS  
CEPSTRAL ANALYSIS  
SIGNAL PROCESSING  
VOICE DATA PROCESSING  
CEPSTRAL ANALYSIS  
RT ACCESS TIME  
ADJOINTS  
AIRBORNE/SPACEBORNE COMPUTERS  
ANALOG DATA  
ATMOSPHERIC & OCEANOGRAPHIC  
INFORM SYS  
∞ AUTOMATION  
BINARY DATA  
BINARY TO DECIMAL CONVERTERS  
BUBBLE MEMORY DEVICES  
CHANNELS (DATA TRANSMISSION)  
COMPUTATION  
COMPUTER INFORMATION SECURITY  
COMPUTER PROGRAMS  
COMPUTER SYSTEMS PROGRAMS  
COMPUTERS  
DATA STRUCTURES  
DECIMAL TO BINARY CONVERTERS  
DIGITAL COMPUTERS  
DIGITAL DATA  
EDITING  
EDITING ROUTINES (COMPUTERS)  
END-TO-END DATA SYSTEMS  
FIXED POINT ARITHMETIC  
FLOATING POINT ARITHMETIC  
FRAMES (DATA PROCESSING)  
IMAGE PROCESSING  
INFORMATION RETRIEVAL  
INFORMATION THEORY  
INTERROGATION  
LANGUAGE PROGRAMMING  
MECHANIZATION  
MICROPROCESSORS  
NATURAL LANGUAGE (COMPUTERS)  
NEEDS (DATA SYSTEM)  
ON-LINE SYSTEMS  
PERIPHERAL EQUIPMENT (COMPUTERS)  
PREPROCESSING  
∞ PROCESSING  
PROTOCOL (COMPUTERS)  
RCA COMPUTERS  
RECORDS  
RESPONSE TIME (COMPUTERS)  
SITE DATA PROCESSORS  
SYMBOLS

## DATA PROCESSING EQUIPMENT

### DATA PROCESSING-(CONT.)

SYSTEMS ENGINEERING  
TABLES (DATA)  
TABULATION PROCESSES  
TELECOMMUNICATION  
WORD PROCESSING

### DATA PROCESSING EQUIPMENT

UF DATA PROCESSORS  
GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
ANALOG COMPUTERS  
EAI 680 COMPUTER  
HONEYWELL 600/6000 COMPUTER  
SIGMA 5 COMPUTER  
UNIVAC 1100 SERIES COMPUTERS  
CDC COMPUTERS  
CDC CYBER 74 COMPUTER  
CDC CYBER 170 SERIES  
COMPUTERS  
CDC CYBER 175 COMPUTER  
CDC CYBER 174 COMPUTER  
CDC CYBER 203 COMPUTER  
CDC CYBER 205 COMPUTER  
CDC STAR 100 COMPUTER  
CDC 160-A COMPUTER  
CDC 1604 COMPUTER  
CDC 3100 COMPUTER  
CDC 3200 COMPUTER  
CDC 3600 COMPUTER  
CDC 3800 COMPUTER  
CDC 6000 SERIES COMPUTERS  
CDC 6400 COMPUTER  
CDC 6600 COMPUTER  
CDC 6700 COMPUTER  
CDC 7000 SERIES COMPUTERS  
CDC 7600 COMPUTER  
CDC 8090 COMPUTER  
COUNTING RATE COMPUTERS  
DDP COMPUTERS  
DDP 516 COMPUTER  
DIGITAL COMPUTERS  
CDC CYBER 74 COMPUTER  
CDC CYBER 170 SERIES  
COMPUTERS  
CDC CYBER 174 COMPUTER  
CDC CYBER 203 COMPUTER  
CDC CYBER 205 COMPUTER  
CDC STAR 100 COMPUTER  
CDC 160-A COMPUTER  
CDC 1604 COMPUTER  
CDC 3100 COMPUTER  
CDC 3200 COMPUTER  
CDC 3600 COMPUTER  
CDC 3800 COMPUTER  
CDC 6000 SERIES COMPUTERS  
CDC 6400 COMPUTER  
CDC 6600 COMPUTER  
CDC 6700 COMPUTER  
CDC 7000 SERIES COMPUTERS  
CDC 7600 COMPUTER  
CDC 8090 COMPUTER  
EAI 680 COMPUTER  
EAI 8400 COMPUTER  
EAI 8900 COMPUTER  
EMR 6050 COMPUTER  
FERRANTI MERCURY COMPUTER  
GE COMPUTERS  
GE 625 COMPUTER  
GE 635 COMPUTER  
HEWLETT-PACKARD COMPUTERS  
HONEYWELL COMPUTERS  
DDP 516 COMPUTER  
HONEYWELL ADEPT COMPUTER  
HONEYWELL DDP 116 COMPUTER  
HONEYWELL 600/6000 COMPUTER  
IBM 360 COMPUTER  
IBM 370 COMPUTER  
IBM 650 COMPUTER  
IBM 704 COMPUTER  
IBM 709 COMPUTER  
IBM 1130 COMPUTER  
IBM 1401 COMPUTER  
IBM 1410 COMPUTER  
IBM 1620 COMPUTER  
IBM 2250 COMPUTER  
IBM 7000 SERIES COMPUTERS  
IBM 7030 COMPUTER  
IBM 7040 COMPUTER  
IBM 7044 COMPUTER  
IBM 7070 COMPUTER  
IBM 7074 COMPUTER  
IBM 7090 COMPUTER  
IBM 7094 COMPUTER  
ICL COMPUTERS  
ILLIAC COMPUTERS

### DATA PROCESSING EQUIPMENT-(CONT.)

ILLIAC 3 COMPUTER  
ILLIAC 4 COMPUTER  
MICROCOMPUTERS  
PERSONAL COMPUTERS  
MINICOMPUTERS  
NOVA COMPUTERS  
MODCOMP II COMPUTER  
MODCOMP IV COMPUTER  
PARALLEL COMPUTERS  
MIMD (COMPUTERS)  
SIMD (COMPUTERS)  
PDP COMPUTERS  
PDP 7 COMPUTER  
PDP 8 COMPUTER  
PDP 9 COMPUTER  
PDP 10 COMPUTER  
PDP 11 COMPUTER  
PDP 11/20 COMPUTER  
PDP 11/40 COMPUTER  
PDP 11/45 COMPUTER  
PDP 11/50 COMPUTER  
PDP 11/70 COMPUTER  
PDP 12 COMPUTER  
PDP 15 COMPUTER  
PHILCO 2000 COMPUTER  
RAYTHEON COMPUTERS  
RCA SPECTRA 70 COMPUTER  
SDS 900 SERIES COMPUTERS  
SDS 930 COMPUTER  
SDS 9300 COMPUTER  
SEL COMPUTERS  
SEQUENTIAL COMPUTERS  
SIGMA COMPUTERS  
SIGMA 9 COMPUTER  
SIGMA 5 COMPUTER  
SOLOMON COMPUTERS  
UNIVAC LARC COMPUTER  
UNIVAC 80 COMPUTER  
UNIVAC 418 COMPUTER  
UNIVAC 490 COMPUTER  
UNIVAC 494 COMPUTER  
UNIVAC 1100 SERIES COMPUTERS  
UNIVAC 1105 COMPUTER  
UNIVAC 1106 COMPUTER  
UNIVAC 1107 COMPUTER  
UNIVAC 1108 COMPUTER  
UNIVAC 1110 COMPUTER  
UNIVAC 1230 COMPUTER  
VAX COMPUTERS  
VAX-11 SERIES COMPUTERS  
VAX-11/780 COMPUTER  
EMBEDDED COMPUTER SYSTEMS  
AIRBORNE/SPACEBORNE  
COMPUTERS  
HYBRID COMPUTERS  
HYPERCUBE MULTIPROCESSORS  
IBM COMPUTERS  
IBM 360 COMPUTER  
IBM 370 COMPUTER  
IBM 650 COMPUTER  
IBM 704 COMPUTER  
IBM 709 COMPUTER  
IBM 1130 COMPUTER  
IBM 1401 COMPUTER  
IBM 1410 COMPUTER  
IBM 1620 COMPUTER  
IBM 2250 COMPUTER  
IBM 7000 SERIES COMPUTERS  
IBM 7030 COMPUTER  
IBM 7040 COMPUTER  
IBM 7044 COMPUTER  
IBM 7070 COMPUTER  
IBM 7074 COMPUTER  
IBM 7090 COMPUTER  
IBM 7094 COMPUTER  
MINOS COMPUTER  
OPTICAL COMPUTERS  
PEGASUS COMPUTER  
RCA COMPUTERS  
RCA SPECTRA 70 COMPUTER  
RCA-110 COMPUTERS  
SIEMENS 2002 COMPUTER  
SITE DATA PROCESSORS  
SUPERCOMPUTERS  
CRAY COMPUTERS  
UNIVAC COMPUTERS  
UNIVAC LARC COMPUTER  
UNIVAC 80 COMPUTER  
UNIVAC 418 COMPUTER  
UNIVAC 490 COMPUTER  
UNIVAC 494 COMPUTER  
UNIVAC 1100 SERIES COMPUTERS  
UNIVAC 1105 COMPUTER  
UNIVAC 1106 COMPUTER  
UNIVAC 1107 COMPUTER

### DATA PROCESSING EQUIPMENT-(CONT.)

UNIVAC 1108 COMPUTER  
UNIVAC 1110 COMPUTER  
UNIVAC 1230 COMPUTER  
DATA PROCESSING TERMINALS  
MICROPROCESSORS  
INTEL 8080 MICROPROCESSOR  
PERIPHERAL EQUIPMENT  
(COMPUTERS)  
PRINTERS (DATA PROCESSING)  
REMOTE CONSOLES  
BATCH PROCESSING  
COMPUTER COMPATIBLE TAPES  
COMPUTER SYSTEMS SIMULATION  
CONTROL UNITS (COMPUTERS)  
DATA  
DIGITAL RADAR SYSTEMS  
EQUIPMENT  
INTERFACES  
MULTIPROCESSING (COMPUTERS)  
OPTICAL DATA PROCESSING  
PIPELINING (COMPUTERS)  
PRINTERS  
SIMULATION

### DATA PROCESSING TERMINALS

GS DATA PROCESSING EQUIPMENT  
DATA PROCESSING TERMINALS  
RT COMPUTER GRAPHICS  
CONSOLES  
DATA  
MAN MACHINE SYSTEMS  
MAN-COMPUTER INTERFACE  
REMOTE CONSOLES  
TERMINALS

### DATA PROCESSORS

USE DATA PROCESSING EQUIPMENT

### DATA READOUT SYSTEMS

USE DATA SYSTEMS  
DISPLAY DEVICES

### DATA RECORDERS

RT BUBBLE MEMORY DEVICES  
BUBBLE TECHNIQUE  
COUNTERS  
DATA  
DISPLAY DEVICES  
MONITORS  
PUNCHED CARDS  
RECORDERS  
RECORDING INSTRUMENTS  
TAPE RECORDERS  
VIDEO DISKS

### DATA RECORDING

GS RECORDING  
DATA RECORDING  
RT BUBBLE MEMORY DEVICES  
DATA  
MAGNETIC RECORDING  
MAGNETIC STORAGE  
OPTICAL DATA STORAGE MATERIALS  
PHOTOGRAPHIC RECORDING  
PUNCHED CARDS  
PUNCHED TAPES  
RECORDING HEADS  
RECORDS  
TABLES (DATA)  
TABULATION PROCESSES  
VIDEO DISKS

### DATA REDUCTION

UF DAEMO (DATA ANALYSIS)  
DATA ADAPTIVE EVALUATOR/MONITOR  
DATA ANALYSIS  
TARE (DATA REDUCTION)  
GS DATA PROCESSING  
DATA REDUCTION  
DATA SMOOTHING  
RT COMPUTATION  
DATA  
EDITING  
PREPROCESSING  
REDUCTION  
TABLES (DATA)

### DATA RETRIEVAL

GS DATA PROCESSING  
DATA RETRIEVAL  
RETRIEVAL  
DATA RETRIEVAL  
RT DATA  
DATA TRANSFER (COMPUTERS)

**DATA RETRIEVAL-(CONT.)**

DOCUMENTATION  
 INFORMATION MANAGEMENT  
 INFORMATION RETRIEVAL  
 INTERSERVICE DATA EXCHANGE  
 PROGRAM  
 LIBRARIES  
 MANAGEMENT INFORMATION SYSTEMS  
 MICROFILMS  
 SEARCH PROFILES  
 TABLES (DATA)  
 TELEMETRY  
 WORLD DATA CENTERS

**DATA SAMPLING**

UF SAMPLED DATA  
 SAMPLED DATA SYSTEMS  
 GS SAMPLING  
 . DATA SAMPLING  
 RT COMPUTER SYSTEMS PERFORMANCE  
 ∞ DATA  
 QUALITY CONTROL  
 TELECOMMUNICATION  
 TIME SERIES ANALYSIS

**DATA SIMULATION**

RT DATA FLOW ANALYSIS  
 DATA INTEGRATION  
 DATA MANAGEMENT  
 SIMULATION

**DATA SMOOTHING**

GS DATA PROCESSING  
 . DATA REDUCTION  
 . DATA SMOOTHING  
 RECORDING  
 . DATA SMOOTHING  
 SMOOTHING  
 . DATA SMOOTHING  
 RT CURVE FITTING  
 ∞ DATA

**DATA STORAGE**

GS DATA PROCESSING  
 . DATA STORAGE  
 RT BUBBLE MEMORY DEVICES  
 BUFFER STORAGE  
 CARDS  
 CORE STORAGE  
 ∞ DATA  
 DATA TRANSFER (COMPUTERS)  
 DOCUMENT STORAGE  
 FLIP-FLOPS  
 HOLOGRAPHY  
 INFORMATION MANAGEMENT  
 INTERSERVICE DATA EXCHANGE  
 PROGRAM  
 MAGNETIC STORAGE  
 MANAGEMENT INFORMATION SYSTEMS  
 MICROFILMS  
 MICROPHOTOGRAPHS  
 OPTICAL DATA STORAGE MATERIALS  
 OPTICAL DISKS  
 PUNCHED CARDS  
 SELECTIVE DISSEMINATION OF  
 INFORMATION  
 ∞ STORAGE  
 VIDEO DISKS  
 VIRTUAL MEMORY SYSTEMS  
 WHITE LIGHT HOLOGRAPHY  
 WORLD DATA CENTERS

**DATA STRUCTURES**

RT COMPUTER PROGRAMMING  
 DATA BASES  
 DATA PROCESSING

**DATA SYSTEMS**

UF DATA HANDLING SYSTEMS  
 DATA READOUT SYSTEMS  
 GS DATA SYSTEMS  
 . AIR DATA SYSTEMS  
 . NEEDS (DATA SYSTEM)  
 RT ATMOSPHERIC & OCEANOGRAPHIC  
 INFORM SYS  
 CONTROL DATA (COMPUTERS)  
 ∞ DATA  
 DATA TRANSFER (COMPUTERS)  
 DIGITAL SYSTEMS  
 EARTH RESOURCES INFORMATION  
 SYSTEM  
 END-TO-END DATA SYSTEMS  
 GEOGRAPHIC INFORMATION SYSTEMS  
 MANAGEMENT INFORMATION SYSTEMS  
 ∞ SYSTEMS

**DATA TRANSFER (COMPUTERS)**

GS DATA PROCESSING  
 . DATA TRANSFER (COMPUTERS)  
 RT COMPUTER PROGRAMS  
 DATA FLOW ANALYSIS  
 DATA RETRIEVAL  
 DATA STORAGE  
 DATA SYSTEMS  
 DATA TRANSMISSION

**DATA TRANSMISSION**

UF DAEMO (DATA ANALYSIS)  
 DATA ADAPTIVE EVALUATOR/MONITOR  
 INFORMATION TRANSMISSION  
 GS TRANSMISSION  
 . SIGNAL TRANSMISSION  
 . DATA TRANSMISSION  
 . . . AUTOMATIC PICTURE  
 TRANSMISSION  
 . . . MULTIPLE ACCESS  
 . . . ALOHA SYSTEM  
 . . . CODE DIVISION MULTIPLE ACCESS  
 . . . FREQUENCY DIVISION MULTIPLE  
 ACCESS  
 . . . PACKET TRANSMISSION  
 . . . ALOHA SYSTEM  
 . . . SINGLE CHANNEL PER CARRIER  
 TRANSMISSION  
 RT ACCESS CONTROL  
 ARGOS SYSTEM  
 AUDIO DATA  
 CARRIER TO NOISE RATIOS  
 CHANNELS (DATA TRANSMISSION)  
 CODE DIVISION MULTIPLEXING  
 CODING  
 COMMUNICATION THEORY  
 CONCATENATED CODES  
 ∞ DATA  
 DATA TRANSFER (COMPUTERS)  
 DEEP SPACE INSTRUMENTATION  
 FACILITY  
 ELECTRONIC MAIL  
 FM/PM (MODULATION)  
 FREQUENCY DIVISION MULTIPLEXING  
 INFORMATION THEORY  
 INTERSYMBOLIC INTERFERENCE  
 LASER APPLICATIONS  
 LOCAL AREA NETWORKS  
 MODEMS  
 MULTIPLEXING  
 PACKET SWITCHING  
 PACKETS (COMMUNICATION)  
 PROTOCOL (COMPUTERS)  
 PULSE COMMUNICATION  
 RADIO TELEMETRY  
 RADIO TRANSMISSION  
 READING  
 REDUNDANCY ENCODING  
 SATELLITE TRANSMISSION  
 SHIP TO SHORE COMMUNICATION  
 TDR SATELLITES  
 TELECOMMUNICATION  
 TELEMETRY  
 TRANSMISSION EFFICIENCY  
 VIDEO DATA  
 WIRELESS COMMUNICATION

**DATING**

USE CHRONOLOGY  
 TIME MEASUREMENT

**DATUM (ELEVATION)**

RT CLEARANCES  
 CONTOURS  
 ∞ DATA  
 ELEVATION ANGLE  
 HYPSONOGRAPHY  
 LEVELING  
 MAPS  
 SURVEYS

**DAWN CHORUS**

UF CHORUS (DAWN PHENOMENON)  
 CHORUS PHENOMENON  
 GS ATMOSPHERIC RADIATION  
 . DAWN CHORUS  
 . ELECTROMAGNETIC INTERFERENCE  
 . RADIO FREQUENCY INTERFERENCE  
 . . . ELECTROMAGNETIC NOISE  
 . . . ATMOSPHERICS  
 . . . IONOSPHERICS  
 . . . DAWN CHORUS  
 RT AURORAS  
 MAGNETIC STORMS  
 WHISTLERS

**DAWSONITE**

GS MINERALS  
 . DAWSONITE  
 RT ALUMINUM  
 SODIUM  
 SODIUM CARBONATES

**DAYGLOW**

GS ATMOSPHERIC RADIATION  
 . SKY RADIATION  
 . . DAYGLOW  
 ELECTROMAGNETIC RADIATION  
 . LIGHT (VISIBLE RADIATION)  
 . . SKY RADIATION  
 . . . DAYGLOW  
 RT GLARE  
 LIGHT SOURCES  
 SKY  
 SOLAR RADIATION  
 TWILIGHT GLOW  
 ULTRAVIOLET RADIATION

**DAYTIME**

RT DIURNAL VARIATIONS  
 EVENING  
 MORNING  
 NIGHT  
 NOON  
 SKY BRIGHTNESS

**DBS (SATELLITES)**

USE DIRECT BROADCAST SATELLITES

**DC (CURRENT)**

USE DIRECT CURRENT

**DC 3 AIRCRAFT**

UF DOUGLAS DC-3 AIRCRAFT  
 GS COMMERCIAL AIRCRAFT  
 . DC 3 AIRCRAFT  
 MCDONNELL DOUGLAS AIRCRAFT  
 . DOUGLAS AIRCRAFT  
 . . DC 3 AIRCRAFT  
 MONOPLANES  
 . DC 3 AIRCRAFT  
 TRANSPORT AIRCRAFT  
 . CARGO AIRCRAFT  
 . . DC 3 AIRCRAFT  
 RT ∞ AIRCRAFT

**DC 7 AIRCRAFT**

UF DOUGLAS DC-7 AIRCRAFT  
 GS COMMERCIAL AIRCRAFT  
 . DC 7 AIRCRAFT  
 MCDONNELL DOUGLAS AIRCRAFT  
 . DOUGLAS AIRCRAFT  
 . . DC 7 AIRCRAFT  
 MONOPLANES  
 . DC 7 AIRCRAFT  
 TRANSPORT AIRCRAFT  
 . CARGO AIRCRAFT  
 . . DC 7 AIRCRAFT  
 RT ∞ AIRCRAFT  
 PASSENGER AIRCRAFT

**DC 8 AIRCRAFT**

UF DOUGLAS DC-8 AIRCRAFT  
 GS COMMERCIAL AIRCRAFT  
 . DC 8 AIRCRAFT  
 JET AIRCRAFT  
 . TURBOFAN AIRCRAFT  
 . . DC 8 AIRCRAFT  
 MCDONNELL DOUGLAS AIRCRAFT  
 . DOUGLAS AIRCRAFT  
 . . DC 8 AIRCRAFT  
 MONOPLANES  
 . DC 8 AIRCRAFT  
 PASSENGER AIRCRAFT  
 . DC 8 AIRCRAFT  
 TRANSPORT AIRCRAFT  
 . DC 8 AIRCRAFT  
 RT ∞ AIRCRAFT

**DC 9 AIRCRAFT**

UF DOUGLAS DC-9 AIRCRAFT  
 GS COMMERCIAL AIRCRAFT  
 . DC 9 AIRCRAFT  
 JET AIRCRAFT  
 . DC 9 AIRCRAFT  
 MCDONNELL DOUGLAS AIRCRAFT  
 . DOUGLAS AIRCRAFT  
 . . DC 9 AIRCRAFT  
 TRANSPORT AIRCRAFT  
 . DC 9 AIRCRAFT  
 RT ∞ AIRCRAFT

## DC 10 AIRCRAFT

### DC 10 AIRCRAFT

GS COMMERCIAL AIRCRAFT  
  . **DC 10 AIRCRAFT**  
  JET AIRCRAFT  
  . **DC 10 AIRCRAFT**  
  MCDONNELL DOUGLAS AIRCRAFT  
  . DOUGLAS AIRCRAFT  
  . **DC 10 AIRCRAFT**  
  MCDONNELL AIRCRAFT  
  . **DC 10 AIRCRAFT**  
  PASSENGER AIRCRAFT  
  . **DC 10 AIRCRAFT**  
  TRANSPORT AIRCRAFT  
  . **DC 10 AIRCRAFT**  
RT ∞ AIRCRAFT  
  TURBOFAN ENGINES

### DDP COMPUTERS

GS DATA PROCESSING EQUIPMENT  
  . COMPUTERS  
  . **DDP COMPUTERS**  
  . . . DDP 516 COMPUTER  
RT DIGITAL COMPUTERS

### DDP 516 COMPUTER

GS DATA PROCESSING EQUIPMENT  
  . COMPUTERS  
  . DDP COMPUTERS  
  . . . **DDP 516 COMPUTER**  
  . . . DIGITAL COMPUTERS  
  . . . HONEYWELL COMPUTERS  
  . . . **DDP 516 COMPUTER**

### DDT

UF DICHLORODIPHENYLTRICHLOROETHANE  
GS HALOGEN COMPOUNDS  
  . CHLORINE COMPOUNDS  
  . **DDT**

### DE BROGLIE WAVELENGTHS

GS WAVELENGTHS  
  . **DE BROGLIE WAVELENGTHS**  
RT ELEMENTARY PARTICLES  
  MASS  
  MOMENTUM  
  PLANCKS CONSTANT  
  QUANTUM THEORY  
  VELOCITY  
  WENTZEL-KRAMER-BRILLOUIN METHOD

### DE HAVILLAND AIRCRAFT

GS **DE HAVILLAND AIRCRAFT**  
  . COMET 4 AIRCRAFT  
  . DH 112 AIRCRAFT  
  . DH 115 AIRCRAFT  
  . DH 121 AIRCRAFT  
  . DH 125 AIRCRAFT  
  . DHC 2 AIRCRAFT  
  . DHC 4 AIRCRAFT  
  . DHC 5 AIRCRAFT  
RT ∞ AIRCRAFT

### DE HAVILLAND DH 106 AIRCRAFT

USE COMET 4 AIRCRAFT

### DE HAVILLAND DH 112 AIRCRAFT

USE DH 112 AIRCRAFT

### DE HAVILLAND DH 115 AIRCRAFT

USE DH 115 AIRCRAFT

### DE HAVILLAND DH 121 AIRCRAFT

USE DH 121 AIRCRAFT

### DE HAVILLAND DH 125 AIRCRAFT

USE DH 125 AIRCRAFT

### DE HAVILLAND DHC 4 AIRCRAFT

USE DHC 4 AIRCRAFT

### DE HAVILLAND DHC 5 AIRCRAFT

USE DHC 5 AIRCRAFT

### DE HAVILLAND VENOM AIRCRAFT

USE DH 112 AIRCRAFT

### DE LAVAL NOZZLES

USE CONVERGENT-DIVERGENT NOZZLES

### DEACCLIMATIZATION

USE ACCLIMATIZATION

### DEACTIVATION

UF INACTIVATION  
RT ACTIVATION  
  PASSIVITY  
  POLARIZATION (CHARGE SEPARATION)  
  POLARIZATION (SPIN ALIGNMENT)  
  SABOTAGE  
  SHUTDOWNS

### DEAD RECKONING

GS NAVIGATION  
  . **DEAD RECKONING**  
RT AIR NAVIGATION  
  DIGITAL NAVIGATION  
  DOPPLER NAVIGATION  
  INERTIAL NAVIGATION  
  POLAR NAVIGATION  
  RADAR NAVIGATION  
  RADIO NAVIGATION  
  SURFACE NAVIGATION

### DEADWEIGHT

USE STATIC LOADS

### DEAFNESS

USE AUDITORY DEFECTS

### DEATH

RT CASUALTIES  
  EXPIRATION  
  INJURIES  
  LIFE SPAN  
  MORTALITY

### DEATH VALLEY (CA)

GS LANDFORMS  
  . **DEATH VALLEY (CA)**  
  VALLEYS  
  . **DEATH VALLEY (CA)**  
RT ARID LANDS  
  CALIFORNIA  
  DESERTIFICATION  
  DESERTS  
  RIVER BASINS

### DEBONAIR AIRCRAFT

USE C-33 AIRCRAFT

### DEBRIS

GS **DEBRIS**  
  . SPACE DEBRIS  
RT EJECTA  
  ENVIRONMENT EFFECTS  
  FRAGMENTS  
  GLACIAL DRIFT  
  POLLUTION  
  ∞ RADIOACTIVE DEBRIS  
  SCRAP  
  WASTES

### DEBUGGING

USE CHECKOUT

### DEBYE LENGTH

GS DISTANCE  
  . **DEBYE LENGTH**  
RT PLASMAS (PHYSICS)

### DEBYE TEMPERATURE

USE SPECIFIC HEAT

### DEBYE-HUCKEL THEORY

RT DISSOCIATION  
  ELECTROLYTES  
  PLASMA POTENTIALS  
  ∞ THEORIES

### DEBYE-SCHERRER METHOD

RT CRYSTALLOGRAPHY  
  DIFFRACTION  
  ∞ METHODOLOGY

### DECAMETRIC WAVES

GS ELECTROMAGNETIC RADIATION  
  . RADIO WAVES  
  . . **DECAMETRIC WAVES**  
RT CORONAL HOLES  
  HIGH FREQUENCIES  
  VERY HIGH FREQUENCIES

### DECARBONATION

GS CHEMICAL REACTIONS  
  . **DECARBONATION**  
RT CARBONIZATION

### DECARBOXYLATION

GS CHEMICAL REACTIONS  
  . **DECARBOXYLATION**  
RT CARBOXYLATION

### DECARBURIZATION

RT CARBON  
  CARBURIZING  
  HEATING  
  METAL WORKING

### DECAY

GS **DECAY**  
  . NEUTRON DECAY  
  . PLASMA DECAY  
  . RADIOACTIVE DECAY  
  . . ALPHA DECAY  
  . . NEUTRON EMISSION  
  . SPACECRAFT GLOW  
  . WEAK ENERGY INTERACTIONS  
  . . WEAK INTERACTIONS (FIELD  
  THEORY)  
RT BETA PARTICLES  
  BIODEGRADABILITY  
  BIODEGRADATION  
  DAMAGE  
  DEGRADATION  
  DETERIORATION  
  DISINTEGRATION  
  EMISSION  
  GAMMA RAYS  
  HALF LIFE  
  HOT ATOMS  
  NUCLEAR FISSION  
  RADIATIVE LIFETIME

### DECAY RATES

GS RATES (PER TIME)  
  . **DECAY RATES**  
  . . ELECTRON DECAY RATE

### DECCA NAVIGATION

GS NAVIGATION  
  . RADIO NAVIGATION  
  . . HYPERBOLIC NAVIGATION  
  . . . **DECCA NAVIGATION**  
RT DISTANCE MEASURING EQUIPMENT  
  LORAN  
  LORAN C  
  LORAN D  
  NAVIGATION AIDS  
  SHORAN  
  SOLAR COMPASSES  
  SURFACE NAVIGATION

### DECELERATION

UF IMPACT DECELERATION  
GS RATES (PER TIME)  
  . ACCELERATION (PHYSICS)  
  . . **DECELERATION**  
  . . . SPIN REDUCTION  
RT ANGULAR ACCELERATION  
  BRAKING  
  DAMPING  
  IMPACT  
  IMPACT ACCELERATION  
  LANDING LOADS  
  PHYSIOLOGICAL ACCELERATION  
  ∞ REDUCTION  
  RETARDING  
  RETROFIRING  
  RETROTHRUST  
  STOPPING  
  TAPERING  
  THRUST REVERSAL

### DECELERATORS

USE BRAKES (FOR ARRESTING MOTION)

### DECEPTION

RT AIR DEFENSE  
  CHAFF  
  ELECTRONIC COUNTERMEASURES  
  ELECTRONIC WARFARE  
  OPTICAL COUNTERMEASURES  
  SIMULATION

### DECIDUOUS TREES

GS PLANTS (BOTANY)  
  . TREES (PLANTS)  
  . . **DECIDUOUS TREES**  
RT CONIFERS  
  EARTH RESOURCES  
  FOLIAGE  
  FORESTS

## DEEP SPACE INSTRUMENTATION FACILITY

### DECIDUOUS TREES-(CONT.)

LEAVES  
TIMBER IDENTIFICATION

### DECIMAL TO BINARY CONVERTERS

GS DATA CONVERTERS  
    . DECIMAL TO BINARY CONVERTERS  
RT BINARY DATA  
    BINARY TO DECIMAL CONVERTERS  
    COMPUTER COMPONENTS  
    DATA PROCESSING

### DECIMALS

RT DIGITS  
    NUMBER THEORY  
    ∞ NUMBERS

### DECIMETER WAVES

GS ELECTROMAGNETIC RADIATION  
    . RADIO WAVES  
    . . . SHORT WAVE RADIATION  
    . . . . MICROWAVES  
    . . . . DECIMETER WAVES  
RT MILLIMETER WAVES  
    PLANETARY RADIATION  
    SOLAR RADIO EMISSION  
    ULTRAHIGH FREQUENCIES

### DECISION ELEMENTS

USE LOGICAL ELEMENTS

### DECISION MAKING

RT COGNITION  
    COMMAND AND CONTROL  
    CONTRACT MANAGEMENT  
    CONTRACT NEGOTIATION  
    DECISIONS  
    ECONOMY  
    JUDGMENTS  
    MANAGEMENT  
    MANAGEMENT METHODS  
    MANAGEMENT PLANNING  
    PROBLEM SOLVING  
    STARSITE PROGRAM  
    SYSTEMS ENGINEERING  
    TRADEOFFS

### DECISION THEORY

GS DECISION THEORY  
    . STATISTICAL DECISION THEORY  
RT DYNAMIC PROGRAMMING  
    EXPECTATION  
    GAME THEORY  
    INFORMATION THEORY  
    MARTINGALES  
    MATHEMATICAL MODELS  
    OPERATIONS RESEARCH  
    PROBABILITY THEORY  
    RECOMMENDATIONS  
    RISK  
    SCHEDULING  
    STATISTICAL ANALYSIS  
    STOCHASTIC PROCESSES  
    STRATEGY  
    ∞ SYNTHESIS  
    ∞ SYSTEMS ENGINEERING  
    ∞ THEORIES

### DECISIONS

RT ∞ COMMANDS  
    CONTRACT MANAGEMENT  
    DECISION MAKING  
    JUDGMENTS  
    LOGIC CIRCUITS  
    MANAGEMENT  
    PROCUREMENT POLICY  
    PROJECT PLANNING  
    SELECTION

### DECKS (FLOORS)

USE FLOORS

### DECLINATION

RT MAPPING  
    NAVIGATION

### DECODERS

GS DECODERS  
    . VITERBI DECODERS  
RT BCH CODES  
    CODERS  
    DATA CONVERTERS  
    DECODING  
    DEMODULATORS

### DECODERS-(CONT.)

∞ TRANSLATORS

### DECODING

GS CODING  
    . DECODING  
RT BCH CODES  
    CONCATENATED CODES  
    CRYPTOGRAPHY  
    DATA COMPRESSION  
    DECODERS  
    DEMODULATION  
    DICTIONARIES  
    ∞ INTERPRETATION  
    TRANSLATING  
    VITERBI DECODERS

### DECOMMISSIONING

RT RADIOACTIVE WASTES  
    UNDERGROUND STORAGE

### DECOMMUTATORS

GS COMMUTATORS  
    . DECOMMUTATORS  
RT DATA LINKS  
    DEMODULATORS  
    DIFFERENTIAL PULSE CODE  
        MODULATION  
    ELECTRIC MOTORS  
    ∞ GENERATORS  
    PULSE CODE MODULATION  
    TELEMETRY

### DECOMPOSITION

GS DECOMPOSITION  
    . AMMONOLYSIS  
    . CRACKING (CHEMICAL ENGINEERING)  
    . . . HYDROCRACKING  
    . . . PYROLYSIS  
    . GLYCOLYSIS  
    . HYDROGENOLYSIS  
    . . . HYDROCRACKING  
    . NITROLYSIS  
    . PHOTODECOMPOSITION  
    . PHOTODISSOCIATION  
    . PHOTOLYSIS  
    . PROPELLANT DECOMPOSITION  
    . RADIOLYSIS  
    . THERMAL DECOMPOSITION  
    . . . PYROLYSIS  
RT ABLATION  
    BIODEGRADABILITY  
    BIODEGRADATION  
    CHARRING  
    DAMAGE  
    DEGRADATION  
    DETERIORATION  
    DISINTEGRATION  
    DISSOCIATION  
    ELECTROLYSIS  
    LATERITES  
    OVERVOLTAGE  
    STORAGE STABILITY  
    THERMAL DISSOCIATION

### DECOMPRESSION

USE PRESSURE REDUCTION

### DECOMPRESSION SICKNESS

UF BENDS (PHYSIOLOGY)  
GS SICKNESSES  
    . DECOMPRESSION SICKNESS  
RT AEROEMBOLISM  
    ALTITUDE SICKNESS  
    BAROTRAUMA  
    DIVING (UNDERWATER)

### DECONDITIONING

GS BEHAVIOR  
    . DECONDITIONING  
RT LEARNING  
    REFLEXES

### DECONGESTANTS

GS DRUGS  
    . DECONGESTANTS  
RT ANTIHISTAMINICS

### DECONTAMINATION

GS DECONTAMINATION  
    . SPACECRAFT STERILIZATION  
RT AIR PURIFICATION  
    ANTISEPTICS  
    CARBON DIOXIDE CONCENTRATION

### DECONTAMINATION-(CONT.)

CARBON DIOXIDE REMOVAL  
CLEANING  
CONTAMINANTS  
CONTAMINATION  
DEWAXING  
DISPOSAL  
DISSIPATION  
ELIMINATION  
ETHYLENE OXIDE  
EXHAUSTING  
EXTENSIONS  
∞ FOOD  
POLLUTION  
PURGING  
PURIFICATION  
PURITY  
∞ REDUCTION  
∞ SEPARATION  
SPACECRAFT CONTAMINATION  
STERILIZATION  
STERILIZATION EFFECTS  
WASHING

### DECOUPLING

GS DECOUPLING  
    . SPIN DECOUPLING  
RT COUPLING  
    DISCONNECT DEVICES  
    GRAVITINOS  
    RELEASING

### DECOYS

GS DECOYS  
    . BALLISTIC MISSILE DECOYS  
    . BLUE GOOSE MISSILE  
    . QUAIL MISSILE  
    . REENTRY DECOYS  
RT COUNTERMEASURES  
    DUMMIES

### DECREMENTING

USE REDUCTION

### DEDUCTION

RT DERIVATION  
    INFERENCE

### DEEP DRAWING

RT BULGING  
    COLD DRAWING  
    COLD WORKING  
    EXPLOSIVE FORMING  
    MAGNETIC FORMING  
    METAL WORKING  
    STRETCHING

### DEEP SCATTERING LAYERS

RT ACOUSTIC SCATTERING  
    ECHO SOUNDING  
∞ LAYERS  
    OCEANOGRAPHY  
    ORGANISMS  
    SCATTERING  
    SOUND WAVES  
    UNDERWATER ACOUSTICS

### DEEP SPACE

GS ENVIRONMENTS  
    . AEROSPACE ENVIRONMENTS  
    . . . DEEP SPACE  
    . . . INTERPLANETARY SPACE  
    . . . INTERSTELLAR SPACE  
    . EXTRATERRESTRIAL ENVIRONMENTS  
    . . . DEEP SPACE  
    . . . INTERPLANETARY SPACE  
    . . . INTERSTELLAR SPACE  
RT CISELUNAR SPACE  
    FRICTIONLESS ENVIRONMENTS  
    LONG DURATION SPACE FLIGHT  
    ∞ SPACE

### DEEP SPACE INSTRUMENTATION FACILITY

UF DSIF (INSTRUMENTATION FACILITY)  
GS STATIONS  
    . GROUND STATIONS  
    . . . DEEP SPACE INSTRUMENTATION  
        FACILITY  
    . TRACKING STATIONS  
    . . . DEEP SPACE INSTRUMENTATION  
        FACILITY  
RT DATA ACQUISITION  
    DATA TRANSMISSION  
    RADIO CONTROL

## DEEP SPACE NETWORK

- DEEP SPACE NETWORK**  
 GS TRACKING NETWORKS  
 . DEEP SPACE NETWORK  
 RT ∞ NETWORKS  
 SPACECRAFT TRACKING
- DEEP WATER**  
 GS WATER  
 . DEEP WATER  
 RT OCEAN BOTTOM  
 OCEANOGRAPHY  
 OCEANS  
 SEAS
- DEEP WELL INJECTION (WASTES)**  
 GS INJECTION  
 . FLUID INJECTION  
 . . LIQUID INJECTION  
 . . . DEEP WELL INJECTION (WASTES)  
 RT WASTE DISPOSAL
- DEEPWATER TERMINALS**  
 RT ARTIFICIAL HARBORS  
 CARGO SHIPS  
 MARINE TECHNOLOGY  
 MARINE TRANSPORTATION  
 OCEANOGRAPHY  
 OFFSHORE DOCKING  
 OFFSHORE ENERGY SOURCES  
 OFFSHORE PLATFORMS  
 SHIP TERMINALS  
 TANKER SHIPS  
 TANKER TERMINALS  
 ∞ TANKERS  
 TERMINAL FACILITIES  
 TRANSPORTATION
- DEER**  
 GS ANIMALS  
 . VERTEBRATES  
 . . MAMMALS  
 . . . DEER  
 . . . . CARIBOUS  
 RT GRAZING  
 LIVESTOCK
- DEFECTS**  
 UF FLAWS  
 IMPERFECTIONS  
 GS DEFECTS  
 . AUDITORY DEFECTS  
 . CRYSTAL DEFECTS  
 . . CRYSTAL DISLOCATIONS  
 . . . EDGE DISLOCATIONS  
 . . . SCREW DISLOCATIONS  
 . . POINT DEFECTS  
 . . . VACANCIES (CRYSTAL DEFECTS)  
 . . . . FRENKEL DEFECTS  
 . HYPEROPIA  
 . INCLUSIONS  
 . SPEECH DEFECTS  
 . SURFACE DEFECTS  
 RT CASTINGS  
 CAVITIES  
 CRACKS  
 CUMULATIVE DAMAGE  
 DAMAGE  
 INHOMOGENEITY  
 IRREGULARITIES  
 LEAKAGE  
 PINHOLES  
 POROSITY  
 SCORING  
 VIGNETTING  
 VOIDS  
 X RAY ANALYSIS
- DEFENDER PROJECT**  
 GS PROGRAMS  
 . PROJECTS  
 . . DEFENDER PROJECT
- ∞ DEFENSE  
 SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT AIR DEFENSE  
 ANTIMISSILE DEFENSE  
 CIVIL DEFENSE  
 DEFENSE COMMUNICATIONS SATELLITE SYSTEM  
 DEFENSE COMMUNICATIONS SYSTEM (DCS)  
 DEFENSE INDUSTRY  
 DEFENSE PROGRAM

## DEFENSE-(CONT.)

- DMSP SATELLITES  
 MISSILE DEFENSE  
 PHYSIOLOGICAL DEFENSES
- DEFENSE COMMUNICATIONS SATELLITE SYSTEM**  
 GS TELECOMMUNICATION  
 . DEFENSE COMMUNICATIONS SATELLITE SYSTEM  
 . . FLEET SATELLITE COMMUNICATION SYSTEM  
 RT COMMUNICATION SATELLITES  
 ∞ DEFENSE  
 RADIO RELAY SYSTEMS  
 SPACE COMMUNICATION SYSTEMS
- DEFENSE COMMUNICATIONS SYSTEM (DCS)**  
 GS TELECOMMUNICATION  
 . DEFENSE COMMUNICATIONS SYSTEM (DCS)  
 RT COMMUNICATION NETWORKS  
 ∞ DEFENSE  
 MILITARY TECHNOLOGY  
 ∞ SYSTEMS
- DEFENSE INDUSTRY**  
 GS INDUSTRIES  
 . DEFENSE INDUSTRY  
 . . WEAPONS INDUSTRY  
 RT ANTIMISSILE DEFENSE  
 ∞ DEFENSE  
 MILITARY TECHNOLOGY  
 MISSILE DEFENSE
- DEFENSE METEOROLOGICAL SATELLITE PROGRAM**  
 USE DMSP SATELLITES
- DEFENSE PROGRAM**  
 GS PROGRAMS  
 . DEFENSE PROGRAM  
 RT AIR DEFENSE  
 ANTIMISSILE DEFENSE  
 ARMED FORCES (UNITED STATES)  
 CIVIL DEFENSE  
 ∞ DEFENSE  
 DMSP SATELLITES  
 MILITARY TECHNOLOGY  
 MISSILE DEFENSE  
 SPACE TRANSPORTATION SYSTEM  
 WEAPONS DELIVERY
- DEFINITION**  
 RT ACCURACY  
 DELINEATION  
 DESCRIPTIONS  
 DICTIONARIES  
 ∞ MEASUREMENT  
 NOMENCLATURES  
 PRECISION  
 RESOLUTION
- DEFLAGRATION**  
 GS COMBUSTION  
 . DEFLAGRATION  
 RT BACKFIRE  
 FIRES  
 FLASHBACK
- DEFLATING**  
 USE INFLATABLE STRUCTURES  
 PRESSURE REDUCTION
- DEFLECTION**  
 RT BENDING  
 BENDING DIAGRAMS  
 CAMBER  
 DEFORMATION  
 DIFFRACTION  
 DISPERSING  
 DISPLACEMENT  
 DISTORTION  
 ELASTIC DEFORMATION  
 FLEXING  
 MAXWELL-MOHR METHOD  
 REFLECTION  
 REFRACTION  
 SCATTERING  
 STRUCTURAL STRAIN  
 TEMPERATURE INVERSIONS  
 TORSION  
 VARIATIONS  
 WAVE DISPERSION

## DEFLECTION-(CONT.)

- YOKES
- DEFLECTORS**  
 GS DEFLECTORS  
 . BLAST DEFLECTORS  
 . FLAME DEFLECTORS  
 RT ATTENUATORS  
 BAFFLES  
 ∞ DIFFUSERS  
 DIVERTERS  
 FLOW DEFLECTION  
 GUST ALLEVIATORS  
 REFLECTORS  
 SAFETY DEVICES  
 SHIELDING  
 SPOILERS
- DEFLOURINATION**  
 GS CHEMICAL REACTIONS  
 . DEFLOURINATION  
 RT FLUORINATION  
 HALOGENATION
- DEFOCUSING**  
 GS FOCUSING  
 . DEFOCUSING  
 RT ∞ OPTICS
- DEFOLIANTS**  
 RT DEFOLIATION  
 FOLIAGE  
 FORESTS  
 HERBICIDES  
 LEAVES  
 PLANTS (BOTANY)  
 TREES (PLANTS)
- DEFOLIATION**  
 RT BRUSH (BOTANY)  
 DEFOLIANTS  
 DEFORESTATION  
 FORESTS  
 GRASSES  
 LEAVES  
 PLANTS (BOTANY)  
 TREES (PLANTS)
- DEFORESTATION**  
 RT CLEARINGS (OPENINGS)  
 CONSERVATION  
 DEFOLIATION  
 ENVIRONMENT EFFECTS  
 FORESTS
- DEFORMATION**  
 GS DEFORMATION  
 . AXIAL STRAIN  
 . ELASTIC DEFORMATION  
 . . ELASTIC BENDING  
 . . ELASTIC BUCKLING  
 . NUCLEAR DEFORMATION  
 . PLASTIC DEFORMATION  
 . STATIC DEFORMATION  
 . TENSILE DEFORMATION  
 . WAVE FRONT DEFORMATION  
 RT BENDING  
 BUCKLING  
 CAMBER  
 COLLAPSE  
 CORRUGATING  
 CREEP PROPERTIES  
 DAMAGE  
 DEFLECTION  
 DEFORMETERS  
 DISPLACEMENT  
 DISTORTION  
 ELONGATION  
 FAILURE  
 FLEXING  
 FRACTURES (MATERIALS)  
 INDENTATION  
 MECHANICAL PROPERTIES  
 SET  
 SKEWNESS  
 STIFFNESS  
 STRAIN DISTRIBUTION  
 STRUCTURAL FAILURE  
 STRUCTURAL STRAIN  
 TEMPERATURE INVERSIONS  
 TOPOLOGY  
 TORSION  
 TWISTING  
 VOLUMETRIC STRAIN  
 WARPAGE

## DELAYED FLAP APPROACH

### DEFORMATION-(CONT.)

WRINKLING

### DEFORMETERS

GS MEASURING INSTRUMENTS  
 . **DEFORMETERS**  
 RT DEFORMATION  
 DIMENSIONAL MEASUREMENT  
 EXTENSOMETERS  
 MECHANICAL MEASUREMENT  
 STRAIN GAGES  
 STRESS MEASUREMENT  
 TENSOMETERS

### DEFROSTING

RT DEICING  
 HEATING  
 ICE PREVENTION  
 MELTING  
 REFRIGERATING  
 REFRIGERATORS

### DEGASSING

UF BAKEOUT  
 GS **DEGASSING**  
 . DEOXYGENATION  
 RT ABSORBERS (EQUIPMENT)  
 AERATION  
 BAKING  
 CASTINGS  
 DEOXIDIZING  
 DESORPTION  
 GAS EVOLUTION  
 OCCLUSION  
 OFFGASSING  
 OUTGASSING  
 PURGING  
 SCAVENGING  
 ∞ SEPARATION

### DEGENERATE MATTER

GS MATTER (PHYSICS)  
 . **DEGENERATE MATTER**  
 RT ANTIMATTER  
 ASTROPHYSICS  
 BLACK HOLES (ASTRONOMY)  
 COSMIC GASES  
 CRITICAL PRESSURE  
 DENSITY (MASS/VOLUME)  
 EXTRATERRESTRIAL MATTER  
 FERMI-DIRAC STATISTICS  
 HIGH PRESSURE  
 NAKED SINGULARITIES  
 NEUTRON STARS  
 NUCLEAR FUSION  
 ∞ PHYSICS  
 PULSARS  
 ROTATING MATTER  
 STELLAR CORES  
 STELLAR EVOLUTION  
 STELLAR MASS  
 SUPERMASSIVE STARS  
 WHITE DWARF STARS

### DEGENERATION

RT ATROPHY  
 DETERIORATION  
 NEGATIVE FEEDBACK

### DEGENERATIVE FEEDBACK

USE NEGATIVE FEEDBACK

### DEGRADATION

GS **DEGRADATION**  
 . BIODEGRADATION  
 . THERMAL DEGRADATION  
 . WAVE DEGRADATION  
 RT CHEMICAL ATTACK  
 CORROSION  
 CUMULATIVE DAMAGE  
 CURING  
 DAMAGE  
 DECAY  
 DECOMPOSITION  
 DEPOLYMERIZATION  
 DETERIORATION  
 DISCOLORATION  
 DURABILITY  
 EMBRITTLEMENT  
 EROSION  
 HOT CORROSION  
 OXIDATION  
 PITTING  
 PRESERVING  
 RUSTING

### DEGRADATION-(CONT.)

SCALE (CORROSION)  
 STERILIZATION EFFECTS  
 THERMAL DISSOCIATION  
 WEATHERING

### DEGREES OF FREEDOM

RT EQUIPARTITION THEOREM  
 EXPERIMENT DESIGN  
 FACTOR ANALYSIS  
 NULL HYPOTHESIS  
 PHASE RULE  
 QUALITY CONTROL  
 SIGNIFICANCE  
 THREE DIMENSIONAL MOTION  
 TORQUERS  
 ∞ VARIANCE

### DEHP

USE DIETHYL HYDROGEN PHOSPHITE (DEHP)

### DEHUMIDIFICATION

GS DRYING  
 . **DEHUMIDIFICATION**  
 RT CONDENSING  
 COOLING SYSTEMS  
 DEHYDRATION  
 DIFFUSION  
 HUMIDITY  
 REFRIGERATING  
 ∞ SEPARATION  
 SILICA GEL

### DEHYDRATED FOOD

RT CONSUMABLES (SPACECREW SUPPLIES)  
 DEHYDRATION  
 DRYING APPARATUS  
 ∞ FOOD  
 FOOD PROCESSING  
 FREEZE DRYING  
 PRESERVING  
 SPACE FLIGHT FEEDING

### DEHYDRATION

GS DRYING  
 . **DEHYDRATION**  
 RT COLUMNS (PROCESS ENGINEERING)  
 DEHUMIDIFICATION  
 DEHYDRATED FOOD  
 DEWATERING  
 EVAPORATION  
 FREEZE DRYING  
 HYDRATION  
 PLASMOLYSIS  
 ∞ SEPARATION  
 SILICA GEL  
 THERMOGRAVIMETRY  
 WATER LOSS

### DEHYDROGENATION

GS CHEMICAL REACTIONS  
 . **DEHYDROGENATION**  
 RT COLUMNS (PROCESS ENGINEERING)  
 HYDROFORMING  
 HYDROGENATION  
 HYDROGENOLYSIS  
 OXIDATION  
 REDUCTION (CHEMISTRY)

### DEICERS

UF DEICING SYSTEMS  
 RT AIRFOILS  
 ANTICING ADDITIVES  
 DEICING  
 ∞ HEATERS  
 HEATING EQUIPMENT  
 ICE PREVENTION

### DEICING

RT AIRFOILS  
 ANTICING ADDITIVES  
 DEFROSTING  
 DEICERS  
 ∞ HEATERS  
 HEATING EQUIPMENT  
 ICE PREVENTION  
 MELTING

### DEICING SYSTEMS

USE DEICERS

### DEIMOS

GS CELESTIAL BODIES  
 . NATURAL SATELLITES

### DEIMOS-(CONT.)

. . . MARS SATELLITES  
 . . . **DEIMOS**  
 RT CHARON  
 MARS (PLANET)  
 PHOBOS

### DEIONIZATION

GS CHEMICAL REACTIONS  
 . **DEIONIZATION**  
 RT ATOMIC RECOMBINATION  
 DEMINERALIZING  
 EXCHANGING  
 ION RECOMBINATION  
 RADIATIVE RECOMBINATION  
 ∞ SEPARATION  
 SOFTENING

### DEKATRONS

USE COUNTERS

### DELAMINATING

RT ANODIC STRIPPING  
 PEELING  
 ∞ SEPARATION

### DELAWARE

GS NATIONS  
 . UNITED STATES  
 . . . **DELAWARE**  
 RT DELAWARE RIVER BASIN (US)  
 DELMARVA PENINSULA (DE-MD-VA)

### DELAWARE BAY (US)

GS BAYS (TOPOGRAPHIC FEATURES)  
 . **DELAWARE BAY (US)**  
 RT ATLANTIC OCEAN  
 GULFS  
 INLETS (TOPOGRAPHY)  
 NEW JERSEY  
 PENNSYLVANIA

### DELAWARE RIVER BASIN (US)

GS LANDFORMS  
 . STRUCTURAL BASINS  
 . . RIVER BASINS  
 . . . **DELAWARE RIVER BASIN (US)**  
 RT DELAWARE  
 NEW JERSEY  
 NEW YORK  
 PENNSYLVANIA  
 RIVERS  
 STREAMS  
 VALLEYS

### DELAY

RT DWELL  
 ∞ HOLDING  
 LATENESS  
 STOPPING  
 TIME LAG  
 ∞ TIME RESPONSE

### DELAY CIRCUITS

GS CIRCUITS  
 . **DELAY CIRCUITS**  
 . . PHANTASTRONS  
 RT ACOUSTIC DELAY LINES  
 CIRCULATORS (PHASE SHIFT CIRCUITS)  
 COMPARATOR CIRCUITS  
 PHASE SHIFT CIRCUITS

### DELAY LINES

GS **DELAY LINES**  
 . ACOUSTIC DELAY LINES  
 . DELAY LINES (COMPUTER STORAGE)  
 RT ∞ LINES  
 TIME LAG

### DELAY LINES (COMPUTER STORAGE)

GS COMPUTER STORAGE DEVICES  
 . **DELAY LINES (COMPUTER STORAGE)**  
 DELAY LINES  
 . **DELAY LINES (COMPUTER STORAGE)**  
 RT SHIFT REGISTERS

### DELAYED FLAP APPROACH

UF DFA  
 GS APPROACH  
 . **DELAYED FLAP APPROACH**  
 RT FLAPS (CONTROL SURFACES)  
 FLIGHT PATHS  
 LANDING AIDS  
 NASA PROGRAMS



## DELETION

### DELAYED FLAP APPROACH-(CONT.)

NOISE REDUCTION

#### DELETION

GS ELIMINATION  
RT . DELETION  
DISPOSAL  
REMOVAL

#### DELFIN AIRCRAFT

USE L-29 JET TRAINER

#### DELFT CAMERA

GS OPTICAL EQUIPMENT  
. CAMERAS  
. . DELFT CAMERA  
PHOTOGRAPHIC EQUIPMENT  
. CAMERAS  
. . DELFT CAMERA

#### DELINEATION

RT BOUNDARIES  
DEFINITION  
∞ PROFILES

#### DELIVERY

GS DELIVERY  
. PAYLOAD DELIVERY (STS)  
. WEAPONS DELIVERY  
RT AIR DROP OPERATIONS  
AIRDROPS  
CARGO  
CIRCULATION  
HAULING  
MATERIALS HANDLING  
OUTPUT  
∞ RECEIVING  
TRANSPORTATION  
TRUCKS

#### DELMARVA PENINSULA (DE-MD-VA)

GS LANDFORMS  
. PENINSULAS  
. . DELMARVA PENINSULA (DE-MD-VA)  
RT DELAWARE  
MARYLAND  
VIRGINIA

#### DELPHI METHOD (FORECASTING)

GS FORECASTING  
. TECHNOLOGICAL FORECASTING  
. . DELPHI METHOD (FORECASTING)  
MANAGEMENT METHODS  
. . DELPHI METHOD (FORECASTING)  
RT ESTIMATING  
∞ METHODOLOGY  
OPERATIONS RESEARCH  
PATTERN METHOD (FORECASTING)  
PLANNING  
PREDICTIONS  
PROBE METHOD (FORECASTING)  
PROFILE METHOD (FORECASTING)  
TECHNOLOGY ASSESSMENT

#### DELRIIN (TRADEMARK)

GS PLASTICS  
. DELRIIN (TRADEMARK)  
RT RESINS

#### DELTA ANTENNAS

GS ANTENNAS  
. DELTA ANTENNAS  
RT ANTENNA DESIGN  
RESONATORS  
TRANSMISSION LINES

#### DELTA DAGGER AIRCRAFT

USE F-102 AIRCRAFT

#### DELTA DART AIRCRAFT

USE F-106 AIRCRAFT

#### DELTA FUNCTION

GS ANALYSIS (MATHEMATICS)  
. REAL VARIABLES  
. . DELTA FUNCTION  
FUNCTIONS (MATHEMATICS)  
. DELTA FUNCTION

#### DELTA LAUNCH VEHICLE

GS LAUNCH VEHICLES  
. DELTA LAUNCH VEHICLE  
RT ANIK SATELLITES  
ANIK 1

### DELTA LAUNCH VEHICLE-(CONT.)

ANIK 2  
BEACON EXPLORER A  
ESSA 1 SATELLITE  
ESSA 2 SATELLITE  
ESSA 3 SATELLITE  
ESSA 4 SATELLITE  
ESSA 5 SATELLITE  
ESSA 6 SATELLITE  
ESSA 7 SATELLITE  
ESSA 8 SATELLITE  
ESSA 9 SATELLITE  
EXPLORER 10 SATELLITE  
EXPLORER 12 SATELLITE  
EXPLORER 14 SATELLITE  
EXPLORER 15 SATELLITE  
EXPLORER 17 SATELLITE  
EXPLORER 18 SATELLITE  
EXPLORER 21 SATELLITE  
EXPLORER 26 SATELLITE  
EXPLORER 28 SATELLITE  
EXPLORER 29 SATELLITE  
EXPLORER 32 SATELLITE  
EXPLORER 33 SATELLITE  
EXPLORER 38 SATELLITE  
EXPLORER 43 SATELLITE  
EXPLORER 49 SATELLITE  
EXPLORER 55 SATELLITE  
INTERNATIONAL MAGNETOSPHERIC  
EXPLORER  
OSO-C  
OSO-1  
OSO-2  
OSO-4  
OUTER PLANETS EXPLORERS  
PIONEER 6 SPACE PROBE  
PIONEER 7 SPACE PROBE  
RCA SATCOM SATELLITES  
SPACE SHUTTLE UPPER STAGE D  
SYNCOM 1 SATELLITE  
SYNCOM 2 SATELLITE  
SYNCOM 3 SATELLITE  
TIROS 2 SATELLITE  
TIROS 3 SATELLITE  
TIROS 4 SATELLITE  
TIROS 5 SATELLITE  
TIROS 6 SATELLITE  
TIROS 7 SATELLITE  
TIROS 8 SATELLITE  
TIROS 9 SATELLITE  
TIROS 10 SATELLITE

#### DELTA MODULATION

GS CODING  
. SIGNAL ENCODING  
. . PULSE MODULATION  
. . . PULSE CODE MODULATION  
. . . . DELTA MODULATION  
MODULATION  
. PULSE MODULATION  
. . PULSE CODE MODULATION  
. . . DELTA MODULATION  
RT PULSE COMMUNICATION

#### DELTA WINGS

UF TRIANGULAR WINGS  
GS AIRFOILS  
. WINGS  
. . LOW ASPECT RATIO WINGS  
. . . DELTA WINGS  
. . . SWEPT WINGS  
. . . . SWEPTBACK WINGS  
. . . . . DELTA WINGS  
PLANFORMS  
. WING PLANFORMS  
. . SWEPTBACK WINGS  
. . . DELTA WINGS  
RT ARROW WINGS  
AVRO 707 AIRCRAFT  
CARET WINGS  
FD 2 AIRCRAFT  
GA-5 AIRCRAFT  
VARIABLE SWEEP WINGS  
VATOL AIRCRAFT  
WAVERIDERS

#### DELTAS

GS LANDFORMS  
. DELTAS  
. . MISSISSIPPI DELTA (LA)  
. . RHONE DELTA (FRANCE)  
RT ALLUVIUM  
FANS (LANDFORMS)  
RIVERS  
SANDS

### DELTAS-(CONT.)

SOILS

#### DEMAGNETIZATION

RT MAGNETIC FIELDS  
∞ REDUCTION

#### DEMAND (ECONOMICS)

GS ECONOMICS  
. DEMAND (ECONOMICS)  
RT CONSUMPTION  
SUPPLYING

#### DEMAND ASSIGNMENT MULTIPLE ACCESS

UF DAMA  
GS TELECOMMUNICATION  
. MULTIPLE ACCESS  
. . DEMAND ASSIGNMENT MULTIPLE  
ACCESS  
RT CHANNEL CAPACITY  
COMMUNICATION NETWORKS  
COMMUNICATION SATELLITES  
SATELLITE NETWORKS

#### DEMINERALIZING

GS DEMINERALIZING  
. BONE DEMINERALIZATION  
RT CRYSTALLIZATION  
DEIONIZATION  
DESALINIZATION  
DISTILLATION  
ION EXCHANGING  
OSMOSIS  
PURIFICATION  
REVERSE OSMOSIS  
∞ SEPARATION  
SOFTENING  
WATER TREATMENT

#### DEMOCRATIC PEOPLES REPUBLIC OF KOREA

USE NORTH KOREA

#### DEMODULATION

RT AMPLITUDE MODULATION  
DECODING  
DEMODULATORS  
∞ DETECTORS  
FREQUENCY MODULATION  
HETERODYNING  
INTERMODULATION  
MODULATION  
PHASE MODULATION  
PULSE MODULATION  
REMULATION  
TELECOMMUNICATION

#### DEMODULATORS

GS DEMODULATORS  
. FREQUENCY COMPRESSION  
DEMODULATORS  
. MODEMS  
. PHASE DEMODULATORS  
. PHASE LOCK DEMODULATORS  
RT AMPLITUDE MODULATION  
DECODERS  
DECOMMUTATORS  
DEMULATION  
FREQUENCY MODULATION  
MATCHED FILTERS  
MODULATION  
MODULATORS  
PHASE MODULATION  
PULSE MODULATION

#### DEMOGRAPHY

RT CENSUS  
COMMUNITIES  
∞ DENSITY  
∞ DISTRIBUTION  
HUMAN BEINGS  
INHABITANTS  
MEGALOPOLISES  
NATIONS  
SOCIOLOGY  
∞ STATISTICS

#### DEMONSTRATION

USE PROVING

#### DEMULPLEXING

GS TRANSMISSION  
. DEMULPLEXING  
RT CODE DIVISION MULTIPLEXING  
FREQUENCY DIVISION MULTIPLEXING

**DEMULTIPLEXING-(CONT.)**

MULTIPLEXING  
TIME DIVISION MULTIPLEXING  
WAVELENGTH DIVISION MULTIPLEXING

**DENATURATION (BIOPOLYMERS)**

USE BIOPOLYMER DENATURATION

**DENDRITIC CRYSTALS**

GS CRYSTALS  
. DENDRITIC CRYSTALS  
RT ISOTROPY  
NEEDLES  
WHISKERS (CRYSTALS)

**DENDRITIC DRAINAGE**

USE DRAINAGE PATTERNS

**DENDROCHRONOLOGY**

UF TREE RING DATING  
RT CLIMATOLOGY  
GEOCHRONOLOGY  
PERIODIC VARIATIONS  
TIMBERLINE  
TREES (PLANTS)

**DENITROGENATION**

GS CHEMICAL REACTIONS  
. DENITROGENATION  
RT NITRATION

**DENMARK**

GS NATIONS  
. DENMARK  
RT EUROPE  
GREENLAND  
SCANDINAVIA

**DENSE PLASMAS**

GS PARTICLES  
. CHARGED PARTICLES  
. . . . . ENERGETIC PARTICLES  
. . . . . PLASMAS (PHYSICS)  
. . . . . DENSE PLASMAS  
. . . . . PLASMA FOCUS  
. . . . . STRONGLY COUPLED PLASMAS  
RT ASTROPHYSICS  
BETA FACTOR  
ELECTRON SCATTERING  
HIGH TEMPERATURE PLASMAS  
NUCLEAR FUSION  
PARTICLE COLLISIONS  
PLASMA COMPRESSION  
SPHEROMAKS  
STELLAR STRUCTURE

**DENSIFICATION**

GS PRESSURE  
. DENSIFICATION  
RT AGGLOMERATION  
COMPACTING  
COMPRESSING  
CONSOLIDATION  
LUDOX (TRADEMARK)  
PRESSURIZING

**DENSIMETERS**

GS MEASURING INSTRUMENTS  
. DENSIMETERS  
. . . . . ULTRASONIC DENSIMETERS  
RT DENSITY (MASS/VOLUME)  
DENSITY MEASUREMENT  
∞ INSTRUMENTS  
∞ MEASUREMENT

**DENSITOMETERS**

GS MEASURING INSTRUMENTS  
. DENSITOMETERS  
. . . . . MICRODENSITOMETERS  
RT GAMMA RAY ABSORPTIOMETRY  
GRAVIMETERS  
OPTICAL EQUIPMENT  
OPTICAL MEASUREMENT  
OPTICAL MEASURING INSTRUMENTS  
PHOTOMETERS  
PHOTON ABSORPTIOMETRY  
TRANSMISSIOMETERS

**∞ DENSITY**

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
RT ATMOSPHERIC DENSITY  
ATOM CONCENTRATION

**DENSITY-(CONT.)**

BIOMASS  
DEMOGRAPHY  
DENSITY (MASS/VOLUME)  
DENSITY (NUMBER/VOLUME)  
FLUX DENSITY  
OPTICAL DENSITY  
POROSITY  
RANKINE-HUGONOT RELATION

**DENSITY (MASS/VOLUME)**

UF SPECIFIC GRAVITY  
GS DENSITY (MASS/VOLUME)  
. ATMOSPHERIC DENSITY  
. GAS DENSITY  
. SPACE DENSITY  
RT ABSORPTANCE  
ABSORPTIVITY  
BULK MODULUS  
BUOYANCY  
COMPRESSIBILITY  
DEGENERATE MATTER  
DENSIMETERS  
∞ DENSITY  
DENSITY MEASUREMENT  
HYDROMETERS  
INTERNAL FRICTION  
ISOPYCNIC PROCESSES  
LEWIS NUMBERS  
OPACITY  
PERMEABILITY  
∞ PHYSICAL PROPERTIES  
POROSITY  
PYCNOMETERS  
STOPPING POWER  
TRANSMISSIVITY  
TRANSMITTANCE  
TRANSPARENCY  
ULTRASONIC DENSIMETERS  
VISCOSITY  
VOID RATIO  
WEIGHT MEASUREMENT

**DENSITY (NUMBER/VOLUME)**

GS DENSITY (NUMBER/VOLUME)  
. METEOROID CONCENTRATION  
. PACKING DENSITY  
. PARTICLE DENSITY (CONCENTRATION)  
. ELECTRON DENSITY  
(CONCENTRATION)  
. . . . . CARRIER DENSITY (SOLID STATE)  
. . . . . ELECTRON DENSITY PROFILES  
. . . . . IONOSPHERIC ELECTRON DENSITY  
. . . . . MAGNETOSPHERIC ELECTRON DENSITY  
. . . . . ELECTRON DISTRIBUTION  
. . . . . ELECTRON DENSITY PROFILES  
. . . . . ION DENSITY (CONCENTRATION)  
. . . . . IONOSPHERIC ION DENSITY  
. . . . . MAGNETOSPHERIC ION DENSITY  
. . . . . MAGNETOSPHERIC PROTON DENSITY  
. . . . . PROTON DENSITY  
(CONCENTRATION)  
. . . . . MAGNETOSPHERIC PROTON DENSITY  
. . . . . PLASMA DENSITY  
. . . . . SPACE DENSITY  
RT ATMOSPHERIC DENSITY  
∞ DENSITY

**DENSITY (RATE/AREA)**

USE FLUX DENSITY

**DENSITY DISTRIBUTION**

RT BAROCLINIC WAVES  
FOKKER-PLANCK EQUATION  
MAXWELL-BOLTZMANN DENSITY FUNCTION  
SHOCK DISCONTINUITY  
TAYLOR INSTABILITY

**DENSITY MEASUREMENT**

GS DENSITY MEASUREMENT  
. GAMMA RAY ABSORPTIOMETRY  
. PHOTON ABSORPTIOMETRY  
. X RAY DENSITY MEASUREMENT  
RT CHEMICAL ANALYSIS  
DENSIMETERS  
DENSITY (MASS/VOLUME)  
HYDROMETERS  
∞ MEASUREMENT  
MECHANICAL MEASUREMENT  
ULTRASONIC DENSIMETERS  
WIND TUNNEL TESTS

**DENSITY WAVE MODEL**

GS MODELS  
. ASTRONOMICAL MODELS  
. . . . . DENSITY WAVE MODEL  
RT GALACTIC STRUCTURE  
MASS DISTRIBUTION  
SPIRAL GALAXIES  
WAVE EQUATIONS

**DENTAL CALCULI**

GS DEPOSITS  
. CALCULI  
. . . . . DENTAL CALCULI  
RT LITHIASIS  
TEETH  
TOOTH DISEASES

**DENTISTRY**

GS MEDICAL SCIENCE  
. DENTISTRY  
RT MEDICAL EQUIPMENT  
ORAL HYGIENE  
TEETH  
TOOTH DISEASES

**DEOXIDIZING**

GS CHEMICAL REACTIONS  
. REDUCTION (CHEMISTRY)  
. . . . . DEOXIDIZING  
RT DEGASSING  
∞ DEOXIFICATION  
DEOXYGENATION  
SCAVENGING

**∞ DEOXIFICATION**

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
RT DEOXIDIZING  
DEOXYGENATION  
STERILIZATION EFFECTS

**DEOXYGENATION**

GS DEGASSING  
. DEOXYGENATION  
RT DEOXIDIZING  
∞ DEOXIFICATION  
∞ REDUCTION  
∞ SEPARATION

**DEOXYRIBONUCLEIC ACID**

UF DNA  
GS ACIDS  
. NUCLEIC ACIDS  
. . . . . DEOXYRIBONUCLEIC ACID  
BIOPOLYMERS  
. NUCLEIC ACIDS  
. . . . . DEOXYRIBONUCLEIC ACID  
ORGANIC COMPOUNDS  
. NUCLEIC ACIDS  
. . . . . DEOXYRIBONUCLEIC ACID  
RT GENE EXPRESSION  
GENES  
THYMIDINE  
THYMINE

**DEPENDENCE**

UF DEPENDENCY  
GS DEPENDENCE  
. SPATIAL DEPENDENCIES  
. TEMPERATURE DEPENDENCE  
. TIME DEPENDENCE  
RT GROUP DYNAMICS  
SOCIOLOGY

**DEPENDENCY**

USE DEPENDENCE

**DEPENDENT VARIABLES**

GS ANALYSIS (MATHEMATICS)  
. DEPENDENT VARIABLES  
RT COMPLEX VARIABLES  
INDEPENDENT VARIABLES  
OBSERVABILITY (SYSTEMS)  
PARAMETERIZATION  
REAL VARIABLES  
∞ VARIABLE

**DEPERSONALIZATION**

RT ARTIFICIAL INTELLIGENCE  
AUTOMATA THEORY  
AUTOMATIC CONTROL  
∞ AUTOMATION  
CYBERNETICS

## DEPLETION

### DEPERSONALIZATION-(CONT.)

DETACHMENT  
DISORDERS  
MAN MACHINE SYSTEMS  
MECHANIZATION  
PERSONALITY  
PERSONNEL

### DEPLETION

GS **DEPLETION**  
. OZONE DEPLETION  
RT CONSUMPTION  
DEPRECIATION  
DISSIPATION  
ELIMINATION  
ENERGY POLICY  
EXHAUSTION  
EXPLOITATION  
LIFE (DURABILITY)  
LOSSES  
∞ REDUCTION  
REMOVAL  
RESOURCES  
UTILIZATION

### DEPLOYMENT

RT GAME THEORY  
LOGISTICS  
MILITARY OPERATIONS  
MILITARY TECHNOLOGY  
∞ OPERATIONS  
PERSONNEL  
STRATEGY  
TACTICS

### DEPOLARIZATION

SN (EXCLUDES CONSIDERATION OF  
OPTICAL DEPOLARIZATION AND  
PARTICLE SPIN DISALIGNMENT)  
UF DEPOLARIZERS  
RT ELECTROLYTIC POLARIZATION  
ELECTROPHYSIOLOGY  
POLARIZATION (CHARGE SEPARATION)  
∞ REDUCTION  
SPIKE POTENTIALS

### DEPOLARIZERS

USE DEPOLARIZATION

### DEPOLYMERIZATION

GS CHEMICAL REACTIONS  
. **DEPOLYMERIZATION**  
RT DEGRADATION  
DETERIORATION  
POLYMERIZATION

### DEPOSITION

UF ACCRETION  
GS **DEPOSITION**  
. ANODIZING  
. ELECTRODEPOSITION  
. ELECTROPLATING  
. ELECTROLESS DEPOSITION  
. VAPOR DEPOSITION  
. VACUUM DEPOSITION  
RT ACCUMULATIONS  
COAGULATION  
COATING  
COATINGS  
DEPOSITS  
ELECTROFORMING  
ELECTRON BOMBARDMENT  
FORMING TECHNIQUES  
FOULING  
MAGNETRON SPUTTERING  
METAL COATINGS  
PLATING  
PRECIPITATION (CHEMISTRY)  
SEDIMENTS  
∞ SEPARATION  
SETTLING  
SPUTTERING  
THERMOPHORESIS

### DEPOSITS

SN (EXCLUDES BANK MINERAL AND  
GEOLOGICAL DEPOSITS)  
GS **DEPOSITS**  
. CALCULI  
. DENTAL CALCULI  
. CRYODEPOSITS  
RT COATINGS  
CORROSION  
CRUDE OIL  
DEPOSITION

### DEPOSITS-(CONT.)

PLATING  
SEDIMENTS  
SLUDGE

### DEPRECIATION

RT DEPLETION  
DETERIORATION  
INVESTMENTS  
LIFE (DURABILITY)  
WEAR

### DEPRESSANTS

GS **DEPRESSANTS**  
. CENTRAL NERVOUS SYSTEM  
DEPRESSANTS  
RT ANESTHESIOLOGY

### ∞ DEPRESSION

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT DETACHMENT  
DISORDERS  
EMOTIONS  
∞ HOLLOW  
INTROVERSION  
LETHARGY  
LOW PRESSURE  
NEUROTIC DEPRESSION  
PSYCHOTIC DEPRESSION  
RECESSION  
SCHIZOPHRENIA  
TECTONICS  
TOPOGRAPHY

### DEPRESSIONS (TOPOGRAPHY)

USE STRUCTURAL BASINS

### DEPRESSURIZATION

USE PRESSURE REDUCTION

### DEPRIVATION

GS **DEPRIVATION**  
. SENSORY DEPRIVATION  
. SLEEP DEPRIVATION  
. WATER DEPRIVATION  
RT CONFINING  
ISOLATION  
STRESS (PHYSIOLOGY)

### DEPTH

GS DIMENSIONS  
. **DEPTH**  
RT DISTANCE  
HEIGHT  
THICKNESS

### DEPTH MEASUREMENT

RT BATHYMETERS  
CORE SAMPLING  
DISTANCE MEASURING EQUIPMENT  
ECHO SOUNDING  
∞ MEASUREMENT  
MECHANICAL MEASUREMENT  
SOUNDING

### DEPTH PERCEPTION

USE SPACE PERCEPTION

### DERIVATION

RT DEDUCTION  
∞ INDUCTION  
∞ ORIGINS  
PARAMETERIZATION  
∞ SOURCES

### DERIVATION CALCULUS

USE DIFFERENTIAL CALCULUS

### DERMATITIS

GS DISEASES  
. INFECTIOUS DISEASES  
. **DERMATITIS**  
. . . CONTACT DERMATITIS  
RT BACTERIAL DISEASES  
DERMATOLOGY  
FUNGAL DISEASES  
ITCHING  
RADIATION HAZARDS  
RADIATION SICKNESS  
SKIN (ANATOMY)

### DERMATOLOGY

GS MEDICAL SCIENCE  
. **DERMATOLOGY**  
RT CONTACT DERMATITIS  
DERMATITIS  
SKIN (ANATOMY)

### DESALINIZATION

RT DEMINERALIZING  
DISTILLATION  
OSMOSIS  
PURIFICATION  
REVERSE OSMOSIS  
SALINITY  
VAPORIZING  
WATER TREATMENT

### DESATURATION

RT DRYING  
∞ SATURATION

### DESCALING

RT CHEMICAL CLEANING  
CLEANING  
METAL FINISHING  
PICKLING (METALLURGY)  
SCALE (CORROSION)  
∞ SEPARATION  
SHOT PEENING

### DESCENT

GS **DESCENT**  
. PARACHUTE DESCENT  
RT APPROACH  
ASCENT  
FLIGHT PATHS  
GLIDING  
REENTRY  
UNCONTROLLED REENTRY  
(SPACECRAFT)

### DESCENT PROPULSION SYSTEMS

GS PROPULSION  
. **DESCENT PROPULSION SYSTEMS**  
PROPULSION SYSTEM CONFIGURATIONS  
. **DESCENT PROPULSION SYSTEMS**  
RT SPACECRAFT PROPULSION  
∞ SYSTEMS

### DESCENT TRAJECTORIES

GS TRAJECTORIES  
. **DESCENT TRAJECTORIES**  
. . . REENTRY TRAJECTORIES  
RT ASCENT TRAJECTORIES  
ATMOSPHERIC ENTRY  
BALLISTIC TRAJECTORIES  
COASTING FLIGHT  
FALLING  
FLIGHT MECHANICS  
MANNED REENTRY  
MIDCOURSE TRAJECTORIES  
MISSILE TRAJECTORIES  
PARABOLIC FLIGHT  
REENTRY  
REENTRY GUIDANCE  
SPACECRAFT TRAJECTORIES  
TERMINAL GUIDANCE

### DESCRIPTIONS

RT CHARACTERIZATION  
DEFINITION  
NOMENCLATURES  
REPRESENTATIONS

### DESCRIPTIVE GEOMETRY

GS GEOMETRY  
. EUCLIDEAN GEOMETRY  
. . . **DESCRIPTIVE GEOMETRY**  
RT ANALYTIC GEOMETRY  
ENGINEERING DRAWINGS  
LAYOUTS  
∞ PROJECTION  
PROJECTIVE GEOMETRY  
TORUSES

### DESENSITIZING

RT CORROSION PREVENTION  
PROTECTIVE COATINGS  
RUSTING

### DESERT ADAPTATION

GS ADAPTATION  
. **DESERT ADAPTATION**  
RT SURVIVAL

## DETECTORS

### DESERTIFICATION

RT ARID LANDS  
BARREN LAND  
DEATH VALLEY (CA)  
DESERTLINE  
DESERTS  
DROUGHT  
EARTH ENVIRONMENT  
GOBI DESERT  
LAND  
LAND USE  
MAN ENVIRONMENT INTERACTIONS  
MOJAVE DESERT (CA)  
OASES  
REMOTE SENSING  
SAHARA DESERT (AFRICA)  
STEPPE  
WADIS

### DESERTLINE

RT ARID LANDS  
CLIMATOLOGY  
DESERTIFICATION  
LAND  
TOPOGRAPHY

### DESERTS

GS LAND  
    . DESERTS  
    . . GOBI DESERT  
    . . LIBYAN DESERT  
    . . MOJAVE DESERT (CA)  
    . . SAHARA DESERT (AFRICA)  
RT ARID LANDS  
BARREN LAND  
CLIMATOLOGY  
COACHELLA VALLEY (CA)  
DEATH VALLEY (CA)  
DESERTIFICATION  
DUNES  
EARTH RESOURCES  
IMPERIAL VALLEY (CA)  
KALAHARI BASIN (AFRICA)  
OASES  
PALO VERDE VALLEY (CA)  
PLAYAS  
REMOTE REGIONS  
TOPOGRAPHY  
WILDERNESS

### DESICCANTS

RT ABSORBENTS  
ADSORBENTS

### DESICCATION

USE DRYING

### DESICCATORS

GS SEPARATORS  
    . DRYING APPARATUS  
    . . DESICCATORS

### ∞ DESIGN

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
UF TAILORING  
RT AERODYNAMIC CONFIGURATIONS  
AIRCRAFT DESIGN  
AMPLIFIER DESIGN  
ANTENNA DESIGN  
COMPUTER AIDED DESIGN  
COMPUTER DESIGN  
COMPUTER SYSTEMS DESIGN  
CONSTRUCTION  
CONTROL SYSTEMS DESIGN  
DESIGN ANALYSIS  
DESIGN TO COST  
DIMENSIONS  
DRAFTING MACHINES  
ENGINE DESIGN  
ENGINEERING DRAWINGS  
EQUIPMENT SPECIFICATIONS  
ESTIMATING  
EXPERIMENT DESIGN  
FACTORIAL DESIGN  
FUNCTIONAL DESIGN SPECIFICATIONS  
HELICOPTER DESIGN  
IPAD  
LAYOUTS  
LENS DESIGN  
LOGIC DESIGN  
MISSILE DESIGN  
NOZZLE DESIGN  
OPTIMIZATION

### DESIGN-(CONT.)

PLANNING  
PLANT DESIGN  
PRESSURE VESSEL DESIGN  
PRODUCT DEVELOPMENT  
REACTOR DESIGN  
RELIABILITY  
RESEARCH  
RESEARCH AND DEVELOPMENT  
ROCKET ENGINE DESIGN  
SATELLITE DESIGN  
SPACECRAFT DESIGN  
STRUCTURAL DESIGN  
STRUCTURAL DESIGN CRITERIA  
∞ SYNTHESIS  
SYSTEMS ENGINEERING

### DESIGN ANALYSIS

RT ∞ ANALYZING  
    CONTROL SYSTEMS DESIGN  
∞ DESIGN  
    LOGIC DESIGN  
    MAINTAINABILITY  
    OPTIMIZATION  
    RELIABILITY  
    RELIABILITY ANALYSIS  
    SAFETY FACTORS  
    VALUE ENGINEERING

### DESIGN OF EXPERIMENTS

USE EXPERIMENT DESIGN

### DESIGN TO COST

RT COST ANALYSIS  
COSTS  
∞ DESIGN  
    LIFE CYCLE COSTS  
    PRODUCTION COSTS

### DESORPTION

RT ∞ ABSORPTION  
    ADSORPTION  
    DEGASSING  
    EVOLUTION (LIBERATION)  
    OUTGASSING  
    PERMEATING  
∞ SEPARATION  
    SUBLIMATION

### DESPINNING

USE SPIN REDUCTION

### DESTABILIZATION

RT SPIN REDUCTION  
TUMBLING MOTION

### DESTROYER AIRCRAFT

USE B-66 AIRCRAFT

### DESTRUCTION

RT ABORTED MISSIONS  
ACCIDENTS  
BREAKING  
CRACKING (FRACTURING)  
DAMAGE  
DESTRUCTIVE TESTS  
FAILURE  
FATIGUE (MATERIALS)  
FLIGHT HAZARDS  
FLIGHT SAFETY  
LETHALITY  
STRESSES

### DESTRUCTIVE TESTS

GS DESTRUCTIVE TESTS  
    . BURST TESTS  
RT . BEND TESTS  
COMPRESSION TESTS  
CORROSION TESTS  
DESTRUCTION  
DROP TESTS  
FATIGUE TESTS  
IMPACT TESTS  
LOAD TESTS  
∞ MATERIALS TESTS  
NONDESTRUCTIVE TESTS  
TENSILE TESTS  
∞ TESTS  
VIBRATION TESTS  
WEAR TESTS

### DESULFURIZING

GS CHEMICAL REACTIONS  
    . DESULFURIZING

### DESULFURIZING-(CONT.)

RT FLUE GASES  
REFINING  
ROASTING

### DESYNCHRONIZATION (BIOLOGY)

GS BIOLOGICAL EFFECTS  
    . DESYNCHRONIZATION (BIOLOGY)  
    DISORIENTATION  
    . DESYNCHRONIZATION (BIOLOGY)  
    PSYCHOLOGICAL EFFECTS  
    . DESYNCHRONIZATION (BIOLOGY)  
RT JET LAG  
PHYSIOLOGICAL RESPONSES  
RHYTHM (BIOLOGY)

### DESYNCHRONIZED SLEEP

USE RAPID EYE MOVEMENT STATE

### DETACHMENT

RT ANXIETY  
BOREDOM  
DEPERSONALIZATION  
∞ DEPRESSION  
DISORDERS  
DISORIENTATION  
EMOTIONAL FACTORS  
HUMAN BEHAVIOR  
∞ INHIBITION  
INTROVERSION  
LETHARGY  
PSYCHOLOGY  
PSYCHOSES

### DETECTION

UF SENSING  
GS DETECTION  
    . AIRCRAFT DETECTION  
    . CHANGE DETECTION  
    . FOREST FIRE DETECTION  
    . HAZE DETECTION  
    . HIGH ALTITUDE NUCLEAR DETECTION  
    . MISSILE DETECTION  
    . RADAR DETECTION  
    . REMOTE SENSING  
    . SIGNAL DETECTION  
    . . CORRELATION DETECTION  
    . TARGET RECOGNITION  
    . ULTRASONIC FLAW DETECTION  
RT ACQUISITION  
DATA ACQUISITION  
∞ DETECTORS  
EARLY WARNING SYSTEMS  
EXAMINATION  
EXPLORATION  
GAS DETECTORS  
IDENTIFYING  
INSPECTION  
MARKING  
∞ MEASUREMENT  
MISSILE SIGNATURES  
OBSERVATION  
POSITION (LOCATION)  
RADAR SIGNATURES  
SIGNATURE ANALYSIS  
SIGNATURES  
SOUND LOCALIZATION  
SOUND RANGING  
SPACE OBSERVATIONS (FROM EARTH)  
SURVEILLANCE  
TARGET ACQUISITION  
TARGETS  
TRACKING (POSITION)  
WARNING  
WARNING SYSTEMS

### ∞ DETECTORS

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
RT AIRCRAFT DETECTION  
ANALYZERS  
AUTODYNES  
CHARACTER RECOGNITION  
CORRELATION DETECTION  
DEMODULATION  
DETECTION  
DISPLAY DEVICES  
FLIR DETECTORS  
FOREST FIRE DETECTION  
GAS DETECTORS  
HAZARDS  
HELMET MOUNTED DISPLAYS  
INDICATING INSTRUMENTS  
INFRARED DETECTORS

## DETERGENTS

### DETECTORS-(CONT.)

INSTRUMENT RECEIVERS  
LASER TARGET DESIGNATORS  
LIFE DETECTORS  
MEASURING INSTRUMENTS  
MINE DETECTORS  
MONITORS  
MULTISPECTRAL LINEAR ARRAYS  
PHASE DETECTORS  
RADIATION DETECTORS  
RADIATION MEASURING INSTRUMENTS  
READERS  
RECEIVERS  
REMOTE SENSORS  
SAFETY  
SIGNAL DETECTION  
SIGNAL DETECTORS  
SQUID (DETECTORS)  
TELECOMMUNICATION  
TRANSDUCERS  
ULTRASONIC FLAW DETECTION  
ULTRAVIOLET DETECTORS  
VENTURI TUBES  
WARNING  
WARNING SYSTEMS

### DETERGENTS

RT ETHYLENEDIAMINETETRAACETIC ACIDS  
LUBRICATING OILS  
SOAPS  
SURFACTANTS

### DETERIORATION

RT ATROPHY  
BIODEGRADABILITY  
BIODEGRADATION  
CORROSION  
DAMAGE  
DECAY  
DECOMPOSITION  
DEGENERATION  
DEGRADATION  
DEPOLYMERIZATION  
DEPRECIATION  
DISINTEGRATION  
DURABILITY  
EROSION  
EROSIVE BURNING  
FAILURE  
HOT CORROSION  
RUSTING  
SOIL EROSION  
SYSTEM FAILURES  
WEAR  
WEAR RESISTANCE  
WEATHERING

### DETERMINANTS

GS ALGEBRA  
... DETERMINANTS  
RT LINEAR EQUATIONS  
MATRICES (MATHEMATICS)

### DETERMINATION

USE MEASUREMENT

### DETONABLE GAS MIXTURES

GS GASES  
... GAS MIXTURES  
... DETONABLE GAS MIXTURES  
MIXTURES  
... SOLUTIONS  
... GAS MIXTURES  
... DETONABLE GAS MIXTURES  
RT CHEMICAL EXPLOSIONS  
FIRING (IGNITING)  
FLAMMABILITY  
FLAMMABLE GASES  
GAS EXPLOSIONS  
GAS-GAS INTERACTIONS  
OXYACETYLENE

### DETONATION

UF CHAPMAN-JOUGET FLAME  
RT CHEMICAL EXPLOSIONS  
COMBUSTION  
... DISCHARGE  
EXPLOSIONS  
FIRING (IGNITING)  
FLAME PROPAGATION  
INITIATION  
PERCUSSION  
PRIMERS (EXPLOSIVES)  
PROPELLANT EXPLOSIONS  
ROCKET FIRING

### DETONATION-(CONT.)

SHOCK WAVES

### DETONATION WAVES

GS ELASTIC WAVES  
... SHOCK WAVES  
... DETONATION WAVES  
RT COMBUSTIBLE FLOW  
FLAME PROPAGATION  
GAS EXPLOSIONS  
SEISMIC WAVES  
SOUND WAVES  
... WAVES

### DETONATORS

GS EXPLOSIVE DEVICES  
... INITIATORS (EXPLOSIVES)  
... DETONATORS  
IGNITERS  
... INITIATORS (EXPLOSIVES)  
... DETONATORS  
RT CAPS (EXPLOSIVES)  
EXPLODING WIRES  
EXPLOSIVES  
FULMINATES  
FUSES (ORDNANCE)  
PRIMERS (EXPLOSIVES)  
SODIUM AZIDES

### DEUTERIDES

GS HYDROGEN COMPOUNDS  
... DEUTERIUM COMPOUNDS  
... DEUTERIDES  
RT HYDRIDES

### DEUTERIUM

UF HYDROGEN 2  
GS CHEMICAL ELEMENTS  
... HYDROGEN  
... HYDROGEN ISOTOPES  
... DEUTERIUM  
... NUCLEIDES  
... ISOTOPES  
... HYDROGEN ISOTOPES  
... DEUTERIUM  
GASES  
... HYDROGEN  
... HYDROGEN ISOTOPES  
... DEUTERIUM  
RT HEAVY WATER  
HYDROGEN FUELS  
HYDROGEN PLASMA  
NUCLEAR FUELS

### DEUTERIUM COMPOUNDS

GS HYDROGEN COMPOUNDS  
... DEUTERIUM COMPOUNDS  
... DEUTERIDES  
... DEUTERIUM FLUORIDES  
... HEAVY WATER  
RT ... CHEMICAL COMPOUNDS

### DEUTERIUM FLUORIDE LASERS

USE DF LASERS

### DEUTERIUM FLUORIDES

UF DF  
GS HALOGEN COMPOUNDS  
... FLUORINE COMPOUNDS  
... FLUORIDES  
... DEUTERIUM FLUORIDES  
HYDROGEN COMPOUNDS  
... DEUTERIUM COMPOUNDS  
... DEUTERIUM FLUORIDES  
RT DF LASERS

### DEUTERIUM OXIDES

USE HEAVY WATER

### DEUTERIUM PLASMA

GS PARTICLES  
... CHARGED PARTICLES  
... ENERGETIC PARTICLES  
... PLASMAS (PHYSICS)  
... HYDROGEN PLASMA  
... DEUTERIUM PLASMA  
RT DEUTERONS  
HYDROGEN

### DEUTERON IRRADIATION

GS IRRADIATION  
... ION IRRADIATION  
... DEUTERON IRRADIATION  
RT ALPHA PARTICLES

### DEUTERON IRRADIATION-(CONT.)

CHARGED PARTICLES  
NUCLEAR FUSION  
PARTICLES  
PLASMAS (PHYSICS)  
PROTON IRRADIATION

### DEUTERONS

GS IONS  
... DEUTERONS  
PARTICLES  
... ELEMENTARY PARTICLES  
... DEUTERONS  
RT ALPHA PARTICLES  
COSMIC RAYS  
DEUTERIUM PLASMA  
PHOTOMAGNETIC EFFECTS  
PLASMAS (PHYSICS)  
POMERANCHUK THEOREM  
PROTONS

### DEVELOPERS (PHOTOGRAPHY)

USE PHOTOGRAPHIC DEVELOPERS

### DEVELOPING NATIONS

RT CARIBBEAN REGION  
ECONOMIC DEVELOPMENT  
ECONOMIC FACTORS  
NATIONS  
UNITED NATIONS

### DEVELOPMENT

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT ENERGY POLICY  
EVOLUTION (DEVELOPMENT)  
EXPLOITATION  
GROWTH  
LAND USE  
MANAGEMENT PLANNING  
MISSILE DESIGN  
PERSONNEL DEVELOPMENT  
PHOTOGRAPHIC DEVELOPERS  
PRODUCT DEVELOPMENT  
RURAL LAND USE  
STARSITE PROGRAM  
TRAINING ANALYSIS  
URBAN DEVELOPMENT

### DEVIATION

RT ABERRATION  
ABNORMALITIES  
ASYMMETRY  
... DISPERSION  
DISTORTION  
DIVERGENCE  
... DRIFT  
ECCENTRICITY  
HETEROGENEITY  
IRREGULARITIES  
NONSYNCHRONIZATION  
VARIATIONS

### DEVICES

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT AIR BAG RESTRAINT DEVICES  
ALPHA PLASMA DEVICES  
ANTISKID DEVICES  
BULK ACOUSTIC WAVE DEVICES  
CHIPS (MEMORY DEVICES)  
CYCLOTRON RESONANCE DEVICES  
ERROR CORRECTING DEVICES  
EXPLOSIVE DEVICES  
LIFT DEVICES  
LIFTING BODIES  
MECHANICAL DEVICES  
NDM SEMICONDUCTOR DEVICES  
NUCLEAR DEVICES  
PHOTOELECTROCHEMICAL DEVICES  
PLASMA DISPLAY DEVICES  
POSITIONING DEVICES (MACHINERY)  
SAFETY DEVICES  
SELF ERECTING DEVICES  
SELF REPAIRING DEVICES  
SOLID STATE DEVICES  
SURFACE ACOUSTIC WAVE DEVICES  
TRAINING DEVICES  
TRAPATT DEVICES

### DEVITRIFICATION

USE CRYSTALLIZATION

# DIAMANT LAUNCH VEHICLE

**DEW**  
RT ACID RAIN  
FROST  
PRECIPITATION (METEOROLOGY)  
WATER VAPOR

**DEW POINT**  
RT ATMOSPHERIC MOISTURE  
CONDENSING  
HYGROMETERS  
SATURATION (CHEMISTRY)

**DEWAR SYSTEMS**  
USE CRYOGENIC EQUIPMENT

**DEWATERING**  
RT DEHYDRATION  
DRYING  
POLLUTION CONTROL  
WASTE DISPOSAL  
WATER RECLAMATION

**DEWAXING**  
RT DECONTAMINATION  
REFINING

**DEWETTING**  
USE DRYING

**DEXTRANS**  
GS ORGANIC COMPOUNDS  
CARBOHYDRATES  
POLYSACCHARIDES  
DEXTRANS  
SUGARS  
DEXTRANS

**DF**  
USE DEUTERIUM FLUORIDES

**DF LASERS**  
UF DEUTERIUM FLUORIDE LASERS  
GS STIMULATED EMISSION DEVICES  
LASERS  
GAS LASERS  
DF LASERS  
RT DEUTERIUM FLUORIDES

**DFA**  
USE DELAYED FLAP APPROACH

**DH 106 AIRCRAFT**  
USE COMET 4 AIRCRAFT

**DH 112 AIRCRAFT**  
UF DE HAVILLAND DH 112 AIRCRAFT  
DE HAVILLAND VENOM AIRCRAFT  
VENOM AIRCRAFT  
GS ATTACK AIRCRAFT  
DH 112 AIRCRAFT  
DE HAVILLAND AIRCRAFT  
DH 112 AIRCRAFT  
HAWKER SIDDELEY AIRCRAFT  
DH 112 AIRCRAFT  
JET AIRCRAFT  
DH 112 AIRCRAFT  
MONOPLANES  
DH 112 AIRCRAFT  
RT AIRCRAFT

**DH 115 AIRCRAFT**  
UF DE HAVILLAND DH 115 AIRCRAFT  
VAMPIRE AIRCRAFT  
GS ATTACK AIRCRAFT  
DH 115 AIRCRAFT  
DE HAVILLAND AIRCRAFT  
DH 115 AIRCRAFT  
HAWKER SIDDELEY AIRCRAFT  
DH 115 AIRCRAFT  
JET AIRCRAFT  
DH 115 AIRCRAFT  
MONOPLANES  
DH 115 AIRCRAFT  
TRAINING AIRCRAFT  
DH 115 AIRCRAFT  
RT AIRCRAFT

**DH 121 AIRCRAFT**  
UF DE HAVILLAND DH 121 AIRCRAFT  
TRIDENT AIRCRAFT  
GS COMMERCIAL AIRCRAFT  
DH 121 AIRCRAFT  
DE HAVILLAND AIRCRAFT  
DH 121 AIRCRAFT

**DH 121 AIRCRAFT-(CONT.)**  
HAWKER SIDDELEY AIRCRAFT  
DH 121 AIRCRAFT  
JET AIRCRAFT  
TURBOFAN AIRCRAFT  
DH 121 AIRCRAFT  
MONOPLANES  
DH 121 AIRCRAFT  
PASSENGER AIRCRAFT  
DH 121 AIRCRAFT  
TRANSPORT AIRCRAFT  
DH 121 AIRCRAFT  
RT AIRCRAFT

**DH 125 AIRCRAFT**  
UF DE HAVILLAND DH 125 AIRCRAFT  
HS-125 AIRCRAFT  
JET DRAGON AIRCRAFT  
GS DE HAVILLAND AIRCRAFT  
DH 125 AIRCRAFT  
GENERAL AVIATION AIRCRAFT  
DH 125 AIRCRAFT  
HAWKER SIDDELEY AIRCRAFT  
DH 125 AIRCRAFT  
JET AIRCRAFT  
DH 125 AIRCRAFT  
LIGHT AIRCRAFT  
DH 125 AIRCRAFT  
MONOPLANES  
DH 125 AIRCRAFT  
PASSENGER AIRCRAFT  
DH 125 AIRCRAFT  
TRANSPORT AIRCRAFT  
DH 125 AIRCRAFT  
RT AIRCRAFT

**DHC BEAVER AIRCRAFT**  
USE DHC 2 AIRCRAFT

**DHC 2 AIRCRAFT**  
UF DHC BEAVER AIRCRAFT  
GS DE HAVILLAND AIRCRAFT  
DHC 2 AIRCRAFT  
GENERAL AVIATION AIRCRAFT  
DHC 2 AIRCRAFT  
JET AIRCRAFT  
DHC 2 AIRCRAFT  
MONOPLANES  
DHC 2 AIRCRAFT  
TRANSPORT AIRCRAFT  
DHC 2 AIRCRAFT  
RT AIRCRAFT

**DHC 4 AIRCRAFT**  
UF AC-1 AIRCRAFT  
CARIBOU AIRCRAFT  
CV-2 AIRCRAFT  
GS DE HAVILLAND DHC 4 AIRCRAFT  
DE HAVILLAND AIRCRAFT  
DHC 4 AIRCRAFT  
MONOPLANES  
DHC 4 AIRCRAFT  
TRANSPORT AIRCRAFT  
DHC 4 AIRCRAFT  
UTILITY AIRCRAFT  
DHC 4 AIRCRAFT  
V/STOL AIRCRAFT  
SHORT TAKEOFF AIRCRAFT  
DHC 4 AIRCRAFT  
RT AIRCRAFT

**DHC 5 AIRCRAFT**  
UF BUFFALO AIRCRAFT  
CV-7 AIRCRAFT  
GS DE HAVILLAND DHC 5 AIRCRAFT  
DE HAVILLAND AIRCRAFT  
DHC 5 AIRCRAFT  
JET AIRCRAFT  
TURBOPROP AIRCRAFT  
DHC 5 AIRCRAFT  
MONOPLANES  
DHC 5 AIRCRAFT  
TRANSPORT AIRCRAFT  
DHC 5 AIRCRAFT  
UTILITY AIRCRAFT  
DHC 5 AIRCRAFT  
V/STOL AIRCRAFT  
SHORT TAKEOFF AIRCRAFT  
DHC 5 AIRCRAFT  
RT AIRCRAFT

**DIABETES MELLITUS**  
GS DISEASES  
DIABETES MELLITUS  
RT CARBOHYDRATE METABOLISM

**DIABETES MELLITUS-(CONT.)**  
ENZYME ACTIVITY  
INSULIN  
PANCREAS  
URINALYSIS

**DIADEME SATELLITES**  
GS ARTIFICIAL SATELLITES  
DIADEME SATELLITES

**DIAGNOSIS**  
RT ANALYZING  
ANESTHESIOLOGY  
BEHAVIOR  
CLINICAL MEDICINE  
DISEASES  
EXAMINATION  
INJURIES  
MEDICAL EQUIPMENT  
MEDICAL SCIENCE  
PATHOLOGY  
PROGNOSIS  
PSYCHOLOGY  
PSYCHOMETRICS  
VETERINARY MEDICINE

**DIAGRAMS**  
GS DIAGRAMS  
BENDING DIAGRAMS  
BLOCK DIAGRAMS  
CIRCUIT DIAGRAMS  
COLOR-COLOR DIAGRAM  
COLOR-MAGNITUDE DIAGRAM  
CREEP DIAGRAMS  
FEYNMAN DIAGRAMS  
HERTZSPRUNG-RUSSELL DIAGRAM  
MOLLIER DIAGRAM  
NYQUIST DIAGRAM  
PHASE DIAGRAMS  
S-N DIAGRAMS  
STRESS-STRAIN DIAGRAMS  
TEPHIGRAMS  
VENN DIAGRAMS  
RT CHARTS  
DRAWINGS  
GEOMETRY  
GRAPHIC ARTS  
VISUAL AIDS

**DIAL SATELLITE**  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
DIAL SATELLITE  
RT AERONOMY  
ASTRONOMICAL PHOTOMETRY  
EUROPEAN SPACE PROGRAMS  
SATELLITE-BORNE INSTRUMENTS

**DIALYL COMPOUNDS**  
RT ALLYL COMPOUNDS  
CHEMICAL COMPOUNDS

**DIALS**  
UF POINTERS  
RT DISPLAY DEVICES  
INDICATING INSTRUMENTS

**DIALYSIS**  
GS DIALYSIS  
ELECTRODIALYSIS  
RT DIAPHRAGMS (MECHANICS)  
DIFFUSION  
EXTRACTION  
PERMEATING  
SEPARATION

**DIAMAGNETISM**  
UF MEISSNER EFFECT  
GS MAGNETIC PROPERTIES  
DIAMAGNETISM  
RT CURIE TEMPERATURE  
CYCLOTRON RESONANCE  
ELECTRICAL PROPERTIES  
FERROMAGNETISM  
PARAMAGNETISM

**DIAMANT LAUNCH VEHICLE**  
GS LAUNCH VEHICLES  
DIAMANT LAUNCH VEHICLE  
ROCKET VEHICLES  
MULTISTAGE ROCKET VEHICLES  
DIAMANT LAUNCH VEHICLE  
RT LIQUID PROPELLANT ROCKET ENGINES  
SOLID PROPELLANT ROCKET ENGINES

## DIAMETERS

### DIAMETERS

- GS DIMENSIONS
  - . DIAMETERS
- RT CIRCUMFERENCES
  - GEOMETRY
  - RADI
  - THICKNESS

### DIAMINES

- GS AMINES
  - . DIAMINES
  - . ETHYLENEDIAMINE
  - . GUANIDINES
  - . GUANETHIDINE
  - . TRIAMINOGUANIDINIUM AZIDE

### DIAMOND WINGS

- USE LOW ASPECT RATIO WINGS
- SWEPT WINGS

### DIAMONDS

- GS DIAMONDS
  - . METEORITIC DIAMONDS
- RT ABRASIVES
  - CARBON
  - SINGLE CRYSTALS

### DIAPHRAGM (ANATOMY)

- GS ANATOMY
  - . RESPIRATORY SYSTEM
  - . DIAPHRAGM (ANATOMY)
- RT DIAPHRAGMS
  - THORAX

### DIAPHRAGMS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT DIAPHRAGM (ANATOMY)
  - DIAPHRAGMS (MECHANICS)
  - ELECTROLYTIC CELLS
  - MEMBRANES

### DIAPHRAGMS (MECHANICS)

- SN (NON-ANATOMICAL)
- UF BLADDERS (MECHANICS)
- GS DIAPHRAGMS (MECHANICS)
  - . EXPULSION BLADDERS
- RT CATHOLYTES
  - DIALYSIS
- DIAPHRAGMS
  - ELECTROLYTIC CELLS
  - MEMBRANE STRUCTURES
  - MEMBRANES
  - OPTICAL FILTERS
  - OSMOSIS
  - THIN PLATES
  - THIN WALLS
  - WEBS (SHEETS)
  - WEBS (SUPPORTS)

### DIASTOLE

- GS HEART FUNCTION
  - . DIASTOLE
- RT BLOOD CIRCULATION
  - BLOOD FLOW
  - BLOOD PRESSURE
  - CARDIOVASCULAR SYSTEM
  - DIASTOLIC PRESSURE
  - HEART
  - HEART RATE
  - SYSTOLE

### DIASTOLIC PRESSURE

- GS PRESSURE
  - . BLOOD PRESSURE
  - . DIASTOLIC PRESSURE
- RT CARDIAC VENTRICLES
  - DIASTOLE

### DIATOMIC GASES

- GS GASES
  - . MOLECULAR GASES
  - . POLYATOMIC GASES
  - . DIATOMIC GASES

### DIATOMIC MOLECULES

- GS MOLECULES
  - . POLYATOMIC MOLECULES
  - . DIATOMIC MOLECULES
- RT LOW MOLECULAR WEIGHTS
  - MORSE POTENTIAL
  - TRIAMINOGUANIDINIUM AZIDE

### DIBASIC COMPOUNDS

- RT CHEMICAL COMPOUNDS
  - MONOMERS

### DIBORANE

- GS BORON COMPOUNDS
  - . DIBORANE
  - HYDROGEN COMPOUNDS
  - HYDRIDES
  - . DIBORANE

### DIBROMIDES

- GS HALOGEN COMPOUNDS
  - . BROMINE COMPOUNDS
  - . BROMIDES
  - . DIBROMIDES
  - . HALIDES
  - . BROMIDES
  - . DIBROMIDES

### DIBUTYL COMPOUNDS

- GS ALKYL COMPOUNDS
  - . DIBUTYL COMPOUNDS
- RT CHEMICAL COMPOUNDS

### DICARBOXYLIC ACIDS

- GS ACIDS
  - . CARBOXYLIC ACIDS
  - . DICARBOXYLIC ACIDS
  - ORGANIC COMPOUNDS
  - . CARBOXYLIC ACIDS
  - . DICARBOXYLIC ACIDS
- RT TEREPHTHALATE

### DICHLORIDES

- GS HALOGEN COMPOUNDS
  - . CHLORINE COMPOUNDS
  - . CHLORIDES
  - . DICHLORIDES
  - . HALIDES
  - . CHLORIDES
  - . DICHLORIDES

### DICHLORODIPHENYLTRICHLOROETHANE

- USE DDT

### DICHOTOMIES

- GS CLASSIFICATIONS
  - . HIERARCHIES
  - . DICHOTOMIES

### DICHROISM

- GS ELECTROMAGNETIC PROPERTIES
  - . OPTICAL PROPERTIES
  - . DICHROISM
- RT COLOR
  - ISOCHROMATICS
  - LIGHT (VISIBLE RADIATION)
  - PHOTOELASTICITY

### DICHROMATES

- USE CHROMATES

### DICKE RADIOMETERS

- UF DICKE TYPE RADIOMETERS
- GS MEASURING INSTRUMENTS
  - . RADIATION MEASURING INSTRUMENTS
  - . ACTINOMETERS
  - . RADIOMETERS
  - . DICKE RADIOMETERS
- RT BOLOMETERS
  - THERMOPILES

### DICKE TYPE RADIOMETERS

- USE DICKE RADIOMETERS

### DICTIONARIES

- UF GLOSSARIES
- RT CODING
  - DECODING
  - DEFINITION
  - DOCUMENTS
  - NOMENCLATURES
  - SPACE GLOSSARIES
  - TERMINOLOGY

### DIDYMIUM

- RT LANTHANUM
  - NEODYMIUM
  - OPTICAL FILTERS
  - PRASEODYMIUM

### DIELDRIN

- GS POISONS

### DIELDRIN-(CONT.)

- . PESTICIDES
- . INSECTICIDES
- . DIELDRIN

### DIELECTRIC CONSTANT

- USE PERMITTIVITY

### DIELECTRIC MATERIALS

- USE DIELECTRICS

### DIELECTRIC PERMEABILITY

- GS PERMEABILITY
  - . DIELECTRIC PERMEABILITY
- RT MAGNETIC PERMEABILITY

### DIELECTRIC POLARIZATION

- GS POLARIZATION (CHARGE SEPARATION)
  - . DIELECTRIC POLARIZATION
- RT DIELECTRICS
  - ELECTRETS
  - ELECTRIC FIELDS

### DIELECTRIC PROPERTIES

- GS ELECTRICAL PROPERTIES
  - . DIELECTRIC PROPERTIES
  - . PERMITTIVITY
- RT ANTIFERROELECTRICITY
  - CAPACITANCE
  - FERROELECTRICITY
  - PROPERTIES
  - SOMMERFELD WAVES

### DIELECTRICS

- UF DIELECTRIC MATERIALS
- GS DIELECTRICS
  - . LOSSLESS MATERIALS
  - . RADOME MATERIALS
- RT BARIUM TITANATES
  - CAPACITANCE SWITCHES
  - CAPACITIVE FUEL GAGES
  - CAPACITORS
  - CERAMICS
  - DIELECTRIC POLARIZATION
  - ELECTRETS
  - ELECTRIC CONDUCTORS
  - ELECTRICAL INSULATION
  - ELECTROMAGNETIC SURFACE WAVES
  - FIELD MODE THEORY
  - INSULATED STRUCTURES
  - INSULATORS
  - MAGNETOELECTRIC MEDIA
  - SCREEN EFFECT
  - SPARK GAPS

### DIELECTRONIC SATELLITE LINES

- USE RESONANCE LINES

### DIELS-ALDER REACTIONS

- GS CHEMICAL REACTIONS
  - . DIELS-ALDER REACTIONS
- RT ORGANIC CHEMISTRY

### DIENCEPHALON

- GS ANATOMY
  - . NERVOUS SYSTEM
  - . CENTRAL NERVOUS SYSTEM
  - . BRAIN
  - . DIENCEPHALON
  - . HYPOTHALAMUS
  - . PINEAL GLAND
  - . THALAMUS
- RT EMBRYOLOGY

### DIENES

- GS ORGANIC COMPOUNDS
  - . HYDROCARBONS
  - . ALIPHATIC HYDROCARBONS
  - . DIENES
  - . BUTADIENE
  - . HEPTADIENE
  - . HEXADIENE
  - . POLYBUTADIENE

### DIES

- RT CASTING
  - COINING
  - CUTTERS
  - EXTRUDING
  - INJECTION MOLDING
  - MACHINE TOOLS
  - MOLDS
  - PULTRUSION
  - PUNCHES

**DIES-(CONT.)**

- RHEOCASTING
- STAMPING
- DIESEL ENGINES**
  - GS ENGINES
    - INTERNAL COMBUSTION ENGINES
    - DIESEL ENGINES
    - PISTON ENGINES
    - DIESEL ENGINES
  - RT LOCOMOTIVES
- DIESEL FUELS**
  - GS FUELS
    - CHEMICAL FUELS
    - HYDROCARBON FUELS
    - DIESEL FUELS
    - LIQUID FUELS
    - DIESEL FUELS
  - PRODUCTS
    - PETROLEUM PRODUCTS
    - DIESEL FUELS
  - RT AUTOMOBILE FUELS
    - GASOLINE
    - INTERNAL COMBUSTION ENGINES
    - KEROSENE

**DIETHYL ETHER**

- GS ETHERS
  - DIETHYL ETHER

**DIETHYL HYDROGEN PHOSPHITE (DEHP)**

- UF DEHP
- GS PHOSPHORUS COMPOUNDS
  - DIETHYL HYDROGEN PHOSPHITE (DEHP)
- RT ETHYL COMPOUNDS

**DIETS**

- RT CALORIC REQUIREMENTS
  - FASTING
  - FOOD
  - NUTRITION
  - SPACE FLIGHT FEEDING

**DIFFERENCE EQUATIONS**

- GS ANALYSIS (MATHEMATICS)
  - NUMERICAL ANALYSIS
  - DIFFERENCE EQUATIONS
- RT APPROXIMATION
  - DIFFERENCES
  - DIFFERENTIAL EQUATIONS
- ∞ EQUATIONS
  - FINITE DIFFERENCE THEORY
  - LINEAR EVOLUTION EQUATIONS
  - NONLINEAR EVOLUTION EQUATIONS
  - NUMERICAL STABILITY

**DIFFERENCES**

- RT DIFFERENCE EQUATIONS
  - DIVERGENCE
  - FINITE DIFFERENCE THEORY
  - GRADIENTS
  - VARIATIONS

**DIFFERENTIAL ALGEBRA**

- USE DIFFERENTIAL CALCULUS
  - MATRICES (MATHEMATICS)

**DIFFERENTIAL AMPLIFIERS**

- GS AMPLIFIERS
  - DIFFERENTIAL AMPLIFIERS
- RT ANALOG COMPUTERS
  - ERROR SIGNALS
  - OPERATIONAL AMPLIFIERS
  - TRANSISTOR AMPLIFIERS

**DIFFERENTIAL ANALYZERS**

- RT ALGORITHMS
  - ANALOG COMPUTERS
  - COMPUTERIZED SIMULATION
  - DIFFERENTIAL EQUATIONS
  - DIGITAL COMPUTERS
  - DIGITAL INTEGRATORS

**DIFFERENTIAL CALCULUS**

- UF DERIVATION CALCULUS
  - DIFFERENTIAL ALGEBRA
- GS ANALYSIS (MATHEMATICS)
  - CALCULUS
  - DIFFERENTIAL CALCULUS
- RT ∞ DIFFERENTIATION
  - DIFFERENTIATORS
  - INTEGRAL CALCULUS

**DIFFERENTIAL CALCULUS-(CONT.)**

- LIMITS (MATHEMATICS)
- MINIMA
- NUMERICAL DIFFERENTIATION
- OPTIMIZATION
- REAL VARIABLES

**DIFFERENTIAL EQUATIONS**

- UF DIFFERENTIAL OPERATORS
  - INTEGRAL DIFFERENTIAL EQUATIONS
- GS ANALYSIS (MATHEMATICS)
  - REAL VARIABLES
  - DIFFERENTIAL EQUATIONS
    - BLASIUS EQUATION
    - CHANDRASEKHAR EQUATION
    - COSINE SERIES
    - DUFFING DIFFERENTIAL EQUATION
    - FALKNER-SKAN EQUATION
    - HYPERBOLIC DIFFERENTIAL EQUATIONS
    - LAME WAVE EQUATIONS
    - PARTIAL DIFFERENTIAL EQUATIONS
      - BIHARMONIC EQUATIONS
      - BURGER EQUATION
      - CAUCHY-RIEMANN EQUATIONS
      - ELLIPTIC DIFFERENTIAL EQUATIONS
      - MONGE-AMPERE EQUATION
      - EULER-CAUCHY EQUATIONS
      - FOKKER-PLANCK EQUATION
      - GAUSS EQUATION
      - HELMHOLTZ VORTICITY EQUATION
      - LIQUILLE EQUATIONS
      - PARABOLIC DIFFERENTIAL EQUATIONS
      - POISSON EQUATION
      - VLASOV EQUATIONS
      - RICCATI EQUATION
      - VORTICITY EQUATIONS
      - HELMHOLTZ VORTICITY EQUATION
- RT AIRY FUNCTION
  - ALTERNATING DIRECTION IMPLICIT METHODS
  - ASYMPTOTIC PROPERTIES
  - BACKWARD DIFFERENCING
  - BESSEL FUNCTIONS
  - BETHE-SALPETER EQUATION
  - BOND GRAPHS
  - BOUNDARY LAYER EQUATIONS
  - BOUNDARY VALUE PROBLEMS
  - CALCULUS
  - CALCULUS OF VARIATIONS
  - CAUCHY PROBLEM
  - CRANK-NICHOLSON METHOD
  - DIFFERENCE EQUATIONS
  - DIFFERENTIAL ANALYZERS
  - DIRICHLET PROBLEM
  - DISTRIBUTED PARAMETER SYSTEMS
  - EQUATIONS
  - FLOQUET THEOREM
  - FOURIER ANALYSIS
  - FOURIER-BESSEL TRANSFORMATIONS
  - FUNCTIONAL INTEGRATION
  - GREEN'S FUNCTIONS
  - HALF PLANES
  - HANKEL FUNCTIONS
  - HILL DETERMINANT
  - INTEGRAL EQUATIONS
  - INTEGRALS
  - LAGRANGE MULTIPLIERS
  - LAME FUNCTIONS
  - LAPLACE TRANSFORMATION
  - LIAPUNOV FUNCTIONS
  - LINEAR EQUATIONS
  - LINEARITY
  - LIPSCHITZ CONDITION
  - MATHIEU FUNCTION
  - MAXIMUM PRINCIPLE
  - MILNE METHOD
  - NEUMANN PROBLEM
  - NONLINEAR EQUATIONS
  - NONLINEARITY
  - NUMERICAL ANALYSIS
  - NUMERICAL DIFFERENTIATION
  - NUMERICAL INTEGRATION
  - NUMERICAL STABILITY
  - OPERATIONAL CALCULUS
  - PFUFF EQUATION
  - POTENTIAL THEORY
  - PREDICTOR-CORRECTOR METHODS
  - RIEMANN WAVES
  - RIESZ THEOREM
  - SCHAUDER FIXPOINT THEOREM
  - SCHMIDT METHOD
  - SPECTRAL METHODS
  - STABILITY DERIVATIVES

**DIFFERENTIAL EQUATIONS-(CONT.)**

- STURM-LIOUVILLE THEORY
- VECTOR ANALYSIS
- WHITTAKER FUNCTIONS

**DIFFERENTIAL GEOMETRY**

- UF NONEUCLIDIAN GEOMETRY
- GS GEOMETRY
  - DIFFERENTIAL GEOMETRY
  - LIE GROUPS
  - SPINOR GROUPS
  - RIEMANN MANIFOLD
  - TENSOR ANALYSIS
- RT ANALYTIC GEOMETRY
  - ANALYZING
  - CURVATURE
  - CURVES (GEOMETRY)
  - INVARIANT IMBEDDINGS
  - LOFTING
  - RELATIVITY

**DIFFERENTIAL INTERFEROMETRY**

- GS INTERFEROMETRY
  - DIFFERENTIAL INTERFEROMETRY
- RT FLOW VISUALIZATION
  - HOLOGRAPHY
  - SCHLIEREN PHOTOGRAPHY

**DIFFERENTIAL OPERATORS**

- USE DIFFERENTIAL EQUATIONS
  - OPERATORS (MATHEMATICS)

**DIFFERENTIAL PRESSURE**

- GS PRESSURE
  - DIFFERENTIAL PRESSURE
- RT PRESSURE DISTRIBUTION
  - PRESSURE GRADIENTS
  - PRESSURE MEASUREMENT

**DIFFERENTIAL PULSE CODE MODULATION**

- UF DPCM (MODULATION)
- GS CODING
  - SIGNAL ENCODING
  - PULSE MODULATION
  - PULSE CODE MODULATION
  - DIFFERENTIAL PULSE CODE MODULATION
- MODULATION
  - PULSE MODULATION
  - PULSE CODE MODULATION
  - DIFFERENTIAL PULSE CODE MODULATION
- RT BITERNARY CODE
  - DECOMMUTATORS
  - LINEAR PREDICTION
  - P.A.C.M. TELEMETRY
  - PCM TELEMETRY
  - PULSE COMMUNICATION
  - PULSE FREQUENCY MODULATION
  - TELEMETRY
  - UNIFIED S BAND

**DIFFERENTIAL THERMAL ANALYSIS**

- USE THERMAL ANALYSIS

**∞ DIFFERENTIATION**

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT TERMS LISTED BELOW)
- RT ANATOMY
  - CYTOGENESIS
  - DIFFERENTIAL CALCULUS
  - DIFFERENTIATION (BIOLOGY)
  - DISCRIMINATION

**DIFFERENTIATION (BIOLOGY)**

- GS CYTOGENESIS
  - DIFFERENTIATION (BIOLOGY)
- RT ANATOMY
  - ∞ BIOLOGY
  - ∞ DIFFERENTIATION
  - EMBRYOLOGY
  - MORPHOLOGY
  - PHYSIOLOGY

**DIFFERENTIATORS**

- RT CIRCUITS
  - DIFFERENTIAL CALCULUS
  - INTEGRATORS
  - ∞ NETWORKS

**DIFFRACTION**

- UF INTERFERENCE MONOCHROMATIZATION
- KIRCHHOFF-HUYGENS PRINCIPLE



## DIFFRACTION GRATINGS

### DIFFRACTION-(CONT.)

GS **DIFFRACTION**  
 . ELECTRON DIFFRACTION  
 . FRESNEL DIFFRACTION  
 . NEUTRON DIFFRACTION  
 . PULSE DIFFRACTION  
 . WAVE DIFFRACTION  
 . X RAY DIFFRACTION  
 RT **ATMOSPHERIC SCATTERING**  
 ATTENUATION  
 BRAGG ANGLE  
 CAUSTICS (OPTICS)  
 CRYSTAL OPTICS  
 DEBYE-SCHERRER METHOD  
 DEFLECTION  
 DIFFRACTOMETERS  
 ECHELETTE GRATINGS  
 ELECTROMAGNETIC RADIATION  
 GEOMETRICAL THEORY OF  
 DIFFRACTION  
 HUYGENS PRINCIPLE  
 ISOCHROMATICS  
 LAUE METHOD  
 MOIRE EFFECTS  
 MOSAICS  
 OPTICAL PROPERTIES  
 RAY TRACING  
 REFRACTION  
 TRANSMISSION  
 WAVE DISPERSION  
 WAVE PROPAGATION

### DIFFRACTION GRATINGS

USE GRATINGS (SPECTRA)

### DIFFRACTION LIMITED CAMERAS

GS **OPTICAL EQUIPMENT**  
 . CAMERAS  
 . . **DIFFRACTION LIMITED CAMERAS**  
 PHOTOGRAPHIC EQUIPMENT  
 . CAMERAS  
 . . **DIFFRACTION LIMITED CAMERAS**  
 RT **ASTRONOMICAL PHOTOGRAPHY**  
 SPACEBORNE PHOTOGRAPHY  
 SPACEBORNE TELESCOPES

### DIFFRACTION PATHS

RT **BRAGG ANGLE**  
 ELECTRON TRAJECTORIES  
 MULTIPATH TRANSMISSION  
 OPTICAL PATHS  
 ∞ PATHS  
 SPHERICAL WAVES

### DIFFRACTION PATTERNS

UF **FRINGE PATTERNS**  
 GS **DISTRIBUTION (PROPERTY)**  
 . RADIATION DISTRIBUTION  
 . . **DIFFRACTION PATTERNS**  
 . . . KOSSEL PATTERN  
 . . . RAINBOWS  
 RT **DIFFRACTOMETERS**  
 FRESNEL INTEGRALS  
 FRESNEL REGION  
 FRINGE MULTIPLICATION  
 GEOMETRICAL THEORY OF  
 DIFFRACTION  
 HOLOGRAPHIC INTERFEROMETRY  
 INTERFEROMETRY  
 MOIRE FRINGES  
 MOIRE INTERFEROMETRY  
 NULL ZONES  
 ∞ OPTICS  
 ∞ PATTERNS  
 PHASE CONTRAST  
 POMERANCHUK THEOREM  
 SIGNAL FADING  
 SPECKLE HOLOGRAPHY  
 SPECKLE INTERFEROMETRY  
 SPECKLE PATTERNS  
 UNDERWATER OPTICS  
 VERY LONG BASE INTERFEROMETRY

### DIFFRACTION PROPAGATION

GS **TRANSMISSION**  
 . WAVE PROPAGATION  
 . . **DIFFRACTION PROPAGATION**  
 RT **DIFFRACTION RADIATION**  
 GEOMETRICAL OPTICS  
 ∞ OPTICS  
 ∞ PROPAGATION  
 SPHERICAL WAVES  
 UNDERWATER OPTICS

### DIFFRACTION RADIATION

GS **ELECTROMAGNETIC RADIATION**  
 . **DIFFRACTION RADIATION**  
 RT **BREMSSTRAHLUNG**  
 CYCLOTRON RESONANCE DEVICES  
 DIFFRACTION PROPAGATION  
 ELECTRON BEAMS  
 ELECTRON DIFFRACTION  
 FREE ELECTRON LASERS  
 GRATINGS (SPECTRA)  
 LASER OUTPUTS  
 LIGHT EMISSION  
 MASER OUTPUTS  
 MASERS  
 MICROWAVE EMISSION  
 MICROWAVE OSCILLATORS  
 MICROWAVE TUBES  
 MICROWAVES  
 NONUNIFORM MAGNETIC FIELDS  
 PARTICLE MOTION  
 RELATIVISTIC ELECTRON BEAMS  
 STIMULATED EMISSION DEVICES  
 TRANSFERRED ELECTRON DEVICES  
 TUNABLE LASERS  
 WAVE DIFFRACTION  
 WAVE EXCITATION  
 WIGGLER MAGNETS

### DIFFRACTION TELESCOPES

USE SPECTROSCOPIC TELESCOPES

### DIFFRACTOMETERS

GS **MEASURING INSTRUMENTS**  
 . OPTICAL MEASURING INSTRUMENTS  
 . . **DIFFRACTOMETERS**  
 OPTICAL EQUIPMENT  
 . OPTICAL MEASURING INSTRUMENTS  
 . . **DIFFRACTOMETERS**  
 RT **CHEMICAL ANALYSIS**  
 DIFFRACTION  
 DIFFRACTION PATTERNS  
 ETALONS  
 GONIOMETERS  
 INTERFEROMETERS  
 MACH-ZEHNDER INTERFEROMETERS  
 OPTICAL MEASUREMENT  
 PHOTOgoniometers  
 SPECTROMETERS  
 WAVE FRONT RECONSTRUCTION

### DIFFUSE RADIATION

UF **LUNAR SCATTERING**  
 RT **HEAT TRANSFER**  
 LIGHT SCATTERING  
 POINT SOURCES  
 ∞ RADIATION  
 SPECULAR REFLECTION

### ∞ DIFFUSERS

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED-CONSULT THE TERMS  
 LISTED BELOW)*  
 UF **SHOCK DIFFUSERS**  
 RT **AIR CONDITIONING**  
 AIR CONDITIONING EQUIPMENT  
 ATTENUATORS  
 BAFFLES  
 BOUNDARY LAYER SEPARATION  
 CEILINGS (ARCHITECTURE)  
 CHOKES  
 CONICAL FLOW  
 DEFLECTORS  
 DIFFUSION  
 DIVERTERS  
 ENGINE INLETS  
 EXHAUST DIFFUSERS  
 HYPERSONIC INLETS  
 ∞ ILLUMINATION  
 INLET FLOW  
 INLET NOZZLES  
 LOUVERS  
 MIXERS  
 MUFFLERS  
 ∞ NOZZLES  
 POROUS WALLS  
 PRESSURE RECOVERY  
 SEPARATORS  
 SPRAYERS  
 SUPERSONIC DIFFUSERS  
 VANELESS DIFFUSERS  
 VENTILATORS

### DIFFUSION

UF **DIFFUSION EFFECT**  
 PERFUSION

### DIFFUSION-(CONT.)

GS **DIFFUSION**  
 . AMBIPOLAR DIFFUSION  
 . ATMOSPHERIC DIFFUSION  
 . GASEOUS DIFFUSION  
 . . GASEOUS SELF-DIFFUSION  
 . MAGNETIC DIFFUSION  
 . MOLECULAR DIFFUSION  
 . PARTICLE DIFFUSION  
 . . ELECTRON DIFFUSION  
 . IONIC DIFFUSION  
 . PLASMA DIFFUSION  
 . SELF DIFFUSION (SOLID STATE)  
 . SELF PROPAGATION  
 . SPECIES DIFFUSION  
 . SURFACE DIFFUSION  
 . THERMAL DIFFUSION  
 . TURBULENT DIFFUSION  
 RT ∞ **ABSORPTION**  
 ADSORPTION  
 AIR POLLUTION  
 ATMOSPHERIC SCATTERING  
 CHEMICAL ENGINEERING  
 CIRCULATION  
 DEHUMIDIFICATION  
 DIALYSIS  
 ∞ **DIFFUSERS**  
 DIFFUSION LENGTH  
 DIFFUSIVITY  
 DILUTION  
 DISPERSING  
 ∞ **DISPERSION**  
 DISSIPATION  
 DISSOLVING  
 DISTILLATION  
 DRYING  
 ∞ **EFFECTS**  
 EINSTEIN EQUATIONS  
 ∞ **EQUILIBRIUM**  
 EVAPORATION  
 EXTRACTION  
 FICKS EQUATION  
 GAS-METAL INTERACTIONS  
 KINETIC THEORY  
 MIXING  
 NONPOINT SOURCES  
 OSMOSIS  
 PENETRATION  
 PERCOLATION  
 PERMEABILITY  
 PERMEATING  
 ∞ **PROPAGATION**  
 RADIAL FLOW  
 REFLECTION  
 SCATTERING  
 SELF ABSORPTION  
 ∞ **SEPARATION**  
 SOUND PROPAGATION  
 SOUND WAVES  
 SPRAYING  
 SPREADING  
 SUBLIMATION  
 SURFACE PROPERTIES  
 THERMOPHORESIS  
 TRANSPORT PROPERTIES

### DIFFUSION BONDING

USE DIFFUSION WELDING

### DIFFUSION COEFFICIENT

GS **COEFFICIENTS**  
 . **DIFFUSION COEFFICIENT**  
 . . Soret COEFFICIENT  
 TRANSPORT PROPERTIES  
 . **DIFFUSION COEFFICIENT**  
 . . Soret COEFFICIENT  
 RT **ATTENUATION COEFFICIENTS**  
 ∞ **EQUILIBRIUM**  
 FICKS EQUATION  
 GASEOUS DIFFUSION  
 LEWIS NUMBERS  
 MASS FLOW RATE  
 MOLECULAR DIFFUSION  
 PARTICLE DIFFUSION

### DIFFUSION EFFECT

USE DIFFUSION

### DIFFUSION ELECTRODES

GS **ELECTRODES**  
 . **DIFFUSION ELECTRODES**  
 RT **ELECTROLYTIC CELLS**  
 SEMICONDUCTOR DEVICES

**DIFFUSION FLAMES**

- GS FLAMES
  - . **DIFFUSION FLAMES**
- RT BOUNDARY LAYER COMBUSTION
- COMBUSTION
- DAMKOLHER NUMBER

**DIFFUSION LENGTH**

- GS DIMENSIONS
  - . LENGTH
  - . **DIFFUSION LENGTH**
  - . DISTANCE
  - . **DIFFUSION LENGTH**
- RT CARRIER TRANSPORT (SOLID STATE)
- DIFFUSION
- ELECTRON DIFFUSION
- MINORITY CARRIERS
- PARTICLE DIFFUSION
- SEMICONDUCTOR DEVICES
- SOLAR CELLS

**DIFFUSION PUMPS**

- GS PUMPS
  - . **DIFFUSION PUMPS**
- RT VACUUM APPARATUS
- VACUUM PUMPS

**DIFFUSION THEORY**

- RT EINSTEIN EQUATIONS
- FOKKER-PLANCK EQUATION
- JACOBI INTEGRAL
- KINETIC THEORY
- KIRKENDALL EFFECT
- MONTE CARLO METHOD
- ∞ THEORIES
- TRANSPORT THEORY

**DIFFUSION WAVES**

- RT ELASTIC WAVES
- ELECTRON DIFFUSION
- ELECTROSTATIC WAVES
- IONIC DIFFUSION
- KINETIC THEORY
- MOLECULAR DIFFUSION
- PLASMA DIFFUSION
- PLASMA WAVES

**DIFFUSION WELDING**

- UF DIFFUSION BONDING
- GS WELDING
  - . PRESSURE WELDING
  - . **DIFFUSION WELDING**
- RT BONDING
- BURNERS
- KIRKENDALL EFFECT
- METAL BONDING
- METAL-METAL BONDING

**DIFFUSIVITY**

- RT DIFFUSION
- FLUID MECHANICS
- IMPEDANCE
- KIRKENDALL EFFECT
- MOBILITY
- NDM SEMICONDUCTOR DEVICES
- PERMEABILITY
- ∞ PHYSICAL PROPERTIES
- ∞ RESISTANCE
- SOLUBILITY
- THERMODYNAMIC PROPERTIES

**DIFLUORIDES**

- GS HALOGEN COMPOUNDS
  - . FLUORINE COMPOUNDS
  - . FLUORIDES
  - . **DIFLUORIDES**
  - . . . . . CALCIUM FLUORIDES
  - . . . . . FLUORSPAR
  - . HALIDES
  - . FLUORIDES
  - . **DIFLUORIDES**
  - . . . . . CALCIUM FLUORIDES
  - . . . . . FLUORSPAR

**DIFLUORO COMPOUNDS**

- GS HALOGEN COMPOUNDS
  - . FLUORINE COMPOUNDS
  - . FLUORO COMPOUNDS
  - . **DIFLUORO COMPOUNDS**
  - . . . . . PERFLUOROALKANE
  - . . . . . POLYTETRAFLUOROETHYLENE
  - . . . . . TEFLON (TRADEMARK)
- RT ∞ CHEMICAL COMPOUNDS

**DIFLUOROUREA**

- GS AMINES
  - . **DIFLUOROUREA**
  - . NITROGEN COMPOUNDS
  - . AMIDES
  - . UREAS
  - . . . **DIFLUOROUREA**

**DIGESTING**

- RT EATING
- ENZYMOLGY
- ∞ FOOD
- LYSINE
- MASTICATION
- SOFTENING

**DIGESTIVE SYSTEM**

- GS ANATOMY
  - . **DIGESTIVE SYSTEM**
  - . ESOPHAGUS
  - . GASTROINTESTINAL SYSTEM
  - . . . APPENDIX (ANATOMY)
  - . . . INTESTINES
  - . . . RECTUM
  - . . . STOMACH
  - . . . MOUTH
  - . . . PANCREAS
  - . . . SALIVARY GLANDS
  - . . . TEETH
  - . . . TONGUE
- RT ABDOMEN
- ENZYME ACTIVITY
- ENZYMOLGY
- GALL
- ORGANS
- SALIVA
- ∞ SYSTEMS

**DIGITAL CIRCUITS**

- USE DIGITAL ELECTRONICS
- LOGIC CIRCUITS

**DIGITAL COMMAND SYSTEMS**

- RT NUMERICAL CONTROL
- REMOTE CONTROL
- SERVOCONTROL
- ∞ SYSTEMS

**DIGITAL COMMUNICATION**

- USE PULSE COMMUNICATION

**DIGITAL COMPUTERS**

- GS DATA PROCESSING EQUIPMENT
  - . COMPUTERS
  - . **DIGITAL COMPUTERS**
  - . . . CDC CYBER 74 COMPUTER
  - . . . CDC CYBER 170 SERIES
  - . . . COMPUTERS
  - . . . CDC CYBER 174 COMPUTER
  - . . . CDC CYBER 203 COMPUTER
  - . . . CDC CYBER 205 COMPUTER
  - . . . CDC STAR 100 COMPUTER
  - . . . CDC 160-A COMPUTER
  - . . . CDC 1604 COMPUTER
  - . . . CDC 3100 COMPUTER
  - . . . CDC 3200 COMPUTER
  - . . . CDC 3600 COMPUTER
  - . . . CDC 3800 COMPUTER
  - . . . CDC 6000 SERIES COMPUTERS
  - . . . CDC 6400 COMPUTER
  - . . . CDC 6600 COMPUTER
  - . . . CDC 6700 COMPUTER
  - . . . CDC 7000 SERIES COMPUTERS
  - . . . CDC 7600 COMPUTER
  - . . . CDC 8090 COMPUTER
  - . . . EAI 680 COMPUTER
  - . . . EAI 8400 COMPUTER
  - . . . EAI 8900 COMPUTER
  - . . . EMR 6050 COMPUTER
  - . . . FERRANTI MERCURY COMPUTER
  - . . . GE COMPUTERS
  - . . . GE 625 COMPUTER
  - . . . GE 635 COMPUTER
  - . . . HEWLETT-PACKARD COMPUTERS
  - . . . HONEYWELL COMPUTERS
  - . . . DDP 516 COMPUTER
  - . . . HONEYWELL ADEPT COMPUTER
  - . . . HONEYWELL DDP 116 COMPUTER
  - . . . HONEYWELL 600/6000 COMPUTER
  - . . . IBM 360 COMPUTER
  - . . . IBM 370 COMPUTER
  - . . . IBM 650 COMPUTER
  - . . . IBM 704 COMPUTER
  - . . . IBM 709 COMPUTER
  - . . . IBM 1130 COMPUTER

**DIGITAL COMPUTERS-(CONT.)**

- . . . IBM 1401 COMPUTER
- . . . IBM 1410 COMPUTER
- . . . IBM 1620 COMPUTER
- . . . IBM 2250 COMPUTER
- . . . IBM 7000 SERIES COMPUTERS
- . . . IBM 7030 COMPUTER
- . . . IBM 7040 COMPUTER
- . . . IBM 7044 COMPUTER
- . . . IBM 7070 COMPUTER
- . . . IBM 7074 COMPUTER
- . . . IBM 7090 COMPUTER
- . . . IBM 7094 COMPUTER
- . . . ICL COMPUTERS
- . . . ILLIAC COMPUTERS
- . . . ILLIAC 3 COMPUTER
- . . . ILLIAC 4 COMPUTER
- . . . MICROCOMPUTERS
- . . . PERSONAL COMPUTERS
- . . . MINICOMPUTERS
- . . . NOVA COMPUTERS
- . . . MODCOMP II COMPUTER
- . . . MODCOMP IV COMPUTER
- . . . PARALLEL COMPUTERS
- . . . MIMD (COMPUTERS)
- . . . SIMD (COMPUTERS)
- . . . PDP COMPUTERS
- . . . PDP 7 COMPUTER
- . . . PDP 8 COMPUTER
- . . . PDP 9 COMPUTER
- . . . PDP 10 COMPUTER
- . . . PDP 11 COMPUTER
- . . . PDP 11/20 COMPUTER
- . . . PDP 11/40 COMPUTER
- . . . PDP 11/45 COMPUTER
- . . . PDP 11/50 COMPUTER
- . . . PDP 11/70 COMPUTER
- . . . PDP 12 COMPUTER
- . . . PDP 15 COMPUTER
- . . . PHILCO 2000 COMPUTER
- . . . RAYTHEON COMPUTERS
- . . . RCA SPECTRA 70 COMPUTER
- . . . SDS 900 SERIES COMPUTERS
- . . . SDS 930 COMPUTER
- . . . SDS 9300 COMPUTER
- . . . SEL COMPUTERS
- . . . SEQUENTIAL COMPUTERS
- . . . SIGMA COMPUTERS
- . . . SIGMA 9 COMPUTER
- . . . SIGMA 5 COMPUTER
- . . . SOLOMON COMPUTERS
- . . . UNIVAC LARC COMPUTER
- . . . UNIVAC 80 COMPUTER
- . . . UNIVAC 418 COMPUTER
- . . . UNIVAC 490 COMPUTER
- . . . UNIVAC 494 COMPUTER
- . . . UNIVAC 1100 SERIES COMPUTERS
- . . . UNIVAC 1105 COMPUTER
- . . . UNIVAC 1106 COMPUTER
- . . . UNIVAC 1107 COMPUTER
- . . . UNIVAC 1108 COMPUTER
- . . . UNIVAC 1110 COMPUTER
- . . . UNIVAC 1230 COMPUTER
- . . . VAX COMPUTERS
- . . . VAX-11 SERIES COMPUTERS
- . . . VAX-11/780 COMPUTER
- RT ANALOG COMPUTERS
- ANALOG TO DIGITAL CONVERTERS
- ASSOCIATIVE PROCESSING (COMPUTERS)
- CDC COMPUTERS
- COMPUTER COMPATIBLE TAPES
- COMPUTER PROGRAM INTEGRITY
- COMPUTER PROGRAMS
- COMPUTER SYSTEMS PROGRAMS
- DATA PROCESSING
- DDP COMPUTERS
- DIFFERENTIAL ANALYZERS
- HYBRID COMPUTERS
- IBM COMPUTERS
- LOGIC CIRCUITS
- TURING MACHINES
- UNIVAC COMPUTERS

**DIGITAL DATA**

- RT ANALOG DATA
- BINARY DATA
- ∞ DATA
- DATA CONVERTERS
- DATA PROCESSING
- VIDEO DATA

**DIGITAL ELECTRONICS**

- UF DIGITAL CIRCUITS
- GS CIRCUITS

## DIGITAL FILTERS

### DIGITAL ELECTRONICS-(CONT.)

- . DIGITAL ELECTRONICS
- . . LOGIC CIRCUITS
- . . . THRESHOLD GATES
- RT ANALOG TO DIGITAL CONVERTERS
- BINARY DIGITS
- COMPUTER COMPONENTS
- DIGITAL SYSTEMS
- DIGITAL TECHNIQUES
- DIGITAL TO ANALOG CONVERTERS
- ∞ ELECTRONICS
- LOGICAL ELEMENTS

### DIGITAL FILTERS

- GS ELECTROMAGNETIC WAVE FILTERS
- . ELECTRIC FILTERS
- . . DIGITAL FILTERS
- . . . FIR FILTERS
- RT ∞ FILTERS
- MICROWAVE FILTERS

### DIGITAL INTEGRATORS

- GS CIRCUITS
- . DIGITAL INTEGRATORS
- INTEGRATORS
- . DIGITAL INTEGRATORS
- RT BINARY INTEGRATION
- DIFFERENTIAL ANALYZERS
- FUNCTIONAL INTEGRATION
- NUMERICAL INTEGRATION

### DIGITAL NAVIGATION

- GS DIGITAL SYSTEMS
- . DIGITAL NAVIGATION
- NAVIGATION
- . DIGITAL NAVIGATION
- RT AIR NAVIGATION
- DEAD RECKONING
- INERTIAL NAVIGATION
- POLAR NAVIGATION
- SPACE NAVIGATION
- SURFACE NAVIGATION

### DIGITAL RADAR SYSTEMS

- GS DIGITAL SYSTEMS
- . DIGITAL RADAR SYSTEMS
- RT ANTIRADIATION MISSILES
- DATA PROCESSING EQUIPMENT
- RADAR DETECTION
- RADAR EQUIPMENT
- RADAR RECEIVERS
- RADAR SCANNING
- RADAR TARGETS
- RADAR TRACKING
- RADAR TRANSMISSION
- SIGNAL ANALYSIS
- SURVEILLANCE RADAR
- TRACKING RADAR

### DIGITAL SIMULATION

- GS MODELS
- . MATHEMATICAL MODELS
- . . DIGITAL SIMULATION
- SIMULATION
- . COMPUTERIZED SIMULATION
- . . DIGITAL SIMULATION
- RT ANALOG SIMULATION
- BIOLOGICAL MODELS (MATHEMATICS)
- COMPUTER SYSTEMS SIMULATION
- WAR GAMES

### DIGITAL SPACECRAFT TELEVISION

- GS COMMUNICATION EQUIPMENT
- . SPACECRAFT TELEVISION
- . . DIGITAL SPACECRAFT TELEVISION
- DIGITAL TELEVISION
- . DIGITAL SPACECRAFT TELEVISION
- TELECOMMUNICATION
- . PULSE COMMUNICATION
- . . DIGITAL SPACECRAFT TELEVISION
- . SPACECRAFT TELEVISION
- . . DIGITAL SPACECRAFT TELEVISION
- TELEVISION SYSTEMS
- . SPACECRAFT TELEVISION
- . . DIGITAL SPACECRAFT TELEVISION
- RT WIRELESS COMMUNICATION

### DIGITAL SYSTEMS

- UF BINARY SYSTEMS (DIGITAL)
- TERNARY SYSTEMS (DIGITAL)
- GS DIGITAL SYSTEMS
- . DIGITAL NAVIGATION
- . DIGITAL RADAR SYSTEMS
- RT ANALOG TO DIGITAL CONVERTERS
- BINARY CODES

### DIGITAL SYSTEMS-(CONT.)

- BINARY DIGITS
- BITERNARY CODE
- DATA SYSTEMS
- DIGITAL ELECTRONICS
- ∞ SYSTEMS
- SYSTEMS INTEGRATION
- TELECOMMUNICATION

### DIGITAL TECHNIQUES

- RT BCH CODES
- BISTABLE CIRCUITS
- CODING
- COMPUTER PROGRAMMING
- DIGITAL ELECTRONICS
- ERROR CORRECTING CODES
- ERROR DETECTION CODES
- ∞ METHODOLOGY
- NUMERICAL CONTROL
- SHIFT REGISTERS
- TERMINAL AREA ENERGY MANAGEMENT

### DIGITAL TELEVISION

- GS DIGITAL TELEVISION
- . DIGITAL SPACECRAFT TELEVISION
- RT PULSE COMMUNICATION
- TELEVISION SYSTEMS
- TELEVISION TRANSMISSION

### DIGITAL TO ANALOG CONVERTERS

- GS DATA CONVERTERS
- . DIGITAL TO ANALOG CONVERTERS
- RT ANALOG TO DIGITAL CONVERTERS
- ∞ CONVERTERS
- DIGITAL ELECTRONICS
- PERIPHERAL EQUIPMENT (COMPUTERS)
- PLOTTERS
- SIGNAL ENCODING
- X-Y PLOTTERS

### DIGITAL TO VOICE TRANSLATORS

- UF DIVOT (VOICE TRANSLATORS)
- RT COMPUTERS
- ∞ TRANSLATORS
- VOCODERS
- VOICE DATA PROCESSING

### DIGITAL TRANSDUCERS

- GS TRANSDUCERS
- . DIGITAL TRANSDUCERS
- RT INTERDIGITAL TRANSDUCERS

### DIGITALIS

- GS DRUGS
- . DIGITALIS

### DIGITIZERS

- USE ANALOG TO DIGITAL CONVERTERS

### DIGITS

- SN (EXCLUDES FINGERS AND TOES)
- GS ALPHANUMERIC CHARACTERS
- . DIGITS
- . . BINARY DIGITS
- RT ∞ CODES
- DECIMALS
- INTEGERS
- NUMBER THEORY
- ∞ NUMBERS
- SYMBOLS

### DIHEDRAL ANGLE

- GS GEOMETRY
- . EUCLIDEAN GEOMETRY
- . . ANGLES (GEOMETRY)
- . . . DIHEDRAL ANGLE
- RT LATERAL STABILITY

### DIHEDRAL EFFECT

- USE LATERAL STABILITY

### DIHYDRAZINE

- GS HYDRAZINES
- . DIHYDRAZINE

### DIHYDRIDES

- GS HYDROGEN COMPOUNDS
- . HYDRIDES
- . . DIHYDRIDES

### DIHYDROXYPHENYLALANINE

- USE DOPA

### DIISOCYANATES

- GS ESTERS
- . ISOCYANATES
- . . DIISOCYANATES
- NITROGEN COMPOUNDS
- . CYANO COMPOUNDS
- . . ISOCYANATES
- . . . DIISOCYANATES

### DIKES (GEOLOGY)

- USE ROCK INTRUSIONS

### DILATATION

- USE STRETCHING

### DILATATIONAL WAVES

- GS ELASTIC WAVES
- . DILATATIONAL WAVES
- RT LONGITUDINAL WAVES
- P WAVES
- S WAVES
- SEISMIC WAVES
- ∞ SHEAR
- STRETCHING
- ∞ WAVES

### DILATOMETERS

- USE EXTENSOMETERS

### DILATOMETRY

- RT EXTENSOMETERS
- ∞ MEASUREMENT
- THERMAL EXPANSION

### DILUENTS

- RT ADDITIVES
- ∞ AGENTS
- COMBUSTION PRODUCTS
- CONTAMINANTS
- DISPERSIONS
- EXHAUST GASES
- SOLVENTS

### DILUTION

- GS DILUTION
- . GEOMETRIC DILUTION OF PRECISION
- RT ATTENUATION
- CONCENTRATION (COMPOSITION)
- DIFFUSION
- DISPERSING
- DISPOSAL
- DISSIPATION
- DISSOLVING
- LOW CONCENTRATIONS
- MIXING
- PURITY
- ∞ REDUCTION
- WASTE DISPOSAL

### DIMENHYDRINATE

- GS AMINES
- . DIMENHYDRINATE
- DRUGS
- . ANTIHISTAMINICS
- . . DIMENHYDRINATE
- ORGANIC COMPOUNDS
- . CYCLIC COMPOUNDS
- . . HETEROCYCLIC COMPOUNDS
- . . . DIMENHYDRINATE

### DIMENSIONAL ANALYSIS

- RT ∞ APPLICATIONS OF MATHEMATICS
- DIMENSIONLESS NUMBERS
- DIMENSIONS
- FIBERS (MATHEMATICS)
- FLUID FLOW
- PARAMETERIZATION
- SCALING LAWS
- SIMILARITY NUMBERS
- UNITS OF MEASUREMENT

### DIMENSIONAL MEASUREMENT

- RT DEFORMETERS
- DISTANCE MEASURING EQUIPMENT
- ∞ MEASUREMENT
- MICROMETERS
- SIZE DETERMINATION

### DIMENSIONAL STABILITY

- GS MECHANICAL PROPERTIES
- . DIMENSIONAL STABILITY
- . . STRUCTURAL STABILITY
- . . . SHELL STABILITY
- STABILITY

**DIMENSIONAL STABILITY-(CONT.)**

. STATIC STABILITY  
 . **DIMENSIONAL STABILITY**  
 . . . STRUCTURAL STABILITY  
 . . . . SHELL STABILITY  
 RT CREEP PROPERTIES  
 CURL (MATERIALS)  
 DYNAMIC STABILITY  
 ROCHE LIMIT  
 THERMAL STABILITY  
 TOLERANCES (MECHANICS)

**DIMENSIONLESS NUMBERS**

GS RATIOS  
 . **DIMENSIONLESS NUMBERS**  
 . . BIOT NUMBER  
 . . FROUDE NUMBER  
 . . GRASHOF NUMBER  
 . . HARTMANN NUMBER  
 . . LAVAL NUMBER  
 . . LEWIS NUMBERS  
 . . MACH NUMBER  
 . . NUSSELT NUMBER  
 . . PECLET NUMBER  
 . . PRANDTL NUMBER  
 . . RAYLEIGH NUMBER  
 . . REYNOLDS NUMBER  
 . . . HIGH REYNOLDS NUMBER  
 . . . LOW REYNOLDS NUMBER  
 . . RICHARDSON NUMBER  
 . . SCHMIDT NUMBER  
 . . SIMILARITY NUMBERS  
 . . STANTON NUMBER  
 . . STROUHAL NUMBER  
 RT DIMENSIONAL ANALYSIS  
 FLUID FLOW  
 HEAT TRANSFER  
 ∞ NUMBERS  
 SCALING LAWS

**DIMENSIONS**

GS **DIMENSIONS**  
 . DEPTH  
 . DIAMETERS  
 . FILM THICKNESS  
 . FRACTALS  
 . HEIGHT  
 . SCALE HEIGHT  
 . LENGTH  
 . . DIFFUSION LENGTH  
 . RADII  
 . . LARMOR RADIUS  
 . . TARGET THICKNESS  
 . WIDTH  
 RT AMPLITUDES  
 ∞ DESIGN  
 DIMENSIONAL ANALYSIS  
 DISTANCE  
 DRAWINGS  
 ENGINEERING DRAWINGS  
 FINENESS RATIO  
 GEOMETRY  
 MAGNITUDE  
 PARTICLE SIZE DISTRIBUTION  
 RELATIVISTIC EFFECTS  
 ∞ SPAN  
 THICKNESS  
 TOPOLOGY  
 UNITS OF MEASUREMENT  
 VOLUME

**DIMERCAPROL**

GS SULFUR COMPOUNDS  
 . THIOLS  
 . **DIMERCAPROL**

**DIMERIZATION**

GS SYNTHESIS (CHEMISTRY)  
 . POLYMERIZATION  
 . **DIMERIZATION**  
 RT COPOLYMERIZATION

**DIMERS**

GS PREPOLYMERS  
 . **DIMERS**  
 RT MONOMERS  
 TRIMERS

**DIMETHYLHYDRAZINES**

GS AMINES  
 . **DIMETHYLHYDRAZINES**  
 HYDRAZINES  
 . **DIMETHYLHYDRAZINES**  
 RT AEROZINE  
 METHYLHYDRAZINE

**DIMINUTION**

USE REDUCTION

**DIMMING**

RT BRIGHTNESS  
 LIGHT EMISSION  
 ∞ REDUCTION

**DIMPLING**

RT BULGING  
 METAL WORKING  
 STAMPING

**DINING PHILOSOPHERS PROBLEM**

RT DISTRIBUTED PROCESSING  
 INTERPROCESSOR COMMUNICATION  
 PROBLEM SOLVING  
 SYNCHRONISM

**DINITRATES**

GS NITROGEN COMPOUNDS  
 . NITRATES  
 . **DINITRATES**

**DIODE-TRANSISTOR-LOGIC INTEG CIRCUITS**

USE DTL INTEGRATED CIRCUITS

**DIODES**

UF P-I-N DIODES  
 GS ELECTRONIC EQUIPMENT  
 . **DIODES**  
 . . CRYSTAL RECTIFIERS  
 . . PLASMA DIODES  
 . . SEMICONDUCTOR DIODES  
 . . . AVALANCHE DIODES  
 . . . BARRITT DIODES  
 . . . GERMANIUM DIODES  
 . . . GUNN DIODES  
 . . . JUNCTION DIODES  
 . . . LIGHT EMITTING DIODES  
 . . . PARAMETRIC DIODES  
 . . . PHOTODIODES  
 . . . SCHOTTKY DIODES  
 . . . TUNNEL DIODES  
 . . . VARACTOR DIODES  
 . . . THERMIONIC DIODES  
 . . . CESIUM DIODES  
 RT ELECTRON TUBES  
 ION IMPLANTATION  
 P-I-N JUNCTIONS  
 RECTIFIERS  
 SEMICONDUCTOR DEVICES  
 SOLIDIONS  
 TRAPATT DEVICES  
 TRIODES  
 VARACTOR DIODE CIRCUITS

**DIONE**

GS CELESTIAL BODIES  
 . NATURAL SATELLITES  
 . . ICY SATELLITES  
 . . **DIONE**  
 . . SATURN SATELLITES  
 . . **DIONE**  
 RT SATURN (PLANET)

**DIOPHANTINE EQUATION**

GS NUMBER THEORY  
 . **DIOPHANTINE EQUATION**  
 RT ∞ EQUATIONS

**DIORITE**

GS ROCKS  
 . IGNEOUS ROCKS  
 . **DIORITE**  
 RT MINERALS  
 SOILS

**DIOXIDES**

GS CHALCOGENIDES  
 . OXIDES  
 . . **DIOXIDES**  
 . . . CARBON DIOXIDE  
 . . . FLINT  
 . . . HYDROGEN PEROXIDE  
 . . . SILICON DIOXIDE  
 . . . . QUARTZ  
 . . . . COESITE  
 . . . . STISHOVITE  
 . . . SULFUR DIOXIDES  
 RT KARL FISCHER REAGENT  
 PEROXIDES  
 SULFUR OXIDES  
 THORIUM OXIDES

**DIOXIDES-(CONT.)**

TITANIUM OXIDES

**DIPHENYL COMPOUNDS**

GS ORGANIC COMPOUNDS  
 . HYDROCARBONS  
 . **DIPHENYL COMPOUNDS**  
 . . . DIPHENYL HYDANTOIN  
 RT ∞ CHEMICAL COMPOUNDS

**DIPHENYL HYDANTOIN**

GS AMINES  
 . **DIPHENYL HYDANTOIN**  
 DRUGS  
 . ANTIHISTAMINICS  
 . **DIPHENYL HYDANTOIN**  
 ORGANIC COMPOUNDS  
 . HYDROCARBONS  
 . . DIPHENYL COMPOUNDS  
 . . **DIPHENYL HYDANTOIN**

**DIPHOSPHATES**

GS PHOSPHORUS COMPOUNDS  
 . PHOSPHATES  
 . **DIPHOSPHATES**  
 . . ADENOSINE DIPHOSPHATE

**DIPHThERIA**

GS DISEASES  
 . INFECTIOUS DISEASES  
 . . BACTERIAL DISEASES  
 . . **DIPHThERIA**  
 RT TOXIC DISEASES

**DIPLEXERS**

GS ANTENNA COMPONENTS  
 . ANTENNA COUPLERS  
 . **DIPLEXERS**  
 CIRCUITS  
 . **DIPLEXERS**  
 COMMUNICATION EQUIPMENT  
 . **DIPLEXERS**  
 COUPLERS  
 . ANTENNA COUPLERS  
 . **DIPLEXERS**  
 RT COUPLES  
 RADAR ANTENNAS  
 RADAR EQUIPMENT  
 TELEVISION EQUIPMENT  
 TRANSFORMERS

**DIPOLE ANTENNAS**

SN (SINGLE DIPOLE ANTENNAS)  
 GS ANTENNAS  
 . DIRECTIONAL ANTENNAS  
 . . **DIPOLE ANTENNAS**  
 RT ANTENNA ARRAYS  
 ANTENNA DESIGN  
 BACKFIRE ANTENNAS  
 ∞ DIPOLES  
 DIRECTORS (ANTENNA ELEMENTS)  
 LENS ANTENNAS  
 LINEAR ARRAYS  
 LOG PERIODIC ANTENNAS  
 LOG SPIRAL ANTENNAS  
 MONOPOLE ANTENNAS  
 OMNIDIRECTIONAL ANTENNAS  
 RADAR ANTENNAS  
 TURNSTILE ANTENNAS  
 YAGI ANTENNAS

**DIPOLE MOMENTS**

GS MOMENTS  
 . **DIPOLE MOMENTS**  
 . . ELECTRIC MOMENTS  
 . . MAGNETIC MOMENTS  
 RT DOMAINS  
 ELECTRICAL PROPERTIES  
 MAGNETIC DOMAINS  
 MAGNETIC PROPERTIES  
 VAN DER WAAL FORCES

**∞ DIPOLES**

SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)  
 RT DIPOLE ANTENNAS  
 ELECTRIC CHARGE  
 ELECTRIC DIPOLES  
 MAGNETIC DIPOLES  
 MAGNETIC POLES  
 MONOPOLES  
 ORBITING DIPOLES  
 POLARITY  
 ∞ POLES

## DIPPING

### DIPOLES-(CONT.) QUADRUPOLES

#### DIPPING

RT BATHS  
COATINGS  
QUENCHING (COOLING)  
SUBMERGING  
WETTING

#### DIRAC EQUATION

GS WAVE EQUATIONS  
DIRAC EQUATION  
RT EQUATIONS  
FIELD THEORY (PHYSICS)  
KLEIN-GORDON EQUATION  
LORENTZ TRANSFORMATIONS  
QUANTUM THEORY

#### DIRECT BROADCAST SATELLITES

UF DBS (SATELLITES)  
GS ARTIFICIAL SATELLITES  
COMMUNICATION SATELLITES  
DIRECT BROADCAST SATELLITES  
RT BROADCASTING  
DOMESTIC SATELLITE COMMUNICATIONS  
SYSTEMS  
SATELLITE TELEVISION  
SATELLITE TRANSMISSION  
SPACE COMMERCIALIZATION  
SPACE LAW  
TELECOMMUNICATION  
TELEVISION TRANSMISSION

#### DIRECT CURRENT

UF DC (CURRENT)  
GS ELECTRIC CURRENT  
DIRECT CURRENT  
RT ALTERNATING CURRENT  
CURRENT CONVERTERS (AC TO DC)  
HOMOPOLAR GENERATORS  
INVERTED CONVERTERS (DC TO AC)  
VOLTAGE CONVERTERS (DC TO DC)

#### DIRECT LIFT CONTROLS

RT CONTROL  
LIFT DEVICES

#### DIRECT POWER GENERATORS

UF ENERGY CONVERTERS  
GS ELECTRIC GENERATORS  
DIRECT POWER GENERATORS  
ELECTROSTATIC GENERATORS  
FUEL CELLS  
BIOCHEMICAL FUEL CELLS  
HYDROGEN OXYGEN FUEL CELLS  
PHOSPHORIC ACID FUEL CELLS  
REGENERATIVE FUEL CELLS  
MAGNETOHYDRODYNAMIC  
GENERATORS  
PHOTOELECTRIC GENERATORS  
PHOTOVOLTAIC CELLS  
SOLAR CELLS  
VERTICAL JUNCTION SOLAR  
CELLS  
PRIMARY BATTERIES  
ALKALINE BATTERIES  
DRY CELLS  
MAGNESIUM CELLS  
NICKEL ZINC BATTERIES  
METAL AIR BATTERIES  
ZINC-OXYGEN BATTERIES  
SODIUM SULFUR BATTERIES  
THERMAL BATTERIES  
RADIOISOTOPE BATTERIES  
SNAP 7  
SNAP 9A  
SNAP 11  
SNAP 13  
SNAP 15  
SNAP 17  
SNAP 19  
SNAP 21  
SNAP 23  
SNAP 27  
SNAP 29  
THERMIONIC CONVERTERS  
SNAP 13  
SOLAR BLANKETS  
THERMOELECTRIC GENERATORS  
SNAP 3  
SNAP 7  
SNAP 9A  
SNAP 10A  
SNAP 11

### DIRECT POWER GENERATORS-(CONT.)

SNAP 15  
SNAP 17  
SNAP 19  
SNAP 21  
SNAP 23  
SNAP 27  
SNAP 29  
SOLAR SEA POWER PLANTS  
RT AUXILIARY POWER SOURCES  
CONVERTERS  
ELECTRIC BATTERIES  
ELECTRIC CELLS  
ELECTRIC ENERGY STORAGE  
ENERGY ABSORPTION FILMS  
ENERGY CONVERSION  
ENERGY CONVERSION EFFICIENCY  
GENERATORS  
HEAT GENERATION  
PHOTOELECTRIC CELLS  
SOLAR GENERATORS  
SOLAR TOTAL ENERGY SYSTEMS  
SPACECRAFT POWER SUPPLIES

#### ∞ DIRECTION

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)

RT AUTONOMY  
AZIMUTH  
BEARING (DIRECTION)  
DIRECTIVITY  
LINE OF SIGHT  
MANAGEMENT  
REVERSING

#### DIRECTION FINDERS (RADIO)

USE RADIO DIRECTION FINDERS

#### DIRECTION FINDING

RT BEARING (DIRECTION)  
RADIO DIRECTION FINDERS  
SIGNAL PROCESSING

#### DIRECTIONAL ANTENNAS

UF TRACKING ANTENNAS  
GS ANTENNAS  
DIRECTIONAL ANTENNAS  
DIPOLE ANTENNAS  
HELICAL ANTENNAS  
HORN ANTENNAS  
LENS ANTENNAS  
LOG PERIODIC ANTENNAS  
LOOP ANTENNAS  
RADAR ANTENNAS  
RADANT  
REFLECTOR ANTENNAS  
PARABOLIC ANTENNAS  
TWO REFLECTOR ANTENNAS  
RHOMBIC ANTENNAS  
SLOT ANTENNAS  
STEERABLE ANTENNAS  
INERTIALESS STEERABLE  
ANTENNAS  
YAGI ANTENNAS  
RT ANTENNA ARRAYS  
ANTENNA RADIATION PATTERNS  
BACKLOBES  
BORESIGHT ERROR  
BORESIGHTS  
ENDFIRE ARRAYS  
MICROWAVE ANTENNAS  
MICROWAVE COUPLING  
MISSILE ANTENNAS  
MONOPULSE ANTENNAS  
OMNIDIRECTIONAL ANTENNAS  
RADIO ANTENNAS  
SOMMERFELD APPROXIMATION

#### DIRECTIONAL CONTROL

UF VECTOR CONTROL  
GS ATTITUDE CONTROL  
DIRECTIONAL CONTROL  
THRUST VECTOR CONTROL  
RT AIRCRAFT CONTROL  
AUTOMATIC CONTROL  
CONTROL  
HELICOPTER CONTROL  
JET CONTROL  
LATERAL CONTROL  
LONGITUDINAL CONTROL  
MANUAL CONTROL  
MISSILE CONTROL  
REACTION CONTROL  
ROCKET ENGINE CONTROL

### DIRECTIONAL CONTROL-(CONT.)

SATELLITE ATTITUDE CONTROL  
SATELLITE CONTROL  
YAW

#### DIRECTIONAL COUPLERS

GS ANTENNA COMPONENTS  
ANTENNA COUPLERS  
DIRECTIONAL COUPLERS  
COUPLERS  
ANTENNA COUPLERS  
DIRECTIONAL COUPLERS  
RT COUPLING  
COUPLINGS  
IMPEDANCE MATCHING  
MICROSTRIP TRANSMISSION LINES  
MICROWAVE COUPLING  
TRANSMISSION LINES  
YOKES

#### DIRECTIONAL SOLIDIFICATION (CRYSTALS)

GS CRYSTALLIZATION  
DIRECTIONAL SOLIDIFICATION  
(CRYSTALS)  
GROWTH  
CRYSTAL GROWTH  
DIRECTIONAL SOLIDIFICATION  
(CRYSTALS)  
RT CONTAINERLESS MELTS  
EUTECTIC COMPOSITES  
PHASE TRANSFORMATIONS

#### DIRECTIONAL STABILITY

GS DYNAMIC CHARACTERISTICS  
DYNAMIC STABILITY  
MOTION STABILITY  
ATTITUDE STABILITY  
DIRECTIONAL STABILITY  
GYROSCOPIC STABILITY  
STABILITY  
DYNAMIC STABILITY  
MOTION STABILITY  
ATTITUDE STABILITY  
DIRECTIONAL STABILITY  
GYROSCOPIC STABILITY  
RT AERODYNAMIC STABILITY  
AIRCRAFT STABILITY  
CONTROLLABILITY  
FLOW STABILITY  
HORIZONTAL ORIENTATION  
HOVERING STABILITY  
LATERAL OSCILLATION  
LATERAL STABILITY  
LONGITUDINAL STABILITY  
ROTARY STABILITY  
SPACECRAFT STABILITY  
STABILITY AUGMENTATION  
VERTICAL ORIENTATION  
YAW

#### DIRECTIVITY

RT ALIGNMENT  
ANISOTROPY  
COLLIMATION  
CRYSTALLOGRAPHY  
∞ DIRECTION  
FIELD STRENGTH  
INSTRUMENT ORIENTATION  
ISOTROPY  
LOOK ANGLES (ELECTRONICS)  
ORIENTATION

#### DIRECTORIES

RT HANDBOOKS  
MANUALS

#### DIRECTORS (ANTENNA ELEMENTS)

RT DIPOLE ANTENNAS  
RADIO RECEIVERS  
REFLECTOMETERS  
REFLECTORS  
RODS  
YAGI ANTENNAS

#### DIRICHLET PROBLEM

GS BOUNDARY VALUE PROBLEMS  
DIRICHLET PROBLEM  
RT DIFFERENTIAL EQUATIONS  
HYPERBOLIC DIFFERENTIAL EQUATIONS  
PROBLEMS

#### DIRIGIBLES

USE AIRSHIPS

# DISEASES

**DIRT**  
GS SOILS  
RT **DIRT**  
CONTAMINANTS  
DUST  
IMPURITIES  
PARTICLES  
ROCKS

**DISARMAMENT**  
RT ARMED FORCES (FOREIGN)  
ARMED FORCES (UNITED STATES)  
INTERNATIONAL COOPERATION  
WEAPONS

**DISASTERS**  
RT ACCIDENTS  
CASUALTIES  
EMERGENCIES  
FIRST AID  
SABOTAGE

**DISCHARGE**  
SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
RT DETONATION  
DISPERSING  
DISPOSAL  
DRAINAGE  
EFFLUENTS  
EJECTION  
ELECTRIC DISCHARGES  
ELECTRODELESS DISCHARGES  
ELIMINATION  
EMISSION  
EXHAUSTING  
EXPPELLANTS  
EXPLOSIONS  
OUTLETS  
RELEASING  
RELIEVING  
RING DISCHARGE  
UNLOADING  
VENTING

**DISCHARGE COEFFICIENT**  
GS COEFFICIENTS  
FLOW COEFFICIENTS  
DISCHARGE COEFFICIENT  
RT AXIAL FLOW  
FLOW VELOCITY  
INFLUENCE COEFFICIENT  
MASS FLOW FACTORS  
NOZZLE FLOW  
NOZZLE GEOMETRY  
NOZZLE THRUST COEFFICIENTS  
WALL FLOW

**DISCHARGE TUBES**  
USE GAS DISCHARGE TUBES

**DISCHARGERS**  
GS **DISCHARGERS**  
STATIC DISCHARGERS  
RT DISSIPATION  
NEUTRALIZERS

**DISCIPLINING**  
RT LIABILITIES  
MORALE  
PENALTIES

**DISCOLORATION**  
RT COLOR  
DAMAGE  
DEGRADATION  
FADING  
STAINING

**DISCONNECT DEVICES**  
UF DISCONNECTORS  
RT CIRCUIT BREAKERS  
CONNECTORS  
DECOUPLING  
DUMPING  
EJECTION  
ELECTRIC CONNECTORS  
ELECTRIC FUSES  
ELECTRIC RELAYS  
RELAY  
RELEASING

**DISCONNECTORS**  
USE DISCONNECT DEVICES

**DISCONTINUITY**  
GS **DISCONTINUITY**  
SHOCK DISCONTINUITY  
RT ANALYSIS (MATHEMATICS)  
CATASTROPHE THEORY  
GIBBS PHENOMENON  
INCOHERENCE  
VORTEX STREETS

**DISCOS (SATELLITE ATTITUDE CONTROL)**  
RT ATTITUDE STABILITY  
NOVA SATELLITES  
SATELLITE PERTURBATION  
SPACECRAFT STABILITY  
TRANSIT SATELLITES

**DISCOVERER RECOVERY CAPSULES**  
UF DRC (CAPSULE)  
GS SPACE CAPSULES  
DISCOVERER RECOVERY CAPSULES  
RT RECOVERY PARACHUTES  
SPACECRAFT RECOVERY

**DISCOVERER SATELLITES**  
GS ARTIFICIAL SATELLITES  
DISCOVERER SATELLITES  
RT AGENA A ROCKET VEHICLE  
AGENA B ROCKET VEHICLE  
AGENA ROCKET VEHICLES  
THOR AGENA LAUNCH VEHICLE

**DISCOVERING**  
USE EXPLORATION

**DISCOVERY (ORBITER)**  
UF SPACE SHUTTLE ORBITER 103  
GS MANNED SPACECRAFT  
SPACE SHUTTLE ORBITERS  
DISCOVERY (ORBITER)  
REENTRY VEHICLES  
RECOVERABLE SPACECRAFT  
REUSABLE SPACECRAFT  
SPACE SHUTTLE ORBITERS  
DISCOVERY (ORBITER)  
RT MANNED SPACE FLIGHT  
SPACE SHUTTLE MISSION 41-D  
SPACE SHUTTLE MISSION 51-A  
SPACE SHUTTLE MISSION 51-C  
SPACE SHUTTLE MISSION 51-D  
SPACE SHUTTLE MISSION 51-G  
SPACE SHUTTLE MISSION 51-I  
SPACECRAFT

**DISCRETE ADDRESS BEACON SYSTEM**  
GS LANDING AIDS  
AIRPORT BEACONS  
DISCRETE ADDRESS BEACON SYSTEM  
NAVIGATION AIDS  
BEACONS  
AIRPORT BEACONS  
DISCRETE ADDRESS BEACON SYSTEM  
RADAR BEACONS  
DISCRETE ADDRESS BEACON SYSTEM  
RADAR EQUIPMENT  
RADAR BEACONS  
DISCRETE ADDRESS BEACON SYSTEM  
RT AIR TRAFFIC CONTROL  
DATA LINKS  
GROUND-AIR-GROUND COMMUNICATION  
SECONDARY RADAR  
SYSTEMS

**DISCRETE FUNCTIONS**  
GS FUNCTIONS (MATHEMATICS)  
DISCRETE FUNCTIONS  
RT DISTRIBUTION FUNCTIONS  
HISTOGRAMS  
NORMAL DENSITY FUNCTIONS  
POISSON DENSITY FUNCTIONS  
PROBABILITY DENSITY FUNCTIONS  
PROBABILITY DISTRIBUTION FUNCTIONS  
STATISTICAL ANALYSIS

**DISCRIMINANT ANALYSIS (STATISTICS)**  
UF DISCRIMINANT FUNCTIONS  
GS FUNCTIONS (MATHEMATICS)

**DISCRIMINANT ANALYSIS (STATISTICS)-(CONT.)**  
DISCRIMINANT ANALYSIS (STATISTICS)  
STATISTICAL ANALYSIS  
DISCRIMINANT ANALYSIS (STATISTICS)  
RT CLASSIFYING  
MULTIVARIATE STATISTICAL ANALYSIS  
POPULATIONS

**DISCRIMINANT FUNCTIONS**  
USE DISCRIMINANT ANALYSIS (STATISTICS)

**DISCRIMINATION**  
GS **DISCRIMINATION**  
SENSORY DISCRIMINATION  
BRIGHTNESS DISCRIMINATION  
TACTILE DISCRIMINATION  
VISUAL DISCRIMINATION  
RT ACUITY  
COMPARATOR CIRCUITS  
DIFFERENTIATION  
SELECTIVITY  
SIGNAL DETECTION  
SIGNAL DETECTORS  
TARGET RECOGNITION

**DISCRIMINATORS**  
GS CIRCUITS  
DISCRIMINATORS  
FRAUNHOFER LINE DISCRIMINATORS  
FREQUENCY DISCRIMINATORS  
RT ANALOG COMPUTERS  
COMPARATORS  
ERROR SIGNALS  
INTERMODULATION  
RC CIRCUITS

**DISCUSSION**  
SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
RT CONFERENCES  
EVALUATION  
EXAMINATION  
REPORTS  
REVIEWING

**DISEASED VEGETATION**  
USE PLANT DISEASES

**DISEASES**  
SN (RESTRICTED TO DISEASES IN ANIMALS INCLUDING MAN--FOR DISEASES IN PLANTS SEE PLANT DISEASES)  
GS **DISEASES**  
ALBINISM  
ANEMIAS  
ARTERIOSCLEROSIS  
ARTHRITIS  
ATAXIA  
ATELECTASIS  
BONE DEMINERALIZATION  
COLIC  
CYANOSIS  
DIABETES MELLITUS  
ENCEPHALITIS  
EPILEPSY  
EYE DISEASES  
ASTHENIOPIA  
ASTIGMATISM  
CATARACTS  
CONJUNCTIVITIS  
GLAUCOMA  
KERATITIS  
PHORIA  
FAT EMBOLISMS  
FIBROSIS  
CYSTIC FIBROSIS  
HEADACHE  
HEART DISEASES  
ANGINA PECTORIS  
CORONARY ARTERY DISEASE  
INFARCTION  
MYOCARDIAL INFARCTION  
INFECTIOUS DISEASES  
AIRBORNE INFECTION  
BACTERIAL DISEASES  
CHOLERA  
DIPHTHERIA  
SYPHILIS  
TUBERCULOSIS  
TYPHOID  
TYPHUS  
CONJUNCTIVITIS

## DISHES

### DISEASES-(CONT.)

. DERMATITIS  
 . . CONTACT DERMATITIS  
 . FUNGAL DISEASES  
 . HEPATITIS  
 . MENINGITIS  
 . PARASITIC DISEASES  
 . VIRAL DISEASES  
 . . INFLUENZA  
 . . POLIOMYELITIS  
 . . SMALLPOX  
 . KIDNEY DISEASES  
 . NEPHRITIS  
 . LITHIASIS  
 . METABOLIC DISEASES  
 . MILARIA  
 . NARCOLEPSY  
 . NEURASTHENIA  
 . NEURITIS  
 . OCCUPATIONAL DISEASES  
 . OSTEOPOROSIS  
 . PARALYSIS  
 . PARKINSON DISEASE  
 . PULMONARY LESIONS  
 . RADIATION SICKNESS  
 . RESPIRATORY DISEASES  
 . AEROSINUSITIS  
 . ASTHMA  
 . EMPHYSEMA  
 . INFLUENZA  
 . PNEUMONIA  
 . TUBERCULOSIS  
 . RHEUMATIC DISEASES  
 . TACHYCARDIA  
 . THROMBOPENIA  
 . THROMBOSIS  
 . TOOTH DISEASES  
 . TOXIC DISEASES  
 . CARBON MONOXIDE POISONING  
 . LEAD POISONING  
 . TUMORS  
 . . NEOPLASMS  
 . . . CANCER  
 . . . LEUKEMIAS  
 . . . ULCERS  
 . . UROLITHIASIS  
 RT CHRONIC CONDITIONS  
 CREATININE  
 CURES  
 DIAGNOSIS  
 DISORDERS  
 ETIOLOGY  
 MEDICAL SCIENCE  
 PATHOGENESIS  
 PATHOLOGICAL EFFECTS  
 PLANT DISEASES  
 PNEUMOTHORAX  
 PROPHYLAXIS  
 SIGNS AND SYMPTOMS  
 SYMPTOMOLOGY  
 THERAPY  
 VACCINES  
 VETERINARY MEDICINE

### DISHES

USE PARABOLIC REFLECTORS

### DISILICIDES

GS SILICON COMPOUNDS  
 . SILICIDES  
 . . DISILICIDES  
 RT SILANES  
 SILICATES

### DISINFECTANTS

USE ANTISEPTICS

### DISINTEGRATION

RT ATOMIZING  
 COMMINUTION  
 CRUSHERS  
 CRUSHING  
 DAMAGE  
 DECAY  
 DECOMPOSITION  
 DETERIORATION  
 FLAKING  
 GRINDING (COMMINUTION)  
 IONIZATION  
 LYSOGENESIS

### DISK GALAXIES

GS CELESTIAL BODIES  
 . GALAXIES  
 . . DISK GALAXIES

### DISK GALAXIES-(CONT.)

RT ANDROMEDA GALAXY  
 ASTROPHYSICS  
 BARRED GALAXIES  
 ELLIPTICAL GALAXIES  
 GALACTIC CLUSTERS  
 GALACTIC EVOLUTION  
 GALACTIC NUCLEI  
 GALACTIC ROTATION  
 GALACTIC STRUCTURE  
 LOCAL GROUP (ASTRONOMY)  
 RADIO GALAXIES  
 SPIRAL GALAXIES  
 STAR CLUSTERS  
 VIRGO GALACTIC CLUSTER

### DISKS

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT ACTUATOR DISKS  
 DISKS (SHAPES)  
 INTERVERTEBRAL DISKS  
 MAGNETIC DISKS

### DISKS (SHAPES)

GS DISKS (SHAPES)  
 . ACTUATOR DISKS  
 . INTERVERTEBRAL DISKS  
 . ROTATING DISKS  
 RT ACCRETION DISKS  
 AERODYNAMIC CONFIGURATIONS  
 BODIES OF REVOLUTION  
 CIRCULAR PLATES  
 DISKS  
 PLATES  
 VIDEO DISKS

### DISLOCATIONS (MATERIALS)

GS DISLOCATIONS (MATERIALS)  
 . CRYSTAL DISLOCATIONS  
 . . EDGE DISLOCATIONS  
 . . . SCREW DISLOCATIONS  
 RT DISPLACEMENT  
 FLOW THEORY  
 MATERIALS

### DISORDERS

GS DISORIENTATION  
 . DISORDERS  
 RT CHRONIC CONDITIONS  
 DEPERSONALIZATION  
 DEPRESSION  
 DETACHMENT  
 DISEASES  
 DISTURBANCES  
 DITHERS  
 EMOTIONAL FACTORS  
 HUMAN BEHAVIOR  
 JET LAG  
 PSYCHOLOGY  
 PSYCHOSES  
 VIOLENCE

### DISORIENTATION

SN (EXCLUDES PHYSICAL OR  
 MATHEMATICAL MISALIGNMENT)  
 GS DISORIENTATION  
 . DESYNCHRONIZATION (BIOLOGY)  
 . DISORDERS  
 . JET LAG  
 RT BIOLOGICAL EFFECTS  
 CORIOLIS EFFECT  
 DETACHMENT  
 DITHERS  
 IRRATIONALITY  
 MISALIGNMENT  
 PSYCHOLOGICAL EFFECTS  
 PSYCHOLOGY  
 STAGGERING  
 WEIGHTLESSNESS

### DISPATCHING

USE DISTRIBUTING

### DISPENSERS

RT DISTRIBUTORS  
 EJECTORS  
 FEEDERS  
 MATERIALS HANDLING  
 ROLLERS  
 SPRAYERS

### DISPERSING

SN (OF MATERIALS OR PARTICLES)

### DISPERSING-(CONT.)

RT AGITATION  
 ASSIMILATION  
 CHEMICAL RELEASE MODULES  
 CIRCULATION  
 CLOUD DISPERSAL  
 COLLOIDING  
 DEFLECTION  
 DIFFUSION  
 DILUTION  
 DISCHARGE  
 DISPERSION  
 DISPERSIONS  
 DISPOSAL  
 DISSIPATION  
 DISTRIBUTING  
 DISTRIBUTION  
 ENTRAINMENT  
 EXHAUSTING  
 FOG DISPERSAL  
 HOMOGENIZING  
 LANGEVIN FORMULA  
 PERMEATING  
 POLLUTION TRANSPORT  
 REDUCTION  
 RELEASING  
 SCATTERING  
 SEPARATION  
 SHAKING  
 SPRAYING  
 SPREADING  
 STIRRING  
 SUSPENDING (MIXING)  
 SWIRLING

### DISPERSION

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT DEVIATION  
 DIFFUSION  
 DISPERSING  
 DISPERSIONS  
 DUST  
 KRAMERS-KRONIG FORMULA  
 MAGNETIC DISPERSION  
 MIXERS  
 RANDOM ERRORS  
 STATISTICAL ANALYSIS  
 VARIABILITY  
 WAVE DISPERSION

### DISPERSION PRECIPITATION HARDENING

USE PRECIPITATION HARDENING

### DISPERSIONS

GS MIXTURES  
 . DISPERSIONS  
 . . COLLOIDS  
 . . . AEROSOLS  
 . . . . FOG  
 . . . COLLOIDAL PROPELLANTS  
 . . EMULSIONS  
 . . . PHOTOGRAPHIC EMULSIONS  
 . . . NUCLEAR EMULSIONS  
 . . LIQUID-GAS MIXTURES  
 . . . AEROSOLS  
 . . . . FOG  
 . . . PLASTISOLS  
 . . . SMOKE  
 RT BROWNIAN MOVEMENTS  
 COLLOIDAL GENERATORS  
 CROP DUSTING  
 DILUENTS  
 DISPERSING  
 DISPERSION  
 DUST  
 FERROFLUIDS  
 FOG DISPERSAL  
 FUMES  
 MIST  
 PARTICLES  
 PARTICULATES  
 SLURRIES  
 SLURRY PROPELLANTS  
 SUSPENDING (MIXING)  
 SUSPENSIONS

### DISPLACEMENT

RT AMPLITUDES  
 BENDING  
 BIAS  
 BORESIGHT ERROR  
 DEFLECTION  
 DEFORMATION

**DISPLACEMENT-(CONT.)**

DISLOCATIONS (MATERIALS)  
 DISTORTION  
 DIVERGENCE  
 ENGINES  
 FLEXIBLE SPACECRAFT  
 HEAVING  
 LEVEL (QUANTITY)  
 MAGNITUDE  
 ∞ MOTION  
 NUTATION  
 POSITIONING  
 SKEWNESS  
 TEMPERATURE INVERSIONS  
 VARIATIONS  
 VIBRATION

**DISPLACEMENT MEASUREMENT**

SN (MEASUREMENT IN CHANGE OF POSITION)  
 GS MECHANICAL MEASUREMENT  
 . **DISPLACEMENT MEASUREMENT**  
 RT BORESIGHT ERROR

**DISPLAY DEVICES**

UF DATA READOUT SYSTEMS  
 DISPLAY SYSTEMS  
 VISUAL DISPLAYS  
 GS **DISPLAY DEVICES**  
 . APPROACH INDICATORS  
 . FLOW DIRECTION INDICATORS  
 . . WIND VANES  
 . GYRO HORIZONS  
 . HEAD-UP DISPLAYS  
 . HELMET MOUNTED DISPLAYS  
 . KINOFORM  
 . MICROVISION LANDING AID  
 . PLASMA DISPLAY DEVICES  
 . POSITION INDICATORS  
 . . PLAN POSITION INDICATORS  
 . . RADIO DIRECTION FINDERS  
 . . SPACECRAFT POSITION INDICATORS  
 . RADARSCOPES  
 . . PLAN POSITION INDICATORS  
 . SPEED INDICATORS  
 . . TACHOMETERS  
 RT AIRBORNE SURVEILLANCE RADAR  
 AIRCRAFT EQUIPMENT  
 AIRCRAFT INSTRUMENTS  
 AUTOMATIC TYPEWRITERS  
 BLINKING  
 CANCELLATION CIRCUITS  
 CATHODE RAY TUBES  
 CHARTS  
 COMPUTER GRAPHICS  
 CONSOLES  
 CONTROL BOARDS  
 CREW PROCEDURES (INFLIGHT)  
 CREW PROCEDURES (PREFLIGHT)  
 DATA RECORDERS  
 ∞ DETECTORS  
 DIALS  
 ELECTROCHROMISM  
 FLIGHT CONTROL  
 FLIGHT INSTRUMENTS  
 FLYING SPOT SCANNERS  
 IMAGE RECONSTRUCTION  
 IMAGE TUBES  
 IMAGERY  
 IMAGES  
 INDICATING INSTRUMENTS  
 INSTRUMENT LANDING SYSTEMS  
 INSTRUMENT RECEIVERS  
 ∞ INSTRUMENTS  
 LIGHT EMITTING DIODES  
 LISTS  
 MAN MACHINE SYSTEMS  
 MAN-COMPUTER INTERFACE  
 MAP MATCHING GUIDANCE  
 MONITORS  
 NAVIGATION AIDS  
 PERCEPTUAL ERRORS  
 PHOTOGRAPHS  
 PICTURE TUBES  
 PLANETARIUMS  
 ∞ PLOTS  
 PLOTTERS  
 PLOTTING  
 PRINTERS (DATA PROCESSING)  
 PROMOTION  
 RADAR  
 RADAR RESOLUTION  
 RAPID BALLISTICS IDENTIFICATION  
 RASTER SCANNING  
 READING

**DISPLAY DEVICES-(CONT.)**

READOUT  
 REAL TIME OPERATION  
 RECEIVERS  
 REMOTE CONSOLES  
 ∞ SCREENS  
 SOLAR COMPASSES  
 ∞ STRIP  
 ∞ SYSTEMS  
 TARGET SIMULATORS  
 TERCOM  
 VIDEO DATA  
 VIDEO EQUIPMENT  
 VIEWING  
 VISUAL AIDS  
 VISUAL CONTROL  
 WARNING SYSTEMS

**DISPLAY SYSTEMS**

USE DISPLAY DEVICES

**DISPOSAL**

GS **DISPOSAL**  
 . WASTE DISPOSAL  
 . . COMPOSTING  
 . . HAZARDOUS MATERIAL DISPOSAL (IN SPACE)  
 RT AGITATION  
 ∞ CONTAINERS  
 DECONTAMINATION  
 DELETION  
 DILUTION  
 ∞ DISCHARGE  
 DISPERSING  
 DISSIPATION  
 DISTRIBUTING  
 ∞ DISTRIBUTION  
 DUMPING  
 EJECTION  
 ELIMINATION  
 EMPTYING  
 EXHAUSTING  
 EXPULSION  
 ISOLATION  
 JETTISONING  
 MATERIALS HANDLING  
 MATERIALS RECOVERY  
 REMOVAL  
 SINKS  
 SPREADING  
 ∞ STORAGE  
 UNLOADING

**DISRUPTING**

RT ∞ INTERFERENCE  
 RUPTURING

**DISSECTION**

RT AUTOPSIES  
 PATHOLOGY

**DISSIPATION**

UF DISSIPATORS  
 GS **DISSIPATION**  
 . ENERGY DISSIPATION  
 . OHMIC DISSIPATION  
 RT ATMOSPHERIC TURBULENCE  
 ATTENUATION  
 DAMPING  
 DECONTAMINATION  
 DEPLETION  
 DIFFUSION  
 DILUTION  
 DISCHARGERS  
 DISPERSING  
 DISPOSAL  
 EXHAUSTING  
 POLLUTION  
 PURIFICATION  
 ∞ REDUCTION  
 REMOVAL  
 WASTE DISPOSAL

**DISSIPATORS**

USE DISSIPATION

**DISSOCIATION**

UF MOLECULAR DISSOCIATION  
 GS **DISSOCIATION**  
 . AUTOIONIZATION  
 . BIODEGRADABILITY  
 . GAS DISSOCIATION  
 . PHOTODISSOCIATION  
 . RADIOLYSIS  
 . THERMAL DISSOCIATION

**DISTANCE MEASURING EQUIPMENT****DISSOCIATION-(CONT.)**

RT ATOMIC RECOMBINATION  
 CHEMICAL EQUILIBRIUM  
 DEBYE-HUCKEL THEORY  
 DECOMPOSITION  
 ELECTRODISSOLUTION  
 HEAT OF DISSOCIATION  
 IONIZATION  
 MOLECULAR DIFFUSION  
 MOLECULAR INTERACTIONS

**DISSOLUTION**

USE DISSOLVING

**DISSOLVED GASES**

GS GASES  
 . **DISSOLVED GASES**  
 RT AERATION  
 DISSOLVING  
 MIXTURES  
 OXYGENATION  
 SOLUBILITY  
 SOLUTIONS

**DISSOLVING**

UF DISSOLUTION  
 GS MIXING  
 . **DISSOLVING**  
 RT AERATION  
 CHEMICAL ATTACK  
 CHEMICAL CLEANING  
 CLEANING  
 COMPOUNDING  
 CORROSION  
 DIFFUSION  
 DILUTION  
 DISSOLVED GASES  
 EXTRACTION  
 HOMOGENIZING  
 LEACHING  
 PRECIPITATION (CHEMISTRY)  
 ∞ SEPARATION  
 SOFTENING  
 SOLUBILITY  
 SOLUTES  
 ∞ SOLUTION  
 SOLVENT RETENTION  
 SOLVENTS  
 WASHING

**DISSYMMETRY**

USE ASYMMETRY

**DISTANCE**

GS **DISTANCE**  
 . DEBYE LENGTH  
 . DIFFUSION LENGTH  
 . MISS DISTANCE  
 . OPTICAL SLANT RANGE  
 . RADAR RANGE  
 . RADIO RANGE  
 . RANGE AND RANGE RATE TRACKING  
 . REENTRY RANGE  
 RT AIRCRAFT PERFORMANCE  
 AIRCRAFT SPECIFICATIONS  
 ALTITUDE  
 DEPTH  
 DIMENSIONS  
 FOCUSING  
 GEOMETRY  
 HEIGHT  
 LENGTH  
 POSITION (LOCATION)  
 PROXIMITY  
 RADAR NAVIGATION  
 ∞ RANGE  
 RANGE (EXTREMES)  
 TAKEOFF RUNS  
 ∞ TRAVEL

**DISTANCE MEASURING EQUIPMENT**

GS MEASURING INSTRUMENTS  
 . **DISTANCE MEASURING EQUIPMENT**  
 . . ALTIMETERS  
 . . . LASER ALTIMETERS  
 . . . RADIO ALTIMETERS  
 . . GEODIMETERS  
 . . RANGE FINDERS  
 . . . OPTICAL RANGE FINDERS  
 . . . LASER RANGE FINDERS  
 . . STADIMETERS  
 . . TELLUROMETERS  
 RT AUTOMATIC FLIGHT CONTROL  
 AUTOMATIC LANDING CONTROL  
 DECCA NAVIGATION



## DISTANCE PERCEPTION

### DISTANCE MEASURING EQUIPMENT-(CONT.)

DEPTH MEASUREMENT  
DIMENSIONAL MEASUREMENT  
LORAC NAVIGATION SYSTEM  
LORAN  
LUNAR RANGEFINDING  
MICROMETERS  
NAVIGATION  
NAVIGATION AIDS  
OMNIDIRECTIONAL RADIO RANGES  
POSITION INDICATORS  
RADAR  
RADAR EQUIPMENT  
RADAR MEASUREMENT  
RADAR NAVIGATION  
RADIO NAVIGATION  
RANGE ERRORS  
SHORAN  
SOLAR COMPASSES  
SONAR  
SOUND RANGING

### DISTANCE PERCEPTION

USE SPACE PERCEPTION

### DISTILLATION

GS **DISTILLATION**  
STRIPPING (DISTILLATION)  
RT **CHEMICAL FRACTIONATION**  
CONCENTRATING  
CONDENSING  
DEMINERALIZING  
DESALINIZATION  
DIFFUSION  
EVAPORATION  
FLASHING (VAPORIZING)  
MATERIALS RECOVERY  
PURGING  
PURIFICATION  
RECTIFICATION  
REFINING  
∞ SEPARATION  
TAR SANDS  
VAPORIZING  
WASHING

### DISTILLATION EQUIPMENT

RT COLUMNS (PROCESS ENGINEERING)  
CONDENSERS (LIQUEFIERS)  
∞ EQUIPMENT  
STILLS

### DISTORTION

GS **DISTORTION**  
FLOW DISTORTION  
SIGNAL DISTORTION  
SURFACE DISTORTION  
RT **ABERRATION**  
ABNORMALITIES  
ASTIGMATISM  
ASYMMETRY  
BENDING  
BUCKLING  
CAMBER  
DEFLECTION  
DEFORMATION  
DEVIATION  
DISPLACEMENT  
EXPANSION  
FAILURE  
FLEXING  
FOLDING  
GEOMETRIC ACCURACY  
GHOSTS  
HEAVING  
REFRACTION  
SKEWNESS  
STRETCHING  
SWELLING  
TEMPERATURE INVERSIONS  
TWISTING  
VARIATIONS  
WARPAGE  
WRINKLING

### DISTRIBUTED AMPLIFIERS

GS AMPLIFIERS  
∞ **DISTRIBUTED AMPLIFIERS**  
RT FREQUENCY RESPONSE  
TRANSMISSION LINES

### DISTRIBUTED FEEDBACK LASERS

GS STIMULATED EMISSION DEVICES  
LASERS  
∞ **DISTRIBUTED FEEDBACK LASERS**

### DISTRIBUTED FEEDBACK LASERS-(CONT.)

RT FEEDBACK AMPLIFIERS  
FEEDBACK CONTROL  
HETEROJUNCTION DEVICES  
LASER OUTPUTS  
LASING  
SEMICONDUCTOR LASERS  
SOLID STATE LASERS

### DISTRIBUTED PARAMETER SYSTEMS

RT CONTROL THEORY  
DIFFERENTIAL EQUATIONS  
INDEPENDENT VARIABLES  
INTEGRAL EQUATIONS  
LINEAR CIRCUITS  
LINEAR SYSTEMS  
NETWORK ANALYSIS  
NONLINEAR SYSTEMS  
∞ SYSTEMS

### DISTRIBUTED PROCESSING

GS DATA PROCESSING  
∞ **DISTRIBUTED PROCESSING**  
RT ARCHITECTURE (COMPUTERS)  
COMPUTER NETWORKS  
COMPUTER SYSTEMS DESIGN  
DINING PHILOSOPHERS PROBLEM  
MICROPROCESSORS

### DISTRIBUTING

UF DISPATCHING  
RT ALLOCATIONS  
ASSIMILATION  
COMMERCIAL ENERGY  
DISPERSING  
DISPOSAL  
∞ DISTRIBUTION  
DOMESTIC ENERGY  
∞ FOOD  
INDUSTRIAL ENERGY  
INVENTORY CONTROLS  
MATERIALS HANDLING  
POSITIONING  
PROPORTION  
RESOURCE ALLOCATION  
TRANSPORTATION  
TRANSPORTATION ENERGY

### ∞ DISTRIBUTION

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT ALLOCATIONS  
ASSIMILATION  
BRIGHTNESS DISTRIBUTION  
CIRCULATION DISTRIBUTION  
DEMOGRAPHY  
DISPERSING  
DISPOSAL  
DISTRIBUTING  
DISTRIBUTION (PROPERTY)  
KURTOSIS  
LOAD DISTRIBUTION (FORCES)  
MASS DISTRIBUTION  
MATERIALS HANDLING  
POSITIONING  
PRESSURE DISTRIBUTION  
SPECTRAL ENERGY DISTRIBUTION  
STATISTICAL DISTRIBUTIONS  
THRUST DISTRIBUTION  
TRANSPORTATION

### DISTRIBUTION (PROPERTY)

UF PATTERN DISTRIBUTION  
GS **DISTRIBUTION (PROPERTY)**  
ANGULAR DISTRIBUTION  
BOLTZMANN DISTRIBUTION  
BRIGHTNESS DISTRIBUTION  
CHARGE DISTRIBUTION  
CURRENT DISTRIBUTION  
ELECTRON DISTRIBUTION  
ELECTRON DENSITY PROFILES  
ENERGY DISTRIBUTION  
SPECTRAL ENERGY DISTRIBUTION  
FLOW DISTRIBUTION  
FORCE DISTRIBUTION  
FREQUENCY DISTRIBUTION  
KURTOSIS  
HOLE DISTRIBUTION (ELECTRONICS)  
HOLE DISTRIBUTION (MECHANICS)  
INTERFERENCE LIFT  
ION DISTRIBUTION  
LOAD DISTRIBUTION (FORCES)  
MASS DISTRIBUTION  
MOMENT DISTRIBUTION

### DISTRIBUTION (PROPERTY)-(CONT.)

NEUTRON DISTRIBUTION  
PRESSURE DISTRIBUTION  
RADIAL DISTRIBUTION  
RADIATION DISTRIBUTION  
ANTENNA RADIATION PATTERNS  
SIDELOBES  
DIFFRACTION PATTERNS  
KOSSEL PATTERN  
RAINBOWS  
SPATIAL DISTRIBUTION  
STAR DISTRIBUTION  
STRAIN DISTRIBUTION  
STRESS DISTRIBUTION  
STRESS CONCENTRATION  
TEMPERATURE DISTRIBUTION  
VELOCITY DISTRIBUTION  
VERTICAL DISTRIBUTION  
STAR DISTRIBUTION  
RT **CHEMICAL COMPOSITION**  
∞ CROSS SECTIONS  
∞ DISTRIBUTION  
DYNAMIC CHARACTERISTICS  
FIELD THEORY (PHYSICS)  
GRADIENTS  
JET LIFT  
LIFT  
∞ PATTERNS  
∞ PROFILES  
ROTOR LIFT  
STATISTICAL DISTRIBUTIONS  
SYNTHETIC ARRAYS  
ZERO LIFT

### DISTRIBUTION FUNCTIONS

GS FUNCTIONS (MATHEMATICS)  
∞ **DISTRIBUTION FUNCTIONS**  
RT CHAPMAN-ENSKOG THEORY  
DISCRETE FUNCTIONS  
MAXIMUM ENTROPY METHOD  
PROBABILITY THEORY  
STATISTICAL DISTRIBUTIONS

### DISTRIBUTION MOMENTS

UF STATISTICAL MOMENTS  
GS MOMENTS  
∞ **DISTRIBUTION MOMENTS**  
MEAN  
ORTHOGONALITY  
STANDARD DEVIATION  
RT AVERAGE  
MEDIAN (STATISTICS)  
METHOD OF MOMENTS  
MODE (STATISTICS)  
SKEWNESS  
STATISTICAL DISTRIBUTIONS  
VARIANCE (STATISTICS)

### DISTRIBUTORS

RT COMMUTATORS  
DISPENSERS  
FEEDERS  
IGNITION SYSTEMS  
INTERNAL COMBUSTION ENGINES  
MATERIALS HANDLING  
ROLLERS  
SPRAYERS

### DISTRICT OF COLUMBIA

RT POTOMAC RIVER VALLEY (MD-VA-WV)  
UNITED STATES

### DISTURBANCE THEORY

USE PERTURBATION THEORY

### ∞ DISTURBANCES

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT BURSTS  
DISORDERS  
ELECTROMAGNETIC INTERFERENCE  
IONOSPHERIC DISTURBANCES  
IONOSPHERIC STORMS  
MAGNETIC DISTURBANCES  
PERTURBATION  
RADIO AURORAS  
RADIO BURSTS  
SOLAR ACTIVITY  
STORMS  
SUDDEN IONOSPHERIC DISTURBANCES  
VORTICES

### DISTURBING FUNCTIONS

GS FUNCTIONS (MATHEMATICS)

## DOCUMENTATION

### DISTURBING FUNCTIONS-(CONT.)

**DISTURBING FUNCTIONS**  
RT PERTURBATION THEORY

### DISULFIDES

GS CHALCOGENIDES  
. SULFIDES  
. . . **DISULFIDES**  
. . . CARBON DISULFIDE  
SULFUR COMPOUNDS  
. SULFIDES  
. . . **DISULFIDES**  
. . . CARBON DISULFIDE

### DITCHES

RT CANALS  
IRRIGATION  
LANDFORMS  
TROUGHES

### ∞ DITCHING

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT DITCHING (LANDING)  
EXCAVATION

### DITCHING (EXCAVATION)

USE EXCAVATION

### DITCHING (LANDING)

GS CRASHES  
. CRASH LANDING  
. . . **DITCHING (LANDING)**  
LANDING  
. AIRCRAFT LANDING  
. . CRASH LANDING  
. . . **DITCHING (LANDING)**  
. WATER LANDING  
. . . **DITCHING (LANDING)**  
RT AIRCRAFT ACCIDENTS  
∞ DITCHING  
GLIDE LANDINGS

### DITHERS

GS SHAKING  
. **DITHERS**  
SHIVERING  
. **DITHERS**  
RT DISORDERS  
DISORIENTATION  
EMOTIONAL FACTORS  
HUMAN BEHAVIOR  
∞ INHIBITION  
IRRATIONALITY  
VACILLATION

### DITHIOLS

USE THIOLS

### DIURESIS

RT BODY FLUIDS  
EDEMA  
URINATION

### DIURETICS

GS **DIURETICS**  
. AMINOPHYLLINE  
RT ACETAZOLAMIDE  
UREAS

### DIURNAL RHYTHMS

USE CIRCADIAN RHYTHMS

### DIURNAL VARIATIONS

GS VARIATIONS  
. PERIODIC VARIATIONS  
. . . **DIURNAL VARIATIONS**  
RT CYCLES  
DARKNESS  
DAYTIME  
MAGNETIC VARIATIONS  
NIGHT  
NOCTURNAL VARIATIONS  
TROPopause  
WIND VARIATIONS

### DIVERGENCE

GS **DIVERGENCE**  
. MAGNETIC CHARGE DENSITY  
RT CATASTROPHE THEORY  
CONVERGENCE  
DEVIATION  
DIFFERENCES

### DIVERGENCE-(CONT.)

DISPLACEMENT  
∞ DRIFT  
FOURIER ANALYSIS  
FUNCTIONS (MATHEMATICS)  
GEOSTROPHIC WIND  
REFRACTION  
SERIES (MATHEMATICS)  
SERIES EXPANSION  
VARIATIONS  
VORTICES

### DIVERGENT NOZZLES

RT CONICAL NOZZLES  
EXHAUST NOZZLES  
NOZZLE GEOMETRY  
NOZZLE WALLS  
∞ NOZZLES  
ROCKET NOZZLES  
THRUST CHAMBERS  
WIND TUNNEL NOZZLES

### DIVERTERS

RT BAFFLES  
BLAST DEFLECTORS  
BYPASSES  
DEFLECTORS  
∞ DIFFUSERS  
DIVIDERS  
FLAME DEFLECTORS  
∞ SEPARATION  
SEPARATORS  
SHIELDING  
VALVES

### DIVIDERS

SN *(EXCLUDES VOLTAGE AND FREQUENCY)*  
DIVIDERS  
GS SEPARATORS  
. **DIVIDERS**  
RT BAFFLES  
∞ BARRIERS  
CURTAINS  
DIVERTERS  
PANELS  
SPACERS

### DIVIDES (LANDFORMS)

GS LANDFORMS  
. **DIVIDES (LANDFORMS)**  
RT DRAINAGE PATTERNS  
MOUNTAINS  
WATERSHEDS

### DIVIDING (MATHEMATICS)

GS NUMBER THEORY  
. **DIVIDING (MATHEMATICS)**  
RT ARITHMETIC  
COMPUTATION  
CONGRUENCES  
∞ DIVISION  
QUOTIENTS

### DIVING (UNDERWATER)

GS SUBMERGED BODIES  
. **DIVING (UNDERWATER)**  
RT BAROTRAUMA  
DECOMPRESSION SICKNESS  
HUMAN TOLERANCES  
MEDICAL PHENOMENA  
PHYSIOLOGICAL EFFECTS  
UNDERWATER PHYSIOLOGY  
UNDERWATER TESTS

### ∞ DIVISION

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT CELL DIVISION  
DIVIDING (MATHEMATICS)  
NUMBER THEORY  
∞ SEPARATION  
SUBDIVISIONS  
SUBSIDIARIES

### DIVOT (VOICE TRANSLATORS)

USE DIGITAL TO VOICE TRANSLATORS

### DME-A SATELLITE

USE EXPLORER 31 SATELLITE

### DMSP SATELLITES

UF DEFENSE METEOROLOGICAL SATELLITE  
PROGRAM

### DMSP SATELLITES-(CONT.)

GS ARTIFICIAL SATELLITES  
. METEOROLOGICAL SATELLITES  
. . . **DMSP SATELLITES**  
MILITARY SPACECRAFT  
. **DMSP SATELLITES**  
RT AIR DEFENSE  
∞ DEFENSE  
DEFENSE PROGRAM  
METEOROLOGY  
PHOTOMAPPING  
PHOTORECONNAISSANCE  
REMOTE SENSING  
SATELLITE-BORNE PHOTOGRAPHY

### DNA

USE DEOXYRIBONUCLEIC ACID

### DO-27 AIRCRAFT

UF DORNIER DO-27 AIRCRAFT  
GS DORNIER AIRCRAFT  
. **DO-27 AIRCRAFT**  
GENERAL AVIATION AIRCRAFT  
. **DO-27 AIRCRAFT**  
LIGHT AIRCRAFT  
. **DO-27 AIRCRAFT**  
MONOPLANES  
. **DO-27 AIRCRAFT**  
PASSENGER AIRCRAFT  
. **DO-27 AIRCRAFT**  
UTILITY AIRCRAFT  
. **DO-27 AIRCRAFT**  
RT ∞ AIRCRAFT

### DO-28 AIRCRAFT

UF DORNIER DO-28 AIRCRAFT  
GS DORNIER AIRCRAFT  
. **DO-28 AIRCRAFT**  
GENERAL AVIATION AIRCRAFT  
. **DO-28 AIRCRAFT**  
LIGHT AIRCRAFT  
. **DO-28 AIRCRAFT**  
MONOPLANES  
. **DO-28 AIRCRAFT**  
PASSENGER AIRCRAFT  
. **DO-28 AIRCRAFT**  
UTILITY AIRCRAFT  
. **DO-28 AIRCRAFT**  
RT ∞ AIRCRAFT

### DO-31 AIRCRAFT

UF DORNIER DO-31 AIRCRAFT  
GS DORNIER AIRCRAFT  
. **DO-31 AIRCRAFT**  
JET AIRCRAFT  
. TURBOFAN AIRCRAFT  
. . . **DO-31 AIRCRAFT**  
MONOPLANES  
. **DO-31 AIRCRAFT**  
TRANSPORT AIRCRAFT  
. **DO-31 AIRCRAFT**  
V/STOL AIRCRAFT  
. **DO-31 AIRCRAFT**  
RT ∞ AIRCRAFT

### DOCKING

USE SPACECRAFT DOCKING

### DOCUMENT STORAGE

RT DATA STORAGE  
DOCUMENTATION  
∞ FILES  
REPRODUCTION (COPYING)  
∞ STORAGE

### DOCUMENTATION

SN *(LIMITED TO WRITTEN MATERIAL THAT  
ACCOMPANIES, EXPLAINS, SPECIFIES OR  
DESCRIBES EQUIPMENT OR SYSTEMS)*  
GS LITERATURE  
. **DOCUMENTATION**  
RT ACQUISITION  
BIBLIOGRAPHIES  
BIOGRAPHY  
CASE HISTORIES  
CATALOGS (PUBLICATIONS)  
CONFERENCES  
DATA RETRIEVAL  
DOCUMENT STORAGE  
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INFORMATION DISSEMINATION  
INFORMATION RETRIEVAL

## DOCUMENTS

### DOCUMENTATION-(CONT.)

KNOWLEDGE  
LIBRARIES  
NEWS  
RECORDS  
∞ REFERENCE SYSTEMS  
REPORTS  
SELECTIVE DISSEMINATION OF  
INFORMATION  
SPACE GLOSSARIES  
SUMMARIES  
TECHNICAL WRITING  
TECHNOLOGY TRANSFER  
TRANSLATING

### DOCUMENTS

UF PUBLICATIONS  
GS **DOCUMENTS**  
. ABSTRACTS  
. BIBLIOGRAPHIES  
. CATALOGS (PUBLICATIONS)  
. ASTRONOMICAL CATALOGS  
. ENGINEERING DRAWINGS  
. BLUEPRINTS  
. HANDBOOKS  
. USER MANUALS (COMPUTER  
PROGRAMS)  
. MANUALS  
. INSTALLATION MANUALS  
. USER MANUALS (COMPUTER  
PROGRAMS)  
. PAPERS  
. PERIODICALS  
. POSTLAUNCH REPORTS  
. PRESIDENTIAL REPORTS  
. RECORDS  
. VIDEO DISKS  
. SUPPLEMENTS  
. TEXTBOOKS  
. TEXTS  
. THESES  
RT CONFERENCES  
CONGRESSIONAL REPORTS  
COPYRIGHTS  
DICTIONARIES  
DOCUMENTATION  
DRAWINGS  
FORMAT  
HARDWARE UTILIZATION LISTS  
INDEXES (DOCUMENTATION)  
INFORMATION RETRIEVAL  
LIBRARIES  
LITERATURE  
REPORTS  
TECHNOLOGY TRANSFER

### DODGE SATELLITE

GS ARTIFICIAL SATELLITES  
. **DODGE SATELLITE**

### DOGHOUSES (ELECTRONICS)

GS HOUSINGS  
. **DOGHOUSES (ELECTRONICS)**  
RADAR EQUIPMENT  
RT **DOGHOUSES (ELECTRONICS)**  
ENCLOSURES  
RADAR ANTENNAS

### DOGS

GS ANIMALS  
. VERTEBRATES  
. MAMMALS  
. **DOGS**

### DOLLIES

GS SURFACE VEHICLES  
. **DOLLIES**  
RT CARRIAGES  
MATERIALS HANDLING  
SLEDS  
TRUCKS  
UNDERCARRIAGES

### DOLOMITE (MINERAL)

GS CARBON COMPOUNDS  
. CARBONATES  
. **DOLOMITE (MINERAL)**  
MAGNESIUM COMPOUNDS  
. **DOLOMITE (MINERAL)**  
MINERALS  
. **DOLOMITE (MINERAL)**  
RT AGGREGATES  
LIMESTONE  
ROCKS  
SEDIMENTARY ROCKS

### DOLPHINS

GS ANIMALS  
. VERTEBRATES  
. MAMMALS  
. MARINE MAMMALS  
. **DOLPHINS**

### DOMAIN WALL

RT DOMAINS  
MAGNETIC DOMAINS  
∞ MOTION

### DOMAINS

GS **DOMAINS**  
. MAGNETIC DOMAINS  
RT DIPOLE MOMENTS  
DOMAIN WALL  
ELECTRICAL PROPERTIES  
RANGE (EXTREMES)

### ∞ DOMES

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT DOMES (GEOLOGY)  
DOMES (STRUCTURAL FORMS)

### DOMES (GEOLOGY)

RT ANTICLINES  
∞ DOMES  
GEOLOGY  
GEOSYNCLINES  
SYNCLINES

### DOMES (STRUCTURAL FORMS)

GS SHELLS (STRUCTURAL FORMS)  
. **DOMES (STRUCTURAL FORMS)**  
. RADOMES  
RT ∞ CUPOLAS  
∞ DOMES  
HEMISPHERICAL SHELLS  
HOUSINGS  
PRESSURE VESSELS  
PROTUBERANCES

### DOMESTIC ENERGY

RT ALLOCATIONS  
COMMERCIAL ENERGY  
DISTRIBUTING  
ECONOMIC FACTORS  
∞ ENERGY  
ENERGY CONSUMPTION  
ENERGY CONVERSION  
INDUSTRIAL ENERGY  
SOLAR COOLING  
SOLAR HOUSES  
TRANSPORTATION ENERGY  
WATER HEATING

### DOMESTIC SATELLITE COMMUNICATIONS SYSTEMS

RT COMMUNICATION SATELLITES  
DIRECT BROADCAST SATELLITES  
MICROWAVE TRANSMISSION  
RCA SATCOM SATELLITES  
SATELLITE NETWORKS  
SATELLITE TRANSMISSION  
∞ SYSTEMS

### DOMINANCE

GS **DOMINANCE**  
. EYE DOMINANCE  
RT GENETICS

### DOMINICA

GS LANDFORMS  
. ISLANDS  
. WEST INDIES  
. **DOMINICA**  
NATIONS  
. **DOMINICA**

### DOMINICAN REPUBLIC

GS NATIONS  
. **DOMINICAN REPUBLIC**  
RT CARIBBEAN REGION  
CARIBBEAN SEA

### DOMINO PROPELLANTS

GS PROPELLANTS  
. HIGH ENERGY PROPELLANTS  
. **DOMINO PROPELLANTS**  
RT PLASTICIZERS  
ROCKET OXIDIZERS

### DOMINO PROPELLANTS-(CONT.)

SOLID ROCKET PROPELLANTS

### DONNELL EQUATIONS

RT BUCKLING  
∞ EQUATIONS  
STRESS ANALYSIS

### DONOR MATERIALS

GS SEMICONDUCTORS (MATERIALS)  
. **DONOR MATERIALS**  
RT CARRIER DENSITY (SOLID STATE)  
ELECTRONS  
HOLES (ELECTRON DEFICIENCIES)  
∞ MATERIALS  
MODULATION DOPING

### DOORS

UF EXITS (DOORS)  
RT AIR LOCKS  
APERTURES  
CURTAINS  
EGRESS  
ENTRANCES  
FLOORS  
GATES (OPENINGS)  
HATCHES  
INGRESS (SPACECRAFT PASSAGEWAY)  
OPENINGS  
OUTLETS  
∞ THRESHOLDS  
WINDOWS (APERTURES)

### DOPA

UF DIHYDROXYPHENYLALANINE  
GS ACIDS  
. AMINO ACIDS  
. **DOPA**  
ORGANIC COMPOUNDS  
. AMINO ACIDS  
. **DOPA**  
RT ∞ CHEMICAL COMPOUNDS  
MELANIN  
OXIDATION  
PIGMENTS

### DOPED CRYSTALS

GS CRYSTALS  
. **DOPED CRYSTALS**  
RT CRYSTAL GROWTH  
CRYSTAL OPTICS  
CRYSTAL STRUCTURE  
MODFETS  
MODULATION DOPING

### DOPES

RT ADDITIVES  
FILLERS  
FINISHES  
GELS  
PRIMERS (COATINGS)  
SEALERS

### DOPING (ADDITIVES)

USE ADDITIVES

### DOPPLER EFFECT

UF DOVAP  
STELLAR DOPPLER SHIFT  
GS **DOPPLER EFFECT**  
. DOPPLER-FIZEAU EFFECT  
RT ∞ EFFECTS  
ELASTIC WAVES  
ELECTROMAGNETIC RADIATION  
FIZEAU EFFECT  
FREQUENCY SHIFT  
OPTICAL HETERODYNING  
RADIAL VELOCITY  
RED SHIFT  
SATELLITE DOPPLER POSITIONING  
STELLAR MOTIONS

### DOPPLER NAVIGATION

GS NAVIGATION  
. **DOPPLER NAVIGATION**  
RT AIR NAVIGATION  
ALL-WEATHER AIR NAVIGATION  
DEAD RECKONING  
RADAR NAVIGATION  
RADIO NAVIGATION  
SATELLITE DOPPLER POSITIONING

### DOPPLER RADAR

GS RADAR

**DOPPLER RADAR-(CONT.)**

. **DOPPLER RADAR**  
 . . MULTISTATIC RADAR  
 RT COHERENT RADAR  
 CONTINUOUS WAVE RADAR  
 MONOPULSE RADAR  
 MOVING TARGET INDICATORS  
 POLYSTATION DOPPLER TRACKING  
 SYSTEM  
 PULSE RADAR  
 RADAR DETECTION  
 RADAR EQUIPMENT  
 RADAR NAVIGATION  
 RADAR NETWORKS  
 RADAR TRACKING  
 SATELLITE DOPPLER POSITIONING  
 SURVEILLANCE RADAR

**DOPPLER-FIZEAU EFFECT**

GS DOPPLER EFFECT  
 . **DOPPLER-FIZEAU EFFECT**  
 RT  $\infty$  EFFECTS  
 FIZEAU EFFECT  
 FREQUENCY SHIFT  
 RADAR NAVIGATION  
 RED SHIFT  
 STELLAR MOTIONS

**DORNIER AIRCRAFT**

GS **DORNIER AIRCRAFT**  
 . DO-27 AIRCRAFT  
 . DO-28 AIRCRAFT  
 . DO-31 AIRCRAFT  
 RT  $\infty$  AIRCRAFT

**DORNIER DO-27 AIRCRAFT**

USE DO-27 AIRCRAFT

**DORNIER DO-28 AIRCRAFT**

USE DO-28 AIRCRAFT

**DORNIER DO-31 AIRCRAFT**

USE DO-31 AIRCRAFT

**DORNIER PARAGLIDER ROCKET VEHICLE**

GS ROCKET VEHICLES  
 . SINGLE STAGE ROCKET VEHICLES  
 . **DORNIER PARAGLIDER ROCKET VEHICLE**  
 . SOUNDING ROCKETS  
 . **DORNIER PARAGLIDER ROCKET VEHICLE**  
 RT LIQUID PROPELLANT ROCKET ENGINES

**DORSAL SECTIONS**

RT ANATOMY  
 POSTERIOR SECTIONS

**DOSAGE**

UF DOSE  
 GS **DOSAGE**  
 . RADIATION DOSAGE  
 . SUBLETHAL DOSAGE  
 RT BIOLOGICAL EFFECTS  
 DOSIMETERS  
 DRUGS  
 RADIATION MEASUREMENT

**DOSE**

USE DOSAGE

**DOSIMETERS**

UF DOSIMETRY  
 GS MEASURING INSTRUMENTS  
 . RADIATION MEASURING INSTRUMENTS  
 . . RADIATION DETECTORS  
 . . **DOSIMETERS**  
 . . . THRESHOLD DETECTORS  
 . . . (DOSIMETERS)  
 RT ACTINOMETERS  
 DOSAGE  
 EXPOSURE  
 FLUX (RATE)  
 FLUX DENSITY  
 GEIGER COUNTERS  
 IONIZATION CHAMBERS  
 IRRADIATION  
 NEUTRON COUNTERS  
 NUCLEAR EMULSIONS  
 PHOTOGRAPHIC MEASUREMENT  
 PROPORTIONAL COUNTERS  
 RADIANT FLUX DENSITY  
 RADIATION COUNTERS  
 RADIATION DOSAGE

**DOSIMETERS-(CONT.)**

RADIATION EFFECTS  
 RADIATION HAZARDS  
 RADIATION MEASUREMENT  
 RADIOBIOLOGY

**DOSIMETRY**

USE DOSIMETERS

**DOUBLE BASE PROPELLANTS**

UF CORDITE  
 GS PROPELLANTS  
 . **DOUBLE BASE PROPELLANTS**  
 . . DOUBLE BASE ROCKET  
 . . PROPELLANTS  
 RT CELLULOSE NITRATE  
 COMPOSITE PROPELLANTS  
 ENDOTHERMIC FUELS  
 EXPLOSIVES  
 NITROGLYCERIN  
 PLASTISOLS  
 PYROTECHNICS

**DOUBLE BASE ROCKET PROPELLANTS**

GS GELS  
 . **DOUBLE BASE ROCKET PROPELLANTS**  
 . PROPELLANTS  
 . . DOUBLE BASE PROPELLANTS  
 . . **DOUBLE BASE ROCKET PROPELLANTS**  
 . . . ROCKET PROPELLANTS  
 . . . SOLID ROCKET PROPELLANTS  
 . . . **DOUBLE BASE ROCKET PROPELLANTS**  
 . . . . SOLID PROPELLANTS  
 . . . . SOLID ROCKET PROPELLANTS  
 . . . . **DOUBLE BASE ROCKET PROPELLANTS**  
 RT CELLULOSE NITRATE  
 COMPOSITE PROPELLANTS  
 EXPLOSIVES  
 NITROGLYCERIN

**DOUBLE CUSPS**

UF OSCULATIONS  
 GS GEOMETRY  
 . CUSPS (MATHEMATICS)  
 . **DOUBLE CUSPS**  
 RT  $\infty$  CUSPS

**DOUBLE PRECISION ARITHMETIC**

GS NUMBER THEORY  
 . ARITHMETIC  
 . **DOUBLE PRECISION ARITHMETIC**  
 RT ARITHMETIC AND LOGIC UNITS  
 $\infty$  NUMBERS

**DOUBLE SIDEBAND TRANSMISSION**

GS TRANSMISSION  
 . ELECTROMAGNETIC WAVE  
 . TRANSMISSION  
 . . RADIO TRANSMISSION  
 . . . **DOUBLE SIDEBAND TRANSMISSION**  
 . . . SIGNAL TRANSMISSION  
 . . . RADIO TRANSMISSION  
 . . . **DOUBLE SIDEBAND TRANSMISSION**  
 RT MODULATION  
 SIDEBANDS  
 SINGLE SIDEBAND TRANSMISSION  
 TELEVISION TRANSMISSION  
 WAVE PROPAGATION

**DOUBLE STARS**

GS CELESTIAL BODIES  
 . STARS  
 . **DOUBLE STARS**  
 . . BINARY STARS  
 . . . CATAclysmic VARIABLES  
 . . . COMPANION STARS  
 . . . . NEMESIS (STAR)  
 . . . . ECLIPSING BINARY STARS  
 . . . . DWARF NOVAE  
 . . . . LAMBDA TAURI STARS  
 . . . . ZETA AURIGAE STAR  
 . . . . SIGMA ORIONIS  
 . . . . SYMBIOTIC STARS  
 RT ASTROMETRY  
 STELLAR MOTIONS

**DOUGHNUT SHAPE WHEELS**

USE TOROIDAL WHEELS

**DOUGLAS AIRCRAFT**

UF DOUGLAS MILITARY AIRCRAFT  
 GS MCDONNELL DOUGLAS AIRCRAFT  
 . **DOUGLAS AIRCRAFT**  
 . . A-1 AIRCRAFT  
 . . A-3 AIRCRAFT  
 . . A-4 AIRCRAFT  
 . . B-66 AIRCRAFT  
 . . C-9 AIRCRAFT  
 . . C-47 AIRCRAFT  
 . . C-54 AIRCRAFT  
 . . C-118 AIRCRAFT  
 . . C-124 AIRCRAFT  
 . . C-133 AIRCRAFT  
 . . D-558 AIRCRAFT  
 . . DC 3 AIRCRAFT  
 . . DC 7 AIRCRAFT  
 . . DC 8 AIRCRAFT  
 . . DC 9 AIRCRAFT  
 . . DC 10 AIRCRAFT  
 . . PD-808 AIRCRAFT  
 . . X-3 AIRCRAFT  
 RT  $\infty$  AIRCRAFT

**DOUGLAS D-558 AIRCRAFT**

USE D-558 AIRCRAFT

**DOUGLAS DC-3 AIRCRAFT**

USE DC 3 AIRCRAFT

**DOUGLAS DC-7 AIRCRAFT**

USE DC 7 AIRCRAFT

**DOUGLAS DC-8 AIRCRAFT**

USE DC 8 AIRCRAFT

**DOUGLAS DC-9 AIRCRAFT**

USE DC 9 AIRCRAFT

**DOUGLAS MILITARY AIRCRAFT**

USE DOUGLAS AIRCRAFT  
 MILITARY AIRCRAFT

**DOUGLAS PD-808 AIRCRAFT**

USE PD-808 AIRCRAFT

**DOVAP**

USE DOPPLER EFFECT

**DOWN-CONVERTERS**

GS FREQUENCY CONVERTERS  
 . **DOWN-CONVERTERS**  
 RT  $\infty$  CONVERTERS  
 FREQUENCY DIVIDERS

**DOWNLINKING**

RT CARRIER TO NOISE RATIOS  
 COMMUNICATION SATELLITES  
 FREQUENCY REUSE  
 GROUND STATIONS  
 MICROWAVE TRANSMISSION  
 SATELLITE TRANSMISSION  
 TRANSMISSION EFFICIENCY  
 UPLINKING

**DOWNRANGE**

RT BALLISTIC RANGES  
 BALLISTIC TRAJECTORIES  
 FLIGHT TESTS  
 IMPACT PREDICTION  
 MISSILE RANGES  
 RECOVERY ZONES  
 TEST RANGES  
 TOUCHDOWN  
 TRAJECTORIES

**DOWNRANGE ANTIMISSILE MEASUREMENT PROGRAM**

UF DAMP PROGRAM  
 GS PROGRAMS  
 . **DOWNRANGE ANTIMISSILE MEASUREMENT PROGRAM**  
 RT  $\infty$  MEASUREMENT

**DOWNRANGE MEASUREMENT**

RT  $\infty$  MEASUREMENT  
 TEST RANGES

**DOWNTIME**

GS TIME  
 . **DOWNTIME**  
 RT FAILURE  
 INVENTORY MANAGEMENT  
 LOGISTICS

## DOWNWASH

### DOWNTIME-(CONT.)

MAINTENANCE  
MALFUNCTIONS  
MTBF  
RELIABILITY  
SPARE PARTS  
SYSTEM FAILURES  
TURNAROUND (STS)

### DOWNWASH

RT BACKWASH  
∞ DRAFT  
GROUND EFFECT (AERODYNAMICS)  
HELICOPTER WAKES  
LIFT AUGMENTATION  
PERIPHERAL JET FLOW  
UPWASH  
WAKES

### DPCM (MODULATION)

USE DIFFERENTIAL PULSE CODE  
MODULATION

### DRACONID METEORIODS

GS CELESTIAL BODIES  
METEOROID SHOWERS  
DRACONID METEORIODS  
METEORIODS  
DRACONID METEORIODS  
GIACOBINI-ZINNER COMET

RT

### ∞ DRAFT

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT BOUNDARY LAYERS  
DOWNWASH  
DRAFT (GAS FLOW)  
DRAFTING (DRAWING)  
UPWASH  
WAKES

### DRAFT (GAS FLOW)

RT ∞ DRAFT  
FLUES  
VENTILATION

### DRAFTING (DRAWING)

RT ∞ DRAFT  
DRAWING  
DRAWINGS  
GRAPHIC ARTS

### DRAFTING MACHINES

RT COMPUTER AIDED DESIGN  
∞ DESIGN  
∞ MACHINERY

### DRAG

UF DRAG EFFECT  
GS DYNAMIC CHARACTERISTICS  
DRAG  
ELECTROSTATIC DRAG  
FRICTION DRAG  
AERODYNAMIC DRAG  
SUPERSONIC DRAG  
VISCOUS DRAG  
MINIMUM DRAG  
PRESSURE DRAG  
SUPERSONIC DRAG  
WAVE DRAG  
INTERFERENCE DRAG  
SATELLITE DRAG  
RT AERODYNAMIC CONFIGURATIONS  
AERODYNAMICS  
BOUNDARY LAYERS  
∞ DRAG COEFFICIENTS  
DRAG MEASUREMENT  
FRICTION  
GRAVITATION  
GROUND EFFECT (AERODYNAMICS)  
LIFT  
SKIN FRICTION  
WAKES

### DRAG BALANCE

USE AERODYNAMIC BALANCE  
LIFT DRAG RATIO

### DRAG CHUTES

UF DROGUE PARACHUTES  
GS BRAKES (FOR ARRESTING MOTION)  
AERODYNAMIC BRAKES  
DRAG CHUTES

### DRAG CHUTES-(CONT.)

DRAG DEVICES  
AERODYNAMIC BRAKES  
DRAG CHUTES  
PARACHUTES  
DRAG CHUTES  
RT AIRCRAFT BRAKES  
AIRDROPS  
BALLUTES  
RIBBON PARACHUTES  
TOWED BODIES

### ∞ DRAG COEFFICIENTS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT AERODYNAMIC COEFFICIENTS  
AERODYNAMIC DRAG  
DRAG  
HYDRODYNAMIC COEFFICIENTS

### DRAG DEVICES

UF DRAGULATORS  
GS DRAG DEVICES  
AERODYNAMIC BRAKES  
BALLUTES  
DRAG CHUTES  
PARAVULCOONS  
SPLIT FLAPS  
WING FLAPS  
LEADING EDGE FLAPS  
LEADING EDGE SLATS  
TRAILING EDGE FLAPS  
VORTEX FLAPS  
SPOILERS  
RT ABORT APPARATUS  
AIRCRAFT BRAKES  
BOUNDARY LAYER CONTROL  
BRAKES (FOR ARRESTING MOTION)  
CONTROL SURFACES  
FLAPS (CONTROL SURFACES)  
LIFT DEVICES  
SKIN FRICTION  
VORTEX ALLEVIATION

### DRAG EFFECT

USE DRAG

### DRAG FORCE ANEMOMETERS

GS MEASURING INSTRUMENTS  
ANEMOMETERS  
DRAG FORCE ANEMOMETERS  
RT FLOW MEASUREMENT  
INSTRUMENTS  
VELOCITY MEASUREMENT

### DRAG MEASUREMENT

GS MECHANICAL MEASUREMENT  
DRAG MEASUREMENT  
RT AERODYNAMIC DRAG  
DRAG  
ELECTROSTATIC DRAG  
FLOW MEASUREMENT  
∞ MEASUREMENT  
MEASURING INSTRUMENTS

### DRAG REDUCTION

RT AERODYNAMIC DRAG  
FLUID FLOW  
FRICTION  
LIFT DRAG RATIO  
∞ REDUCTION  
WINGLETS

### DRAGULATORS

USE BRAKES (FOR ARRESTING MOTION)  
DRAG DEVICES

### DRAINAGE

UF DRAINING  
RUNOFFS  
RT ∞ DISCHARGE  
EVACUATING (VACUUM)  
EXCAVATION  
FLOOD CONTROL  
HYDROLOGY  
HYDROLOGY MODELS  
IRRIGATION  
LIQUID WASTES  
MINES (EXCAVATIONS)  
PERMEABILITY  
∞ PUMPING  
SEEPAGE  
SEWERS  
SUMPS

### DRAINAGE-(CONT.)

TUNNELING (EXCAVATION)  
WASTE DISPOSAL  
WATER FLOW  
WATER RUNOFF  
WATER TABLES

### DRAINAGE PATTERNS

UF DENDRITIC DRAINAGE  
INTERLACING DRAINAGE  
RADIAL DRAINAGE PATTERNS  
RECTANGULAR DRAINAGE  
RT ARROYOS  
DIVIDES (LANDFORMS)  
FLOOD DAMAGE  
HYDROLOGY  
IRRIGATION  
MISSISSIPPI RIVER (US)  
∞ PATTERNS  
PRECIPITATION (METEOROLOGY)  
TRIBUTARIES  
WATER EROSION  
WATER FLOW  
WATERSHEDS

### DRAINING

USE DRAINAGE

### ∞ DRAWING

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT BUNDLE DRAWING  
COLD DRAWING  
DRAFTING (DRAWING)  
DRAWINGS  
EXTRUDING  
LAYOUTS  
METAL DRAWING  
PULLING  
RECORDS  
STRETCH FORMING  
STRETCHING  
TEMPERING

### DRAWINGS

UF ELEVATIONS (DRAWINGS)  
GS DRAWINGS  
ENGINEERING DRAWINGS  
BLUEPRINTS  
RT CHARTS  
∞ CROSS SECTIONS  
DIAGRAMS  
DIMENSIONS  
DOCUMENTS  
DRAFTING (DRAWING)  
∞ DRAWING  
GRAPHIC ARTS  
INKS  
LAYOUTS  
∞ PLANS  
∞ PROJECTION  
REPRESENTATIONS  
REPRODUCTION (COPYING)  
SPECIFICATIONS  
∞ TRACING  
VISUAL AIDS

### DRC (CAPSULE)

USE DISCOVERER RECOVERY CAPSULES

### DREAMS

RT RAPID EYE MOVEMENT STATE  
SLEEP

### DREDGED MATERIALS

RT CHANNEL FLOW  
∞ CHANNELS  
∞ MATERIALS  
SEDIMENTS

### DREDGING

RT ARTIFICIAL HARBORS  
HARBORS  
MINERAL DEPOSITS  
MINING  
UNDERWATER RESOURCES

### ∞ DRIFT

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT DEVIATION  
DIVERGENCE

**DRIFT-(CONT.)**

DRIFT (INSTRUMENTATION)  
DRIFT RATE  
FLIGHT PATHS  
IONOSPHERIC DRIFT  
STABILITY

**DRIFT (INSTRUMENTATION)**

UF INSTRUMENT DRIFT  
RT ACCURACY  
CIRCUIT RELIABILITY  
∞ DRIFT  
DRIFT RATE  
DYNAMIC STABILITY  
ERRORS  
INSTRUMENT ERRORS  
STATIC STABILITY  
TOLERANCES (MECHANICS)

**DRIFT RATE**

GS RATES (PER TIME)  
DRIFT RATE  
RT ∞ DRIFT  
DRIFT (INSTRUMENTATION)  
IONOSPHERIC DRIFT  
MOBILITY  
ORBIT PERTURBATION  
ORBITAL MECHANICS  
ROTATING PLASMAS  
STABILITY  
TRAJECTORY CONTROL

**DRILL BITS**

GS CUTTERS  
DRILL BITS  
TOOLS  
RT DRILL BITS  
BITS  
DRILLING  
DRILLS

**DRILLING**

GS DRILLING  
LASER DRILLING  
RT BOREHOLES  
CORE SAMPLING  
CUTTING  
DRILL BITS  
DRILLS  
EXPLORATION  
MACHINING  
NATURAL GAS EXPLORATION  
OFFSHORE ENERGY SOURCES  
OIL EXPLORATION  
OIL FIELDS  
PENETRATION  
PERFORATING  
PIERCING  
TUNNELING (EXCAVATION)  
WELLS

**DRILLS**

GS CUTTERS  
DRILLS  
RT BORING MACHINES  
COMPRESSED AIR  
DRILL BITS  
DRILLING  
MACHINE TOOLS  
TAPS  
TOOLS

**DRINKING**

GS INGESTION (BIOLOGY)  
DRINKING  
RT BEVERAGES  
SWALLOWING

**DRIVES**

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT MECHANICAL DRIVES  
MOTIVATION  
PROPULSION  
SEX  
SLEEP  
WIND TUNNEL DRIVES

**DROGUE PARACHUTES**

USE DRAG CHUTES

**DROQUES**

USE TOWED BODIES

**DRONE AIRCRAFT**

UF DRONE HELICOPTERS  
GS DRONE VEHICLES  
DRONE AIRCRAFT  
TARGET DRONE AIRCRAFT  
FIREBEE 2 TARGET DRONE  
AIRCRAFT  
JINDIVIK TARGET AIRCRAFT  
PILOTLESS AIRCRAFT  
DRONE AIRCRAFT  
TARGET DRONE AIRCRAFT  
FIREBEE 2 TARGET DRONE  
AIRCRAFT  
JINDIVIK TARGET AIRCRAFT  
RT AIRCRAFT  
ANTISUBMARINE WARFARE AIRCRAFT  
DAST PROGRAM  
LIGHT AIRCRAFT  
MILITARY AIRCRAFT  
OBLIQUE WINGS  
REMOTELY PILOTED VEHICLES  
RESEARCH AIRCRAFT  
V/STOL AIRCRAFT

**DRONE HELICOPTERS**

USE DRONE AIRCRAFT  
HELICOPTERS

**DRONE VEHICLES**

GS DRONE VEHICLES  
DRONE AIRCRAFT  
TARGET DRONE AIRCRAFT  
FIREBEE 2 TARGET DRONE  
AIRCRAFT  
JINDIVIK TARGET AIRCRAFT  
RT MILITARY AIRCRAFT  
PILOTLESS AIRCRAFT  
SANDPIPER TARGET MISSILE  
VEHICLES  
WINGED VEHICLES

**DRONES FOR AERODYNAMIC AND STRUCT TEST**

USE DAST PROGRAM

**DROOPED AIRFOILS**

GS AERODYNAMIC CONFIGURATIONS  
DROOPED AIRFOILS  
AIRCRAFT CONFIGURATIONS  
DROOPED AIRFOILS  
AIRFOILS  
RT DROOPED AIRFOILS  
BODY-WING CONFIGURATIONS  
WING ROOTS  
WINGS

**DROP**

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT DROPS (LIQUIDS)  
GRADIENTS

**DROP CALORIMETERS**

GS MEASURING INSTRUMENTS  
CALORIMETERS  
DROP CALORIMETERS  
RT BOMB CALORIMETERS  
FLAME CALORIMETERS  
HEAT MEASUREMENT  
HIGH TEMPERATURE TESTS  
TEMPERATURE MEASURING  
INSTRUMENTS

**DROP SIZE**

RT CLOUD PHYSICS  
CLOUDS (METEOROLOGY)  
CONDENSATES  
CONDENSING  
FOG  
HUMIDITY  
HYDROGEN CLOUDS  
NUCLEATION  
PARTICLE DIFFUSION  
PARTICLE SIZE DISTRIBUTION  
PRECIPITATION  
PRECIPITATION PARTICLE  
MEASUREMENT  
RAINDROPS  
SIZE DISTRIBUTION

**DROP TESTS**

UF DROP WEIGHT TESTS  
RT CHARPY IMPACT TEST  
DESTRUCTIVE TESTS  
IMPACT TESTING MACHINES

**DROP TESTS-(CONT.)**

IMPACT TESTS  
NOTCH TESTS  
SHOCK TESTS  
∞ TESTS

**DROP TOWERS**

UF DROP TUBES  
RT FALLING SPHERES  
GRAVITATIONAL EFFECTS  
LOW GRAVITY MANUFACTURING  
REDUCED GRAVITY  
WEIGHTLESSNESS

**DROP TRANSFER**

GS TRANSFERRING  
DROP TRANSFER  
RT ARC MELTING  
MELTING  
PLASMA JETS  
REFINING

**DROP TUBES**

USE DROP TOWERS

**DROP WEIGHT TESTS**

USE DROP TESTS

**DROPOUTS**

RT CIRCUIT BREAKERS  
ELECTRIC CONTACTS  
ELECTRIC SWITCHES  
SWITCHES

**DROPS (LIQUIDS)**

UF LIQUID DROPS  
GS PARTICLES  
DROPS (LIQUIDS)  
RAINDROPS  
RT AIR POLLUTION  
CONDENSATION NUCLEI  
CONDENSING  
∞ DROP  
SPRAYERS

**DROPSONDES**

GS MEASURING INSTRUMENTS  
METEOROLOGICAL INSTRUMENTS  
DROPSONDES  
SONDES  
DROPSONDES  
RT METEOROLOGICAL BALLOONS  
RADIOSONDES  
RAWINSONDES

**DROSOPHILA**

GS ANIMALS  
INVERTEBRATES  
ARTHROPODS  
INSECTS  
DROSOPHILA  
RT CHIRONOMUS FLIES

**DROUGHT**

UF DROUGHT CONDITIONS  
RT ARID LANDS  
CONSERVATION  
DESERTIFICATION  
FLOODS  
HYDROLOGY  
POTABLE WATER  
PRECIPITATION (METEOROLOGY)  
WATER CONSUMPTION  
WATER MANAGEMENT  
WATER POLLUTION  
WATER RECLAMATION

**DROUGHT CONDITIONS**

USE DROUGHT

**DROWSINESS**

USE SLEEP

**DRUG THERAPY**

USE CHEMOTHERAPY

**DRUGS**

GS DRUGS  
ADRENERGICS  
AMINOPHYLLINE  
ANESTHETICS  
CHLOROFORM  
CYCLOPROPANE  
METHYL CHLORIDE

## DRUMLINS

### DRUGS-(CONT.)

- . . . NOVOCAIN
- . . . ANTIADRENERGICS
- . . . ANTIBIOTICS
- . . . ACTINOMYCIN
- . . . PENICILLIN
- . . . PLEUROTIN
- . . . STREPTOMYCIN
- . . . TETRACYCLINES
- . . . ANTICONVULSANTS
- . . . ANTIDIURETICS
- . . . ANTIDOTES
- . . . ANTIEMETICS AND ANTINAUSEANTS
- . . . ANTIHISTAMINICS
- . . . DIMENHYDRINATE
- . . . DIPHENYL HYDANTOIN
- . . . PROMETHAZINE
- . . . ANTIHYPERTENSIVE AGENTS
- . . . ANTIINFECTIVES AND ANTIBACTERIALS
- . . . ANTIRADIATION DRUGS
- . . . CYSTEAMINE
- . . . CENTRAL NERVOUS SYSTEM DEPRESSANTS
- . . . CHOLINERGICS
- . . . ANTICHOLINERGICS
- . . . CORTISONE
- . . . CYSTEINE
- . . . DECONGESTANTS
- . . . DIGITALIS
- . . . EPINEPHRINE
- . . . NOREPINEPHRINE
- . . . ERGOTAMINE
- . . . HEMOSTATICS
- . . . HISTAMINES
- . . . INSULIN
- . . . METHAMPHETAMINE
- . . . METRAZOL
- . . . MOTION SICKNESS DRUGS
- . . . MUSCLE RELAXANTS
- . . . NARCOTICS
- . . . MORPHINE
- . . . NEMBUTAL (TRADEMARK)
- . . . PENTOBARBITAL SODIUM
- . . . RESERPINE
- . . . PSYCHOTROPIC DRUGS
- . . . MARIJUANA
- . . . SEDATIVES
- . . . STIMULANTS
- . . . ATROPINE
- . . . CAFFEINE
- . . . CENTRAL NERVOUS SYSTEM STIMULANTS
- . . . NORADRENALINE
- . . . NOREPINEPHRINE
- . . . TRANQUILIZERS
- . . . TRIMETHADIONE
- . . . VASOCONSTRICTOR DRUGS
- . . . HYPERTENSIN
- . . . SEROTONIN
- RT ALKALOIDS
- ANALGESIA
- ANESTHESIOLOGY
- BIOFLAVONOIDS
- BIOTIN
- CHEMICAL DEFENSE
- CHEMOTHERAPY
- CURES
- DOSAGE
- ETHERS
- LYSERGAMIDE
- PENTOBARBITAL
- PHARMACOLOGY
- PHENOBARBITAL
- QUINOLINE
- SALICYLATES
- SUBLETHAL DOSAGE
- VACCINES
- VITAMINS

### DRUMLINS

USE GLACIAL DRIFT

### ∞ DRUMS

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*

RT ∞ BARRELS  
 ∞ CYLINDERS  
 DRUMS (CONTAINERS)  
 MAGNETIC DRUMS  
 MAGNETIC STORAGE

### DRUMS (CONTAINERS)

SN (EXCLUDE MAGNETIC COMPUTER MEMORIES)

### DRUMS (CONTAINERS)-(CONT.)

RT BARRELS (CONTAINERS)  
 ∞ BUCKETS  
 CANS  
 ∞ CONTAINERS  
 ∞ CYLINDERS  
 ∞ DRUMS  
 TANKS (CONTAINERS)

### DRY CELLS

GS ELECTRIC GENERATORS  
 . DIRECT POWER GENERATORS  
 . . PRIMARY BATTERIES  
 . . . DRY CELLS  
 . . . . MAGNESIUM CELLS  
 . . . . NICKEL ZINC BATTERIES  
 ELECTROCHEMICAL CELLS  
 . ELECTRIC BATTERIES  
 . . PRIMARY BATTERIES  
 . . . DRY CELLS  
 . . . . MAGNESIUM CELLS  
 . . . . NICKEL ZINC BATTERIES  
 RT METAL AIR BATTERIES  
 NICKEL CADMIUM BATTERIES  
 STORAGE BATTERIES  
 THERMAL BATTERIES

### DRY FRICTION

GS FRICTION  
 . DRY FRICTION  
 RT ABRASION  
 KINETIC FRICTION  
 SLIDING FRICTION  
 STATIC FRICTION

### DRY HEAT

GS HEAT  
 . DRY HEAT  
 RT GEOTHERMAL RESOURCES  
 GEOTHERMAL TECHNOLOGY  
 HIGH TEMPERATURE ENVIRONMENTS  
 HUMIDITY  
 OVENS

### DRYDOCKS

RT ∞ PORTS  
 SEA LAUNCHING

### DRYERS (EQUIPMENT)

USE DRYING APPARATUS

### DRYING

UF DESICCATION  
 DEWETTING  
 GS DRYING  
 . DEHUMIDIFICATION  
 . DEHYDRATION  
 . FREEZE DRYING  
 RT ∞ ABSORPTION  
 BAKING  
 CONCENTRATING  
 CURING  
 DESATURATION  
 DEWATERING  
 DIFFUSION  
 ENTHALPY  
 EVAPORATION  
 FIRING (IGNITING)  
 ROASTING  
 ∞ SEPARATION  
 SILICA GEL  
 WATER LOSS

### DRYING APPARATUS

UF DRYERS (EQUIPMENT)  
 GS SEPARATORS  
 . DRYING APPARATUS  
 . . DESICCATORS  
 RT ABSORBERS (EQUIPMENT)  
 COLUMNS (PROCESS ENGINEERING)  
 CONDENSERS (LIQUEFIERS)  
 DEHYDRATED FOOD  
 EVAPORATORS  
 FURNACES

### DSIF (INSTRUMENTATION FACILITY)

USE DEEP SPACE INSTRUMENTATION FACILITY

### DSN HELICOPTER

USE QH-50 HELICOPTER

### DTA (ANALYSIS)

USE THERMAL ANALYSIS

### DTL INTEGRATED CIRCUITS

UF DIODE-TRANSISTOR-LOGIC INTEG CIRCUITS  
 GS CIRCUITS  
 . INTEGRATED CIRCUITS  
 . . DTL INTEGRATED CIRCUITS  
 RT ELECTRONIC PACKAGING  
 LARGE SCALE INTEGRATION  
 MICROMINIATURIZATION  
 MOLECULAR ELECTRONICS  
 TRANSISTOR CIRCUITS

### DTMB-111 GROUND EFFECT MACHINE

USE GROUND EFFECT MACHINES

### DTMB-430 GROUND EFFECT MACHINE

USE GROUND EFFECT MACHINES

### DUAL AIR DENSITY EXPLORER

UF DAD EXPLORER  
 GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . EXPLORER SATELLITES  
 . . . DUAL AIR DENSITY EXPLORER

### DUAL FREQUENCY RADAR

USE MULTISPECTRAL RADAR

### DUAL MODE PROPULSION

USE HYBRID PROPULSION

### DUAL SPIN SPACECRAFT

RT OSO-7  
 ∞ SPACECRAFT  
 SPACECRAFT STABILITY  
 SPIN STABILIZATION

### DUAL THRUST NOZZLES

GS ROCKET NOZZLES  
 . DUAL THRUST NOZZLES  
 RT ∞ NOZZLES  
 THRUST

### DUAL WING CONFIGURATIONS

RT BIPLANES  
 JOINED WINGS  
 TANDEM WING AIRCRAFT  
 WINGS

### DUALITY PRINCIPLE

RT ∞ ANALYZING  
 CIRCUITS  
 EQUIVALENT CIRCUITS  
 NETWORK ANALYSIS  
 ∞ PATHS  
 ∞ PRINCIPLES  
 SIGNAL FLOW GRAPHS

### DUALITY THEOREM

GS THEOREMS  
 . DUALITY THEOREM  
 RT HOMOMLOGY  
 ISOMORPHISM  
 ∞ MATHEMATICS  
 ∞ RELATIONSHIPS

### DUCT GEOMETRY

GS GEOMETRY  
 . DUCT GEOMETRY  
 RT AIR FLOW  
 ANNULAR DUCTS  
 CIRCULAR TUBES  
 DUMP COMBUSTORS  
 FLUID FLOW  
 INTAKE SYSTEMS  
 OPENINGS  
 SPATIAL MARCHING

### DUCTED BODIES

RT ANNULAR DUCTS  
 AXISYMMETRIC BODIES  
 BLUFF BODIES  
 BLUNT BODIES  
 ∞ BODIES  
 DUCTS  
 INTAKE SYSTEMS  
 NACELLES  
 NOSE INLETS  
 SHROUDS  
 SLENDER BODIES  
 TWO DIMENSIONAL BODIES

### DUCTED FAN ENGINES

GS ENGINES

**DUCTED FAN ENGINES-(CONT.)**

- . AIR BREATHING ENGINES
- . . GAS TURBINE ENGINES
- . . . JET ENGINES
- . . . . TURBOJET ENGINES
- . . . . . **DUCTED FAN ENGINES**
- . . . . . INTERNAL COMBUSTION ENGINES
- . . . . . GAS TURBINE ENGINES
- . . . . . JET ENGINES
- . . . . . TURBOJET ENGINES
- . . . . . **DUCTED FAN ENGINES**
- . . . . . TURBINE ENGINES
- . . . . . GAS TURBINE ENGINES
- . . . . . JET ENGINES
- . . . . . TURBOJET ENGINES
- . . . . . **DUCTED FAN ENGINES**
- RT TURBOFAN ENGINES

**DUCTED FANS**

- RT BLOWERS
- FAN BLADES
- ∞ FANS
- LIFT FANS
- PROPELLER FANS
- RING WINGS
- SHROUDED PROPELLERS
- TURBOFANS
- VENTILATION FANS

**DUCTED FLOW**

- GS FLUID FLOW
- . **DUCTED FLOW**
- . . KNUDSEN FLOW
- RT AIR FLOW
- CHANNEL FLOW
- CORNER FLOW
- DUMP COMBUSTORS
- FLOW GEOMETRY
- FUEL FLOW
- HEAT TRANSMISSION
- WALL FLOW

**DUCTED PROPELLERS**

- USE SHROUDED PROPELLERS

**DUCTED ROCKET ENGINES**

- GS ENGINES
- . ROCKET ENGINES
- . . **DUCTED ROCKET ENGINES**
- RT BOOSTER ROCKET ENGINES
- ∞ HYBRID ROCKET ENGINES
- INTERNAL COMBUSTION ENGINES
- LIQUID PROPELLANT ROCKET ENGINES
- RESTARTABLE ROCKET ENGINES
- SOLID PROPELLANT ROCKET ENGINES
- SUSTAINER ROCKET ENGINES

**DUCTILITY**

- GS MECHANICAL PROPERTIES
- . **DUCTILITY**
- RT BRITTLENESS
- COMPRESSIVE STRENGTH
- CREEP PROPERTIES
- ELONGATION
- FATIGUE (MATERIALS)
- FLATTENING
- FRACTOGRAPHY
- FRACTURE STRENGTH
- HARDNESS
- IMPACT STRENGTH
- MALLEABILITY
- METAL DRAWING
- NOTCH STRENGTH
- PLASTIC PROPERTIES
- SHEAR PROPERTIES
- SOFTNESS
- STRESS RELAXATION
- STRETCHING
- TEMPER (METALLURGY)
- TENSILE STRENGTH
- TOUGHNESS
- TRESCA FLOW
- WELDABILITY

**DUCTS**

- GS **DUCTS**
- . ACOUSTIC DUCTS
- . AIR DUCTS
- . ANNULAR DUCTS
- RT BAFFLES
- CAVITIES
- ∞ CHANNELS
- DUCTED BODIES
- EXHAUST SYSTEMS
- FLUES

**DUCTS-(CONT.)**

- INTAKE SYSTEMS
- NOSE INLETS
- OPENINGS
- ORIFICES
- OUTLETS
- PIPES (TUBES)
- PLENUM CHAMBERS
- PORTS (OPENINGS)
- SCOOPS
- THROATS
- ∞ TUBES
- VENTILATION
- VENTS
- WINDOWS (APERTURES)

**DUFFING DIFFERENTIAL EQUATION**

- GS ALGEBRA
- . NONLINEAR EQUATIONS
- . . **DUFFING DIFFERENTIAL EQUATION**
- ANALYSIS (MATHEMATICS)
- . REAL VARIABLES
- . . DIFFERENTIAL EQUATIONS
- . . . **DUFFING DIFFERENTIAL EQUATION**
- . . . NONLINEAR EQUATIONS
- . . . **DUFFING DIFFERENTIAL EQUATION**
- RT ∞ EQUATIONS
- PROBABILITY THEORY

**DULLNESS**

- USE LUSTER

**DUMMIES**

- RT DECOYS
- MODELS
- SIMULATORS

**DUMMY LOADS**

- USE IMPEDANCE
- LOADING
- OUTPUT

**DUMP COMBUSTORS**

- GS COMBUSTION CHAMBERS
- . **DUMP COMBUSTORS**
- RT COMBUSTIBLE FLOW
- COMBUSTION EFFICIENCY
- DUCT GEOMETRY
- DUCTED FLOW
- ENGINE PARTS
- FLAME HOLDERS
- FLOW VELOCITY
- INLET FLOW
- RAMJET ENGINES
- ROCKET ENGINES

**DUMPING**

- RT DISCONNECT DEVICES
- DISPOSAL
- EJECTION
- EMPTYING
- EXPULSION
- JETTISONING
- MATERIALS HANDLING
- OIL SLICKS
- RELEASING
- SPILLING
- SPREADING
- UNLOADING

**DUNALIELLA**

- GS PLANTS (BOTANY)
- . ALGAE
- . . **DUNALIELLA**

**DUNES**

- UF BARCHANS
- COASTAL DUNES
- SAND DUNES
- GS LANDFORMS
- . **DUNES**
- RT BEACHES
- COASTS
- DESERTS
- LAGOONS
- SAHARA DESERT (AFRICA)
- SANDS
- TOPOGRAPHY
- WIND EFFECTS

**DUNGEYS WIND SHEAR MECHANISM**

- USE WIND SHEAR

**DUNITE**

- GS ROCKS
- . IGNEOUS ROCKS
- . . **DUNITE**
- RT MINERALS
- OLIVINE
- PERIDOTITE
- SOILS

**DUOCHROMATORS**

- RT ELECTROMAGNETIC RADIATION
- ∞ GENERATORS
- LIGHT SOURCES
- MEASURING INSTRUMENTS
- MONOCHROMATORS
- RADIATION SOURCES
- SPECTROPHOTOMETERS

**DUOPLASMATRONS**

- GS ION SOURCES
- . PLASMATRONS
- . . **DUOPLASMATRONS**
- PLASMA GENERATORS
- . PLASMATRONS
- . . **DUOPLASMATRONS**
- RT ELECTRIC DISCHARGES
- ION PROPULSION
- PLASMA PROPULSION
- PLASMAS (PHYSICS)
- SPUTTERING

**DUPLEX OPERATION**

- RT ∞ METALLURGY
- PHASE SHIFT CIRCUITS
- SWITCHING CIRCUITS

**DUPLEXERS**

- RT CIRCUITS
- CIRCULATORS (PHASE SHIFT CIRCUITS)
- MAGIC TEES
- MONOPULSE RADAR
- RECEIVERS
- SWITCHING CIRCUITS
- TRANSMITTERS

**DUPLICATING**

- USE REPRODUCTION (COPYING)

**DURABILITY**

- RT AIRCRAFT SURVIVABILITY
- CORROSION
- CUMULATIVE DAMAGE
- DAMAGE
- DEGRADATION
- DETERIORATION
- ∞ ENDURANCE
- LIFE (DURABILITY)
- LONG TERM EFFECTS
- MECHANICAL PROPERTIES
- ∞ PHYSICAL PROPERTIES
- QUALITY
- RELIABILITY
- ∞ RESISTANCE
- RUGGEDNESS
- STABILITY
- VULNERABILITY
- WEAR

**DURATION**

- USE TIME

**DURENE**

- GS ORGANIC COMPOUNDS
- . CYCLIC COMPOUNDS
- . . CYCLIC HYDROCARBONS
- . . . **DURENE**
- . . . HYDROCARBONS
- . . . CYCLIC HYDROCARBONS
- . . . **DURENE**

**DUST**

- GS PARTICLES
- . **DUST**
- . . COSMIC DUST
- . . . INTERPLANETARY DUST
- . . . . METEOROID DUST CLOUDS
- . . . . . ZODIACAL DUST
- . . . . . LUNAR DUST
- . . . . . TERRESTRIAL DUST BELT
- RT AEROSOLS
- AIR POLLUTION
- AITKEN NUCLEI
- CLEANING
- ∞ CLOUDS



## DUST COLLECTORS

### DUST-(CONT.)

COMBUSTION PRODUCTS  
CONTAMINANTS  
DIRT  
∞ DISPERSION  
DISPERSIONS  
FUMES  
PARTICULATES  
POLLEN  
POWDER (PARTICLES)  
R CORONAE BOREALIS STARS  
SANDS  
SMOKE  
SPACE DEBRIS

### DUST COLLECTORS

GS ACCUMULATORS  
DUST COLLECTORS  
SEPARATORS  
DUST COLLECTORS  
RT AIR FILTERS  
ELECTROSTATIC PRECIPITATORS  
EXHAUST SYSTEMS  
PRECIPITATORS

### DUST STORMS

GS STORMS  
STORMS (METEOROLOGY)  
DUST STORMS  
RT ATMOSPHERIC ELECTRICITY  
ATMOSPHERIC PHYSICS  
MARS (PLANET)  
MARS ENVIRONMENT  
MARS SURFACE  
WIND EFFECTS

### DWARF GALAXIES

GS CELESTIAL BODIES  
GALAXIES  
DWARF GALAXIES  
RT LOCAL GROUP (ASTRONOMY)

### DWARF NOVAE

GS CELESTIAL BODIES  
STARS  
DOUBLE STARS  
BINARY STARS  
ECLIPSING BINARY STARS  
DWARF NOVAE  
MAIN SEQUENCE STARS  
DWARF STARS  
DWARF NOVAE  
VARIABLE STARS  
NOVAE  
DWARF NOVAE  
RT HERCULES NOVA  
STELLAR MASS ACCRETION  
STELLAR MASS EJECTION  
WHITE DWARF STARS

### DWARF STARS

GS CELESTIAL BODIES  
STARS  
MAIN SEQUENCE STARS  
DWARF STARS  
DWARF NOVAE  
FLARE STARS  
RED DWARF STARS  
RT CATAclysmic VARIABLES  
F STARS  
G STARS  
K STARS  
LATE STARS  
NEMESIS (STAR)  
SUBDWARF STARS  
SUBGIANT STARS  
WHITE DWARF STARS

### DWELL

RT DELAY  
IGNITION SYSTEMS  
TIMING DEVICES

### DYADICS

GS ALGEBRA  
POLYNOMIALS  
DYADICS  
RT VECTORS (MATHEMATICS)

### DYE LASERS

GS STIMULATED EMISSION DEVICES  
LASERS  
ORGANIC LASERS  
DYE LASERS  
RT DYES

### DYE LASERS-(CONT.)

INFRARED LASERS  
LASER OUTPUTS  
LIQUID LASERS  
OPTICAL COMMUNICATION  
TUNING  
TWO-WAVELENGTH LASERS

### DYES

GS DYES  
METHYLENE BLUE  
THIAZINE (TRADEMARK)  
RT ACRIFLAVINE  
ANILINE  
ANTHRAQUINONES  
AZINES  
AZO COMPOUNDS  
DYE LASERS  
MARKERS  
METHYLENE  
PHENANTHRENE  
STILBENE

### DYNA-SOAR SPACE GLIDER

USE X-20 AIRCRAFT

### DYNAMIC CHARACTERISTICS

UF DYNAMIC PROPERTIES  
GS DYNAMIC CHARACTERISTICS  
DRAG  
ELECTROSTATIC DRAG  
FRICTION DRAG  
AERODYNAMIC DRAG  
SUPERSONIC DRAG  
VISCOUS DRAG  
MINIMUM DRAG  
PRESSURE DRAG  
SUPERSONIC DRAG  
WAVE DRAG  
INTERFERENCE DRAG  
SATELLITE DRAG  
DYNAMIC PRESSURE  
DYNAMIC STABILITY  
COMBUSTION STABILITY  
FLAME STABILITY  
CONTROL STABILITY  
FREQUENCY STABILITY  
MOTION STABILITY  
AERODYNAMIC STABILITY  
AIRCRAFT STABILITY  
HOVERING STABILITY  
ATTITUDE STABILITY  
DIRECTIONAL STABILITY  
GYROSCOPIC STABILITY  
LATERAL STABILITY  
LONGITUDINAL STABILITY  
FLOW STABILITY  
BOUNDARY LAYER STABILITY  
FLAME STABILITY  
MAGNETOHYDRODYNAMIC STABILITY  
WEIBEL INSTABILITY  
LOW SPEED STABILITY  
ROTARY STABILITY  
GYROSCOPIC STABILITY  
SPACECRAFT STABILITY  
FLOW CHARACTERISTICS  
FLOW DISTRIBUTION  
FLOW STABILITY  
BOUNDARY LAYER STABILITY  
FLAME STABILITY  
MAGNETOHYDRODYNAMIC STABILITY  
WEIBEL INSTABILITY  
FLOW VELOCITY  
LIFT  
INTERFERENCE LIFT  
JET LIFT  
ROTOR LIFT  
ZERO LIFT  
TRANSIENT RESPONSE  
RT ACCURACY  
AERODYNAMIC BALANCE  
AERODYNAMIC CHARACTERISTICS  
AMPLIFICATION  
AUTOMATIC CONTROL  
AUTOMATIC CONTROL VALVES  
BANDWIDTH  
CHARACTERISTICS  
CONTROL  
DAMPING  
DISTRIBUTION (PROPERTY)  
DYNAMICS  
EQUILIBRIUM  
ERRORS

### DYNAMIC CHARACTERISTICS-(CONT.)

∞ FREQUENCY RESPONSE  
HYSTERESIS  
IMPEDANCE  
LINEARITY  
OCEAN DYNAMICS  
PRECISION  
PROPERTIES  
RANGE (EXTREMES)  
REACTION TIME  
RELIABILITY  
REMOTE CONTROL  
RESOLUTION  
RESONANT FREQUENCIES  
SENSITIVITY  
STABILITY  
TIME CONSTANT  
TRANSFER FUNCTIONS

### DYNAMIC CONTROL

GS AUTOMATIC CONTROL  
DYNAMIC CONTROL  
RT ADAPTIVE CONTROL  
CONTROL  
CONTROL THEORY  
DYNAMICS  
FEEDBACK CONTROL  
MODEL REFERENCE ADAPTIVE CONTROL

### DYNAMIC LOADS

GS LOADS (FORCES)  
DYNAMIC LOADS  
AERODYNAMIC LOADS  
BLAST LOADS  
GUST LOADS  
CONTACT LOADS  
ROLLING CONTACT LOADS  
CYCLIC LOADS  
THRUST LOADS  
TRANSIENT LOADS  
GUST LOADS  
IMPACT LOADS  
LANDING LOADS  
SHOCK LOADS  
BLAST LOADS  
VIBRATORY LOADS  
WING LOADING  
RT AXIAL COMPRESSION LOADS  
AXIAL LOADS  
COMPRESSION LOADS  
CRITICAL LOADING  
DYNAMICS  
EDGE LOADING  
GAS-SOLID INTERACTIONS  
NASTRAN  
RANDOM LOADS  
STATIC LOADS  
STRUCTURAL DESIGN CRITERIA  
WIND PRESSURE

### DYNAMIC MODELS

GS MODELS  
DYNAMIC MODELS  
RT AIRCRAFT MODELS  
BIOLOGICAL MODELS (MATHEMATICS)  
BOND GRAPHS  
DYNAMICS  
MATHEMATICAL MODELS  
OCEAN MODELS  
PETRI NETS  
POWERED MODELS  
SIMILARITY THEOREM  
SPACECRAFT MODELS  
STATIC MODELS  
SYSTEMS SIMULATION  
WIND TUNNEL MODELS

### DYNAMIC MODULUS OF ELASTICITY

GS MECHANICAL PROPERTIES  
ELASTIC PROPERTIES  
MODULUS OF ELASTICITY  
DYNAMIC MODULUS OF ELASTICITY  
RT DYNAMICS  
ULTRASONIC TESTS

### DYNAMIC PRESSURE

GS DYNAMIC CHARACTERISTICS  
DYNAMIC PRESSURE  
PRESSURE  
DYNAMIC PRESSURE  
RT BLAST LOADS  
CONTACT LOADS  
DYNAMICS

**DYNAMIC PRESSURE-(CONT.)**

IMPACT LOADS  
KINETIC THEORY  
OVERPRESSURE  
RIEMANN WAVES

**DYNAMIC PROGRAMMING**

GS OPTIMIZATION  
  . MATHEMATICAL PROGRAMMING  
  . **DYNAMIC PROGRAMMING**  
  RESEARCH  
  . **DYNAMIC PROGRAMMING**  
RT ∞ APPLICATIONS OF MATHEMATICS  
  BELLMAN THEORY  
  CONSTRAINTS  
  CRITICAL PATH METHOD  
  DECISION THEORY  
  ∞ DYNAMICS  
    FORMALISM  
    LINEAR PROGRAMMING  
    MATHEMATICAL MODELS  
    NONLINEAR SYSTEMS  
    OPERATIONS RESEARCH  
  ∞ PROGRAMMING  
    STEEPEST DESCENT METHOD

**DYNAMIC PROPERTIES**

USE DYNAMIC CHARACTERISTICS

**DYNAMIC RESPONSE**

GS RESPONSES  
  . **DYNAMIC RESPONSE**  
  . TRANSIENT RESPONSE  
RT AMPLIFICATION  
  DAMPING  
  ∞ DYNAMICS  
    FIBER ORIENTATION  
  ∞ FREQUENCY RESPONSE  
    IMPEDANCE  
    MODAL RESPONSE  
    PARAMETER IDENTIFICATION  
    RAMP FUNCTIONS  
    REACTION TIME  
    RESPONSE BIAS  
    SENSITIVITY  
    STEP FUNCTIONS  
    STROKING TESTS  
    SYSTEM IDENTIFICATION  
    TIME CONSTANT  
    TRANSFER FUNCTIONS

**DYNAMIC STABILITY**

GS DYNAMIC CHARACTERISTICS  
  . **DYNAMIC STABILITY**  
    . COMBUSTION STABILITY  
    . FLAME STABILITY  
    . CONTROL STABILITY  
    . FREQUENCY STABILITY  
    . MOTION STABILITY  
    . AERODYNAMIC STABILITY  
    . AIRCRAFT STABILITY  
    . HOVERING STABILITY  
    . ATTITUDE STABILITY  
    . DIRECTIONAL STABILITY  
    . GYROSCOPIC STABILITY  
    . LATERAL STABILITY  
    . LONGITUDINAL STABILITY  
    . FLOW STABILITY  
    . BOUNDARY LAYER STABILITY  
    . FLAME STABILITY  
    . MAGNETOHYDRODYNAMIC STABILITY  
    . WEIBEL INSTABILITY  
    . LOW SPEED STABILITY  
    . ROTARY STABILITY  
    . GYROSCOPIC STABILITY  
    . SPACECRAFT STABILITY  
  STABILITY  
  . **DYNAMIC STABILITY**  
    . COMBUSTION STABILITY  
    . FLAME STABILITY  
    . CONTROL STABILITY  
    . FREQUENCY STABILITY  
    . MOTION STABILITY  
    . AERODYNAMIC STABILITY  
    . AIRCRAFT STABILITY  
    . HOVERING STABILITY  
    . ATTITUDE STABILITY  
    . DIRECTIONAL STABILITY  
    . GYROSCOPIC STABILITY  
    . LATERAL STABILITY  
    . LONGITUDINAL STABILITY  
    . FLOW STABILITY  
    . BOUNDARY LAYER STABILITY  
    . FLAME STABILITY

**DYNAMIC STABILITY-(CONT.)**

... MAGNETOHYDRODYNAMIC  
  ... STABILITY  
    ... WEIBEL INSTABILITY  
    ... LOW SPEED STABILITY  
    ... ROTARY STABILITY  
    ... GYROSCOPIC STABILITY  
    ... SPACECRAFT STABILITY  
RT COUNTERBALANCES  
  DAMPING  
  DIMENSIONAL STABILITY  
  DRIFT (INSTRUMENTATION)  
  ∞ DYNAMICS  
    HORIZONTAL ORIENTATION  
    MISSING MASS (ASTROPHYSICS)  
    RESONANT VIBRATION  
    SPACECRAFT MOTION  
    STABLE OSCILLATIONS  
    STATIC STABILITY  
    SURFACE STABILITY  
    SYSTEMS STABILITY  
    TRANSIENT RESPONSE  
    VERTICAL ORIENTATION

**DYNAMIC STRUCTURAL ANALYSIS**

UF STRUCTURAL DYNAMICS  
GS STRUCTURAL ANALYSIS  
  . **DYNAMIC STRUCTURAL ANALYSIS**  
RT ∞ DYNAMICS  
  FLAT PLATES  
  SHOCK SPECTRA

**DYNAMIC TESTS**

RT AERODYNAMIC STABILITY  
  ∞ DYNAMICS  
    FLIGHT TESTS  
    LOW SPEED STABILITY  
    MOTION STABILITY  
    SPIN DYNAMICS  
    SPIN TESTS  
    STATIC TESTS  
  ∞ TESTS  
    VIBRATION TESTS

**DYNAMICAL SYSTEMS**

RT CONTROL THEORY  
  MATHEMATICAL MODELS  
  NONLINEAR SYSTEMS  
  SYSTEMS SIMULATION

∞ **DYNAMICS**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT AERODYNAMICS  
  AEROSTATICS  
  AEROTHERMODYNAMICS  
  ASTRODYNAMICS  
  BIODYNAMICS  
  CHIRAL DYNAMICS  
  COMPUTATIONAL FLUID DYNAMICS  
  CONTINUUM MECHANICS  
  DYNAMIC CHARACTERISTICS  
  DYNAMIC CONTROL  
  DYNAMIC LOADS  
  DYNAMIC MODELS  
  DYNAMIC MODULUS OF ELASTICITY  
  DYNAMIC PRESSURE  
  DYNAMIC PROGRAMMING  
  DYNAMIC RESPONSE  
  DYNAMIC STABILITY  
  DYNAMIC STRUCTURAL ANALYSIS  
  DYNAMIC TESTS  
  ELASTODYNAMICS  
  ELECTRODYNAMICS  
  EQUATIONS OF MOTION  
  FIELD THEORY (PHYSICS)  
  FLUID DYNAMICS  
  FLUID MECHANICS  
  GAS DYNAMICS  
  GEODYNAMICS  
  GROUP DYNAMICS  
  HAMILTONIAN FUNCTIONS  
  HEMODYNAMICS  
  HYDRODYNAMICS  
  KINEMATICS  
  KINETICS  
  MAGNETOHYDRODYNAMICS  
  ∞ MECHANICS (PHYSICS)  
  MOMENTUM  
  MOMENTUM TRANSFER  
  NUTATION  
  OCEAN DYNAMICS  
  PLASMA DYNAMICS  
  QUANTUM CHROMODYNAMICS

**DYNAMICS-(CONT.)**

RAREFIED GAS DYNAMICS  
RESONANT FREQUENCIES  
RESONANT VIBRATION  
SPIN DYNAMICS  
STABILIZERS (FLUID DYNAMICS)  
STATICS  
TERRADYNAMICS  
THERMODYNAMICS  
VARIATIONAL PRINCIPLES  
VELOCITY  
VIBRATION

**DYNAMICS EXPLORER SATELLITES**

GS ARTIFICIAL SATELLITES  
  . SCIENTIFIC SATELLITES  
  . EXPLORER SATELLITES  
  . **DYNAMICS EXPLORER SATELLITES**  
    . DYNAMICS EXPLORER 1  
      SATELLITE  
    . DYNAMICS EXPLORER 2  
      SATELLITE

**DYNAMICS EXPLORER 1 SATELLITE**

GS ARTIFICIAL SATELLITES  
  . SCIENTIFIC SATELLITES  
  . EXPLORER SATELLITES  
  . DYNAMICS EXPLORER SATELLITES  
    . **DYNAMICS EXPLORER 1**  
      SATELLITE

**DYNAMICS EXPLORER 2 SATELLITE**

GS ARTIFICIAL SATELLITES  
  . SCIENTIFIC SATELLITES  
  . EXPLORER SATELLITES  
  . DYNAMICS EXPLORER SATELLITES  
    . **DYNAMICS EXPLORER 2**  
      SATELLITE

**DYNAMITE**

GS EXPLOSIVES  
  . **DYNAMITE**  
RT NITROGLYCERIN

**DYNAMO THEORY**

RT EARTH CORE  
  GEOMAGNETISM  
  TELLURIC CURRENTS  
  ∞ THEORIES

**DYNAMOMETERS**

UF ELECTRODYNAMOMETERS  
GS ELECTRIC GENERATORS  
  . ROTATING GENERATORS  
  . **DYNAMOMETERS**  
  MEASURING INSTRUMENTS  
  . **DYNAMOMETERS**  
RT ERGOMETERS  
  MECHANICAL MEASUREMENT  
  ∞ TEST EQUIPMENT  
    THRUST MEASUREMENT  
    TORQUEMETERS

**DYNAMOS**

USE ROTATING GENERATORS

**DYNODES**

GS ELECTRODES  
  . **DYNODES**  
RT CAMERA TUBES  
  PHOTOMULTIPLIER TUBES  
  SECONDARY EMISSION

**DYSON THEORY**

RT HEISENBERG THEORY  
  QUANTUM MECHANICS  
  ∞ THEORIES

**DYSPNEA**

GS RATES (PER TIME)  
  . RESPIRATORY RATE  
  . **DYSPNEA**  
  SIGNS AND SYMPTOMS  
  . **DYSPNEA**

**DYSPROSIUM**

GS CHEMICAL ELEMENTS  
  . RARE EARTH ELEMENTS  
  . **DYSPROSIUM**  
  . DYSPROSIUM ISOTOPES  
  METALS  
  . RARE EARTH ELEMENTS  
  . **DYSPROSIUM**  
  . DYSPROSIUM ISOTOPES

## DYSPROSIUM COMPOUNDS

**DYSPROSIUM COMPOUNDS**  
 GS RARE EARTH COMPOUNDS  
   **DYSPROSIUM COMPOUNDS**  
 RT ∞ CHEMICAL COMPOUNDS  
   ∞ METAL COMPOUNDS

**DYSPROSIUM ISOTOPES**  
 UF DYSPROSIUM 161  
 GS RARE EARTH ELEMENTS  
   NUCLIDES  
   ISOTOPES  
   **DYSPROSIUM ISOTOPES**  
   RARE EARTH ELEMENTS  
   DYSPROSIUM  
   **DYSPROSIUM ISOTOPES**  
 METALS  
   RARE EARTH ELEMENTS  
   DYSPROSIUM  
   **DYSPROSIUM ISOTOPES**

**DYSPROSIUM 161**  
 USE DYSPROSIUM ISOTOPES

## E

**E GLASS**  
 GS GLASS  
   **E GLASS**  
   S GLASS  
 RT COMPOSITE MATERIALS  
   GLASS FIBER REINFORCED PLASTICS  
   GLASS FIBERS  
   SILICON DIOXIDE

**E LAYERS**  
 USE E REGION

**E REGION**  
 SN (ALTITUDE RANGE BETWEEN  
   APPROXIMATELY 90 AND 100 KM)  
 UF E LAYERS  
   NIGHT E LAYER  
 GS EARTH ATMOSPHERE  
   UPPER ATMOSPHERE  
   EARTH IONOSPHERE  
   **E REGION**  
   E-1 LAYER  
   E-2 LAYER  
   SPORADIC E LAYER  
 REGIONS  
   **E REGION**  
   E-1 LAYER  
   E-2 LAYER  
   SPORADIC E LAYER  
 RT LOWER IONOSPHERE  
   UPPER IONOSPHERE

**E-1 LAYER**  
 GS EARTH ATMOSPHERE  
   UPPER ATMOSPHERE  
   EARTH IONOSPHERE  
   **E REGION**  
   E-1 LAYER  
 REGIONS  
   **E REGION**  
   E-1 LAYER  
 RT SPORADIC E LAYER

**E-2 AIRCRAFT**  
 UF HAWKEYE AIRCRAFT  
   W2F AIRCRAFT  
 GS AWACS AIRCRAFT  
   **E-2 AIRCRAFT**  
   GRUMMAN AIRCRAFT  
   **E-2 AIRCRAFT**  
   JET AIRCRAFT  
   TURBOPROP AIRCRAFT  
   **E-2 AIRCRAFT**  
   OBSERVATION AIRCRAFT  
   **E-2 AIRCRAFT**  
 RT ∞ AIRCRAFT  
   COMMAND AND CONTROL  
   EARLY WARNING SYSTEMS  
   ∞ MILITARY AIRCRAFT  
   PASSENGER AIRCRAFT  
   TURBOPROP ENGINES

**E-2 LAYER**  
 GS EARTH ATMOSPHERE  
   UPPER ATMOSPHERE  
   EARTH IONOSPHERE

**E-2 LAYER-(CONT.)**  
   E REGION  
   **E-2 LAYER**  
 REGIONS  
   E REGION  
   **E-2 LAYER**  
 RT SPORADIC E LAYER

**E-3A AIRCRAFT**  
 GS AWACS AIRCRAFT  
   **E-3A AIRCRAFT**  
   BOEING AIRCRAFT  
   **E-3A AIRCRAFT**  
 RT ∞ AIRCRAFT  
   COMMAND AND CONTROL  
   EARLY WARNING SYSTEMS  
   ∞ MILITARY AIRCRAFT

**E-4A AIRCRAFT**  
 UF ADVANCED AIRBORNE COMMAND POST  
   BOEING 747B AIRCRAFT  
 GS AWACS AIRCRAFT  
   **E-4A AIRCRAFT**  
   BOEING AIRCRAFT  
   **E-4A AIRCRAFT**  
 RT ∞ AIRCRAFT  
   COMMAND AND CONTROL  
   EARLY WARNING SYSTEMS  
   ∞ MILITARY AIRCRAFT

**EAI 680 COMPUTER**  
 GS DATA PROCESSING EQUIPMENT  
   COMPUTERS  
   ANALOG COMPUTERS  
   **EAI 680 COMPUTER**  
   DIGITAL COMPUTERS  
   **EAI 680 COMPUTER**

**EAI 8400 COMPUTER**  
 GS DATA PROCESSING EQUIPMENT  
   COMPUTERS  
   DIGITAL COMPUTERS  
   **EAI 8400 COMPUTER**

**EAI 8900 COMPUTER**  
 GS DATA PROCESSING EQUIPMENT  
   COMPUTERS  
   DIGITAL COMPUTERS  
   **EAI 8900 COMPUTER**

**EAR**  
 GS ANATOMY  
   SENSE ORGANS  
   **EAR**  
   EARDRUMS  
   EUSTACHIAN TUBES  
   LABYRINTH  
   COCHLEA  
   CORTI ORGAN  
   OTOLITH ORGANS  
   SEMICIRCULAR CANALS  
   VESTIBULES  
   MIDDLE EAR  
 RT ARTIFICIAL EARS  
   AUDITORY PERCEPTION  
   ENDOLYMPH  
   HEARING  
   LABYRINTHECTOMY  
   MASTOIDS  
   OTOLARYNGOLOGY  
   OTOLOGY

**EAR PRESSURE TEST**  
 GS PHYSIOLOGICAL TESTS  
   **EAR PRESSURE TEST**  
 RT MIDDLE EAR PRESSURE  
   PRESSURE  
   VERTIGO  
   VESTIBULAR TESTS

**EAR PROTECTORS**  
 GS PROTECTORS  
   **EAR PROTECTORS**  
 RT NOISE INJURIES  
   NOISE REDUCTION

**EARDRUMS**  
 GS ANATOMY  
   SENSE ORGANS  
   **EAR**  
   EARDRUMS  
 RT EUSTACHIAN TUBES  
   MIDDLE EAR PRESSURE  
   SEMICIRCULAR CANALS

**EARLY APOLLO SURFACE EXPERIMENTS PACKAGE**  
 USE EASEP

**EARLY BIRD SATELLITES**  
 GS ARTIFICIAL SATELLITES  
   ACTIVE SATELLITES  
   SYNCOM SATELLITES  
   **EARLY BIRD SATELLITES**  
   COMMUNICATION SATELLITES  
   SYNCOM SATELLITES  
   **EARLY BIRD SATELLITES**  
   SYNCHRONOUS SATELLITES  
   SYNCOM SATELLITES  
   **EARLY BIRD SATELLITES**  
 RT ATS  
   COMSAT PROGRAM

**EARLY STARS**  
 GS CELESTIAL BODIES  
   STARS  
   **EARLY STARS**  
   HOT STARS  
   A STARS  
   B STARS  
   SIGMA ORIONIS  
   BLUE STARS  
   O STARS  
   WHITE DWARF STARS  
   WOLF-RAYET STARS  
 RT LATE STARS  
   MAIN SEQUENCE STARS  
   STAR FORMATION

**EARLY WARNING SYSTEMS**  
 GS WARNING SYSTEMS  
   **EARLY WARNING SYSTEMS**  
   BALLISTIC MISSILE EARLY WARNING  
   SYSTEM  
 RT AIR DEFENSE  
   AWACS AIRCRAFT  
   COBRA DANE (RADAR)  
   DETECTION  
   E-2 AIRCRAFT  
   E-3A AIRCRAFT  
   E-4A AIRCRAFT  
   MISSILE DETECTION  
   OVER-THE-HORIZON RADAR  
   RADAR TARGETS  
   RADAR TRACKING  
   SYNCHRONOUS EARTH OBSERVATORY  
   SATELLITE  
   ∞ SYSTEMS  
   WARNING

**EARPHONES**  
 UF HEADSETS  
 GS AUDIO EQUIPMENT  
   **EARPHONES**  
 RT ACOUSTICS  
   AUDITORY PERCEPTION  
   INTERPHONES  
   SOUND TRANSMISSION  
   TELEPHONES

**EARTH (PLANET)**  
 UF WORLD  
 GS CELESTIAL BODIES  
   PLANETS  
   TERRESTRIAL PLANETS  
   **EARTH (PLANET)**  
 RT EASTERN HEMISPHERE  
   GEODESY  
   GEOELECTRICITY  
   GEOGRAPHY  
   GEOLOGY  
   GEOMAGNETISM  
   GEOPHYSICS  
   ∞ GLOBES  
   PLANETARY CRATERS  
   POLAR CAPS  
   TERRESTRIAL RADIATION  
   WESTERN HEMISPHERE

**EARTH & OCEAN PHYSICS APPLICATIONS PROGRAM**  
 UF EOPAP  
 GS PROGRAMS  
   NASA PROGRAMS  
   NASA SPACE PROGRAMS  
   **EARTH & OCEAN PHYSICS**  
   APPLICATIONS PROGRAM  
   PROJECTS  
   **EARTH & OCEAN PHYSICS**  
   APPLICATIONS PROGRAM

## EARTH MOVEMENTS

### EARTH & OCEAN PHYSICS-(CONT.)

- . SPACE PROGRAMS
- . NASA SPACE PROGRAMS
- . . . **EARTH & OCEAN PHYSICS APPLICATIONS PROGRAM**
- RT OCEANOGRAPHY
- ∞ RESEARCH PROJECTS

### EARTH ALBEDO

- GS ALBEDO
- . **EARTH ALBEDO**
- RT ABSORPTANCE
- COSMIC RAY ALBEDO
- EARTH RADIATION BUDGET
- EARTH RADIATION BUDGET EXPERIMENT
- EBERT SPECTROMETERS
- LUNAR ALBEDO
- REFLECTANCE
- TERRESTRIAL RADIATION

### EARTH ATMOSPHERE

- GS **EARTH ATMOSPHERE**
- . CHEMOSPHERE
- . FREE ATMOSPHERE
- . HETEROSPHERE
- . HOMOSPHERE
- . LOWER ATMOSPHERE
- . . . TROPOSPHERE
- . . . TROPOPAUSE
- . MIDDLE ATMOSPHERE
- . . . MESOSPHERE
- . . . MESOPAUSE
- . . . STRATOSPHERE
- . . . OZONOSPHERE
- . . . STRATOPAUSE
- . MIDLATITUDE ATMOSPHERE
- . PRIMITIVE EARTH ATMOSPHERE
- . UPPER ATMOSPHERE
- . . EARTH IONOSPHERE
- . . . E REGION
- . . . . E-1 LAYER
- . . . . E-2 LAYER
- . . . . SPORADIC E LAYER
- . . . LOWER IONOSPHERE
- . . . . D REGION
- . . . UPPER IONOSPHERE
- . . . . F REGION
- . . . . F 1 REGION
- . . . . F 2 REGION
- . . . EXOSPHERE
- . . . THERMOSPHERE
- . . . TURBOPAUSE
- RT ACOUSTIC SOUNDING
- AEROSPACE ENVIRONMENTS
- AIR
- AIR POLLUTION
- AIR QUALITY
- AIRGLOW
- ∞ ATMOSPHERES
- ATMOSPHERIC CIRCULATION
- ATMOSPHERIC COMPOSITION
- ATMOSPHERIC ELECTRICITY
- ATMOSPHERIC ENTRY
- ATMOSPHERIC GENERAL CIRCULATION EXPERIMENT
- AURORAS
- BIOASTRONAUTICS
- EARTH MAGNETOSPHERE
- ENVIRONMENTS
- GEOPOTENTIAL HEIGHT
- GLOBAL AIR POLLUTION
- GREENHOUSE EFFECT
- METEOR TRAILS
- OPEN PROJECT
- PLANETARY ATMOSPHERES
- PLASMASPHERE
- RADIATION BELTS
- SATELLITE ATMOSPHERES
- SCALE HEIGHT
- SUPERROTATION
- TELECONNECTIONS (METEOROLOGY)
- WEATHERING

### EARTH AXIS

- GS AXES (REFERENCE LINES)
- . AXES OF ROTATION
- . . **EARTH AXIS**
- RT COORDINATES
- EARTH ORIENTATION
- GEODESY
- POLAR WANDERING (GEOLOGY)

### EARTH CORE

- GS CORES

### EARTH CORE-(CONT.)

- . PLANETARY CORES
- . . **EARTH CORE**
- LITHOSPHERE
- . **EARTH CORE**
- RT DYNAMO THEORY
- GEOPHYSICAL FLUIDS
- STRUCTURAL PROPERTIES (GEOLOGY)

### EARTH CRUST

- UF CRUSTAL DYNAMICS
- GS CRUSTS
- . PLANETARY CRUSTS
- . . **EARTH CRUST**
- LITHOSPHERE
- . **EARTH CRUST**
- RT COESITE
- CONTINENTAL DRIFT
- CORE SAMPLING
- CRATONS
- CRUSTAL FRACTURES
- EARTH MANTLE
- EARTHQUAKE DAMAGE
- FOLDS (GEOLOGY)
- LUNAR CRUST
- MASSIFS
- PLATES (TECTONICS)
- SAN ANDREAS FAULT
- STISHOVITE
- STRUCTURAL PROPERTIES (GEOLOGY)

### EARTH CURRENTS

- USE TELLURIC CURRENTS

### EARTH ENERGY BUDGET EXPERIMENT

- USE LZEEDS SATELLITE

### EARTH ENVIRONMENT

- GS ENVIRONMENTS
- . **EARTH ENVIRONMENT**
- RT AIR POLLUTION
- ARID LANDS
- DESERTIFICATION
- MAGNETOSHEATH

### EARTH FIGURE

- USE GEODESY

### EARTH GRAVITATION

- GS GRAVITATION
- . **EARTH GRAVITATION**
- RT GEOMAGNETISM
- GEOPOTENTIAL
- GEOPOTENTIAL HEIGHT
- GRAVITATIONAL FIELDS
- GRAVITY ANOMALIES

### EARTH HYDROSPHERE

- UF HYDROSPHERE (EARTH)
- RT BIOSPHERE
- HYDROLOGICAL CYCLE
- HYDROLOGY
- LAKES
- LIMNOLOGY
- OCEANS
- SEAS

### EARTH IONOSPHERE

- SN (ALTITUDES ABOVE APPROXIMATELY 50 KM)
- GS EARTH ATMOSPHERE
- . UPPER ATMOSPHERE
- . . **EARTH IONOSPHERE**
- . . . E REGION
- . . . . E-1 LAYER
- . . . . E-2 LAYER
- . . . . SPORADIC E LAYER
- . . . LOWER IONOSPHERE
- . . . . D REGION
- . . . UPPER IONOSPHERE
- . . . . F REGION
- . . . . F 1 REGION
- . . . . F 2 REGION
- RT ATMOSPHERIC IONIZATION
- CHEMOSPHERE
- EARTH MAGNETOSPHERE
- ELECTROJETS
- EXOSPHERE
- HETEROSPHERE
- HOMOSPHERE
- INTASAT SATELLITE
- ION CONCENTRATION
- ION DENSITY (CONCENTRATION)
- ∞ IONOSPHERES
- IONOSPHERIC PROPAGATION

### EARTH IONOSPHERE-(CONT.)

- IONOSPHERIC STORMS
- ∞ LAYERS
- MAGNETOSPHERE-IONOSPHERE COUPLING
- MESOSPHERE
- MIDLATITUDE ATMOSPHERE REGIONS
- SATELLITE ATMOSPHERES
- SHEAR LAYERS
- THERMOSPHERE

### EARTH LIMB

- RT ASTRONOMY
- LIBRATION
- ∞ LIMBS
- PLANETARY LIMB

### EARTH MAGNETOSPHERE

- GS ENVIRONMENTS
- . **EARTH MAGNETOSPHERE**
- . . GEOMAGNETIC TAIL
- . . MAGNETOPAUSE
- . . MAGNETOSHEATH
- RT AMPTE (SATELLITES)
- BARIUM ION CLOUDS
- CHAPMAN-FERRARO PROBLEM
- COROTATION
- EARTH ATMOSPHERE
- EARTH IONOSPHERE
- EXOSPHERE
- GEOMAGNETIC HOLLOW
- GEOMAGNETISM
- GEOS SATELLITES (ESA)
- HETEROSPHERE
- INTERNATIONAL MAGNETOSPHERIC EXPLORER
- INTERNATIONAL MAGNETOSPHERIC STUDY
- KP INDEX
- MAGNETIC FIELDS
- MAGNETOSPHERE-IONOSPHERE COUPLING
- ∞ MAGNETOSPHERES
- NEUTRAL SHEETS
- OPEN PROJECT
- PLANETARY MAGNETOSPHERES
- PLASMA CLOUDS
- PLASMAPAUSE
- PLASMASPHERE
- POLAR CUSPS
- RADIATION BELTS
- RADIATION TRAPPING
- SATELLITE ATMOSPHERES
- SCREEN EFFECT
- SOLAR PLANETARY INTERACTIONS
- SOLAR TERRESTRIAL INTERACTIONS
- SOLAR WIND VELOCITY
- SPACE PLASMAS
- THERMOSPHERE

### EARTH MANTLE

- UF MANTLE (EARTH STRUCTURE)
- GS LITHOSPHERE
- . **EARTH MANTLE**
- PLANETARY MANTLES
- . **EARTH MANTLE**
- RT COESITE
- EARTH CRUST
- LUNAR MANTLE
- PLATES (TECTONICS)
- REGOLITH
- STISHOVITE
- STRUCTURAL PROPERTIES (GEOLOGY)
- SUBDUCTION (GEOLOGY)

### ∞ EARTH MOTION

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT EARTH MOVEMENTS
- EARTH ORIENTATION
- EARTH ROTATION
- POLAR WANDERING (GEOLOGY)
- SOLAR ORBITS

### EARTH MOVEMENTS

- GS **EARTH MOVEMENTS**
- . EARTHQUAKES
- . LANDSLIDES
- RT AVALANCHES
- CREVASSES
- CRUSTAL FRACTURES
- ∞ EARTH MOTION
- EARTHQUAKE DAMAGE

## EARTH OBSERVATIONS (FROM SPACE)

### EARTH MOVEMENTS-(CONT.)

GEODYNAMICS  
LARGE APERTURE SEISMIC ARRAY  
SEISMIC WAVES  
SEISMOLOGY  
TECTONICS  
TSUNAMI WAVES

### EARTH OBSERVATIONS (FROM SPACE)

GS OBSERVATION  
    . EARTH OBSERVATIONS (FROM SPACE)  
        . . . SATELLITE OBSERVATION  
        . . . SPOT (FRENCH SATELLITE)  
RT AERIAL PHOTOGRAPHY  
DATA ACQUISITION  
EARTH OBSERVING SYSTEM (EOS)  
EARTHNET  
FEATURE IDENTIFICATION AND  
    LOCATION EXPER  
INTERNATIONAL  
    GEOSPHERE-BIOSPHERE PROGRAM  
LANDSAT SATELLITES  
MULTISPECTRAL BAND SCANNERS  
MULTISPECTRAL PHOTOGRAPHY  
PHOTOGRAPHY

### EARTH OBSERVING SYSTEM (EOS)

RT EARTH OBSERVATIONS (FROM SPACE)  
INFORMATION SYSTEMS  
REMOTE SENSING  
SPACE PLATFORMS  
SPACE STATION PAYLOADS  
SPACE STATION POLAR PLATFORMS

### EARTH ORBITAL ENVIRONMENTS

UF GEO ENVIRONMENTS  
GEOSYNCHRONOUS EARTH ORBITAL  
    ENVIRONMENTS  
LEO ENVIRONMENTS  
LOW EARTH ORBITAL ENVIRONMENTS  
GS ENVIRONMENTS  
    . AEROSPACE ENVIRONMENTS  
    . . EARTH ORBITAL ENVIRONMENTS  
    . . . EXTRATERRESTRIAL ENVIRONMENTS  
    . . . EARTH ORBITAL ENVIRONMENTS  
RT EXTRATERRESTRIAL RADIATION  
SPACECRAFT GLOW

### EARTH ORBITAL RENDEZVOUS

UF EOR (RENDEZVOUS)  
GS MANEUVERS  
    . ORBITAL RENDEZVOUS  
    . . EARTH ORBITAL RENDEZVOUS  
    RENDEZVOUS  
    . SPACE RENDEZVOUS  
    . . ORBITAL RENDEZVOUS  
    . . . EARTH ORBITAL RENDEZVOUS  
RT LUNAR ORBITAL RENDEZVOUS  
ORBITAL MECHANICS  
RENDEZVOUS TRAJECTORIES  
SPACECRAFT TRAJECTORIES  
TRANSFER ORBITS

### EARTH ORBITING SPACE STATIONS

USE SPACE STATIONS

### EARTH ORBITS

SN (ORBITS AROUND THE EARTH)  
GS ORBITS  
    . EARTH ORBITS  
    . . APOGEES  
    . . PERIGEEES  
RT APOLLO ASTEROIDS  
CIRCULAR ORBITS  
CIRCULUNAR TRAJECTORIES  
ELLIPTICAL ORBITS  
EQUATORIAL ORBITS  
HANSEN LUNAR THEORY  
HILL LUNAR THEORY  
HILL METHOD  
LUNAR ORBITS  
ORBITAL LIFETIME  
ORBITAL MECHANICS  
PARKING ORBITS  
PLANETARY ORBITS  
POLAR ORBITS  
SATELLITE ORBITS  
SPACECRAFT ORBITS  
STATIONARY ORBITS  
TRANSFER ORBITS  
TWENTY-FOUR HOUR ORBITS

### EARTH ORIENTATION

RT EARTH AXIS

### EARTH ORIENTATION-(CONT.)

∞ EARTH MOTION  
EARTH ROTATION  
NUTATION  
POLAR WANDERING (GEOLOGY)  
PRECESSION

### EARTH PLANETARY STRUCTURE

RT CONTINENTAL DRIFT  
GEOLOGY  
GEOPHYSICS  
HYDROLOGY  
LITHOSPHERE  
OCEANOGRAPHY  
PLANETARY COMPOSITION  
PLANETARY STRUCTURE  
PLATES (TECTONICS)  
PRIMITIVE EARTH ATMOSPHERE  
STRUCTURAL PROPERTIES (GEOLOGY)  
∞ STRUCTURES  
TECTONICS

### EARTH RADIATION

USE TERRESTRIAL RADIATION

### EARTH RADIATION BUDGET

GS ENERGY BUDGETS  
    . EARTH RADIATION BUDGET  
RT ATMOSPHERIC HEAT BUDGET  
ATMOSPHERIC RADIATION  
∞ BUDGETS  
    EARTH ALBEDO  
    EARTH RADIATION BUDGET  
        EXPERIMENT  
    HEAT BUDGET  
    TERRESTRIAL RADIATION

### EARTH RADIATION BUDGET EXPERIMENT

UF ERBE  
GS PAYLOADS  
    . SPACE SHUTTLE PAYLOADS  
    . . EARTH RADIATION BUDGET  
    EXPERIMENT  
RT ALBEDO  
EARTH ALBEDO  
EARTH RADIATION BUDGET  
∞ RADIATION  
RADIATION MEASURING INSTRUMENTS  
TERRESTRIAL RADIATION

### EARTH RESOURCES

GS RESOURCES  
    . EARTH RESOURCES  
    . . FORESTS  
    . . . RAIN FORESTS  
    . . FOSSIL FUELS  
    . . . COAL  
    . . . ANTHRACITE  
    . . . LIGNITE  
    . . . SOLVENT REFINED COAL  
    . . . CRUDE OIL  
    . . . NATURAL GAS  
    . . . PEAT  
    . . GLACIERS  
    . . ICEBERGS  
    . . KEROGEN  
    . . LAND ICE  
    . . MARINE RESOURCES  
    . . OIL FIELDS  
    . . RANGE RESOURCES  
    . . SPRINGS (WATER)  
    . . TAR SANDS  
    . . THERMAL RESOURCES  
    . . . GEOTHERMAL RESOURCES  
    . . . GEYSERS  
    . . UNDERWATER RESOURCES  
    . . WATER RESOURCES  
    . . . AQUIFERS  
RT ALFALFA  
ARID LANDS  
BALTIC SHIELD (EUROPE)  
BEDROCK  
BIRDS  
BRUSH (BOTANY)  
CHAPARRAL  
COASTAL ECOLOGY  
COASTAL PLAINS  
CORN  
COTTON  
CROP GROWTH  
CROP IDENTIFICATION  
DECIDUOUS TREES  
DESERTS  
EARTHNET  
ENERGY POLICY

### EARTH RESOURCES-(CONT.)

ENERGY TECHNOLOGY  
ENVIRONMENT MANAGEMENT  
ENVIRONMENT POLLUTION  
ENVIRONMENTAL SURVEYS  
EROS (SATELLITES)  
FARM CROPS  
FARMLANDS  
FISHES  
FLATS (LANDFORMS)  
∞ FOOD  
FOREST MANAGEMENT  
GEOGRAPHIC APPLICATIONS PROGRAM  
GEOTHERMAL ENERGY CONVERSION  
GRAINS (FOOD)  
GRANITE  
GRASSLANDS  
GREAT BASIN (US)  
GREAT LAKES (NORTH AMERICA)  
GREAT SALT LAKE (UT)  
GROUND WATER  
HABITATS  
HAY  
ICE MAPPING  
IMAGERY  
KETTLES (GEOLOGY)  
KEYS (ISLANDS)  
LAND USE  
LARGE AREA CROP INVENTORY  
EXPERIMENT  
LAVA  
LEGUMINOUS PLANTS  
LIMESTONE  
MAMMALS  
MARSHLANDS  
MILLET  
MINERAL DEPOSITS  
MINERALS  
MISSISSIPPI RIVER (US)  
NASA INTERACTIVE PLANNING SYSTEM  
OATS  
OCEANOGRAPHY  
PHOTOGRAPHY  
PHOTOMAPPING  
PLANTS (BOTANY)  
RECONNAISSANCE  
REGOLITH  
REMOTE SENSING  
REMOTE SENSORS  
RESOURCES MANAGEMENT  
RIVERS  
ROCKS  
RURAL LAND USE  
SANDS  
SANDSTONES  
SCANNING  
SHALES  
SOILS  
SORGHUM  
SPACEBORNE PHOTOGRAPHY  
SPECTRAL RECONNAISSANCE  
SPOT (FRENCH SATELLITE)  
STRIP MINING  
SUGAR BEETS  
SUGAR CANE  
SUNFLOWERS  
SURFACE WATER  
SURVEILLANCE  
TERRAIN ANALYSIS  
THERMAL MAPPING  
TIDEPOWER  
TIMBER IDENTIFICATION  
TIMBER INVENTORY  
TRIBUTARIES  
VEGETATION  
VINEYARDS  
WATERWAVE ENERGY  
WATERWAVE ENERGY CONVERSION  
WHARVES  
WINDPOWER UTILIZATION

### EARTH RESOURCES EXPERIMENT PACKAGE

USE EREP

### EARTH RESOURCES INFORMATION SYSTEM

GS INFORMATION SYSTEMS  
    . EARTH RESOURCES INFORMATION  
    SYSTEM  
RT DATA SYSTEMS  
NASA PROGRAMS  
PROGRAMS  
SKYLAB PROGRAM  
∞ SYSTEMS

# EARTHQUAKES

## EARTH RESOURCES OBSERVATION SATELLITES

USE EROS (SATELLITES)

## EARTH RESOURCES PROGRAM

GS PROGRAMS  
 . NASA PROGRAMS  
 . . NASA SPACE PROGRAMS  
 . . . EARTH RESOURCES PROGRAM  
 . . . . EARTH RESOURCES SURVEY PROGRAM  
 . . . . . SEASAT PROGRAM  
 . . . . . SPACE PROGRAMS  
 . . . . . NASA SPACE PROGRAMS  
 . . . . . EARTH RESOURCES PROGRAM  
 . . . . . EARTH RESOURCES SURVEY PROGRAM  
 . . . . . SEASAT PROGRAM  
 RT APOLLO APPLICATIONS PROGRAM  
 CHANGE DETECTION  
 GEOGRAPHIC APPLICATIONS PROGRAM  
 INFRARED RADIOMETERS  
 LARGE AREA CROP INVENTORY  
 EXPERIMENT  
 PLANT STRESS  
 SATELLITE OBSERVATION  
 SKYLAB PROGRAM

## EARTH RESOURCES SHUTTLE IMAGING RADAR

GS RADAR  
 . PULSE RADAR  
 . . PULSE DOPPLER RADAR  
 . . . EARTH RESOURCES SHUTTLE IMAGING RADAR  
 RT RADAR IMAGERY  
 SYNTHETIC ARRAYS

## EARTH RESOURCES SURVEY AIRCRAFT

GS RECONNAISSANCE AIRCRAFT  
 . EARTH RESOURCES SURVEY AIRCRAFT  
 RT AERIAL PHOTOGRAPHY  
 AERIAL RECONNAISSANCE  
 ∞ AIRCRAFT  
 PHOTO GEOLOGY  
 PHOTORECONNAISSANCE

## EARTH RESOURCES SURVEY PROGRAM

GS PROGRAMS  
 . NASA PROGRAMS  
 . . NASA SPACE PROGRAMS  
 . . . EARTH RESOURCES PROGRAM  
 . . . . EARTH RESOURCES SURVEY PROGRAM  
 . . . . . SEASAT PROGRAM  
 . . . . . SPACE PROGRAMS  
 . . . . . NASA SPACE PROGRAMS  
 . . . . . EARTH RESOURCES PROGRAM  
 . . . . . EARTH RESOURCES SURVEY PROGRAM  
 . . . . . SEASAT PROGRAM  
 RT APOLLO APPLICATIONS PROGRAM  
 SKYLAB PROGRAM

## EARTH RESOURCES TECHNOLOGY SATELLITE B

USE LANDSAT 2

## EARTH RESOURCES TECHNOLOGY SATELLITE C

USE LANDSAT 3

## EARTH RESOURCES TECHNOLOGY SATELLITE D

USE LANDSAT 4

## EARTH RESOURCES TECHNOLOGY SATELLITE E

USE LANDSAT E

## EARTH RESOURCES TECHNOLOGY SATELLITE F

USE LANDSAT F

## EARTH RESOURCES TECHNOLOGY SATELLITE 1

USE LANDSAT 1

## EARTH RESOURCES TECHNOLOGY SATELLITES

USE LANDSAT SATELLITES

## EARTH ROTATION

GS GYRATION  
 . ROTATION  
 . . EARTH ROTATION  
 RT ∞ EARTH MOTION  
 EARTH ORIENTATION  
 SIDEREAL TIME  
 SUPERROTATION

## EARTH SHAPE

USE GEODESY

## EARTH SURFACE

GS LITHOSPHERE  
 . EARTH SURFACE  
 RT CRATONS  
 CRUSTAL FRACTURES  
 EQUATORIAL REGIONS  
 GEODETIC ACCURACY  
 MARSHLANDS  
 OCEAN SURFACE  
 PLANETARY SURFACES  
 STRUCTURAL PROPERTIES (GEOLOGY)  
 ∞ SURFACES  
 TERRADYNAMICS  
 TOPOGRAPHY

## EARTH TERMINAL MEASUREMENT SYSTEM

RT COMMUNICATION SATELLITES  
 ELECTROMAGNETIC MEASUREMENT  
 ELECTRONIC EQUIPMENT TESTS  
 GROUND SUPPORT EQUIPMENT  
 ∞ MEASUREMENT  
 RADIO RELAY SYSTEMS  
 ∞ SYSTEMS  
 ∞ TEST EQUIPMENT

## EARTH TERMINALS

GS STATIONS  
 . GROUND STATIONS  
 . . EARTH TERMINALS  
 RT CARRIER TO NOISE RATIOS  
 COMMUNICATION EQUIPMENT  
 RADIO RELAY SYSTEMS  
 SATELLITE COMMUNICATION  
 SATELLITE TRANSMISSION  
 SPACECRAFT COMMUNICATION  
 TELEVISION SYSTEMS

## EARTH TIDES

GS TIDES  
 . EARTH TIDES  
 RT ATMOSPHERIC TIDES  
 LUNAR TIDES

## EARTH VIEWING APPLICATIONS LABORATORY

UF EVAL  
 GS LABORATORIES  
 . SPACE LABORATORIES  
 . . EARTH VIEWING APPLICATIONS LABORATORY  
 PAYLOADS  
 . SPACE SHUTTLE PAYLOADS  
 . . EARTH VIEWING APPLICATIONS LABORATORY  
 RT SAIL PROJECT

## EARTH-MARS TRAJECTORIES

GS TRAJECTORIES  
 . SPACECRAFT TRAJECTORIES  
 . . INTERPLANETARY TRAJECTORIES  
 . . . EARTH-MARS TRAJECTORIES  
 RT ELLIPTICAL ORBITS  
 ORBITAL MECHANICS  
 TRANSFER ORBITS

## EARTH-MERCURY TRAJECTORIES

GS TRAJECTORIES  
 . SPACECRAFT TRAJECTORIES  
 . . INTERPLANETARY TRAJECTORIES  
 . . . EARTH-MERCURY TRAJECTORIES  
 RT ELLIPTICAL ORBITS  
 ORBITAL MECHANICS  
 TRANSFER ORBITS

## EARTH-MOON SYSTEM

RT CHARON  
 GRAVITATIONAL FIELDS  
 GRAVITATIONAL WAVES  
 LUNAR RETROREFLECTORS  
 MOON  
 NATURAL SATELLITES  
 ORBITAL MECHANICS  
 SOLAR SYSTEM  
 ∞ SYSTEMS  
 TWO BODY PROBLEM

## EARTH-MOON TRAJECTORIES

GS TRAJECTORIES  
 . SPACECRAFT TRAJECTORIES  
 . . LUNAR TRAJECTORIES  
 . . . EARTH-MOON TRAJECTORIES  
 RT APOLLO 5 FLIGHT

## EARTH-MOON TRAJECTORIES-(CONT.)

APOLLO 6 FLIGHT  
 APOLLO 7 FLIGHT  
 APOLLO 8 FLIGHT  
 APOLLO 9 FLIGHT  
 APOLLO 10 FLIGHT  
 APOLLO 11 FLIGHT  
 APOLLO 12 FLIGHT  
 APOLLO 13 FLIGHT  
 APOLLO 14 FLIGHT  
 APOLLO 15 FLIGHT  
 APOLLO 16 FLIGHT  
 APOLLO 17 FLIGHT  
 CIRCUMLUNAR TRAJECTORIES  
 CIRCUMLUNAR SPACE  
 INTERPLANETARY TRAJECTORIES  
 LUNAR FLIGHT  
 LUNAR ORBITS  
 MOON-EARTH TRAJECTORIES  
 PARKING ORBITS  
 RENDEZVOUS TRAJECTORIES  
 ROUND TRIP TRAJECTORIES  
 TRANSFER ORBITS

## EARTH-VENUS TRAJECTORIES

GS TRAJECTORIES  
 . SPACECRAFT TRAJECTORIES  
 . . EARTH-VENUS TRAJECTORIES  
 RT ∞ ASTRONAUTICS  
 FLIGHT OPTIMIZATION  
 INTERPLANETARY FLIGHT  
 INTERPLANETARY TRAJECTORIES  
 ∞ MISSIONS  
 ORBITS  
 SPACE MISSIONS  
 SPACE NAVIGATION  
 SPACECRAFT REENTRY  
 TRANSFER ORBITS

## EARTHNET

RT EARTH OBSERVATIONS (FROM SPACE)  
 EARTH RESOURCES  
 ESA SATELLITES  
 EUROPEAN SPACE PROGRAMS  
 LANDSAT SATELLITES  
 REMOTE SENSORS  
 SYNTHETIC APERTURE RADAR

## EARTHQUAKE DAMAGE

GS DAMAGE  
 . EARTHQUAKE DAMAGE  
 RT EARTH CRUST  
 EARTH MOVEMENTS  
 GEOLOGICAL FAULTS  
 MICROSEISMS  
 SEISMIC ENERGY  
 SEISMIC WAVES  
 SEISMOLOGY  
 SHOCK WAVES  
 TSUNAMI WAVES

## EARTHQUAKE RESISTANCE

GS MECHANICAL PROPERTIES  
 . EARTHQUAKE RESISTANCE  
 RT CRUSTAL FRACTURES  
 EARTHQUAKES  
 FRACTURE STRENGTH  
 IMPACT STRENGTH  
 LANDFORMS  
 ∞ RESISTANCE  
 SEISMIC WAVES  
 SHOCK RESISTANCE  
 SHOCK WAVES  
 TREMORS

## EARTHQUAKE RESISTANT STRUCTURES

RT CONCRETE STRUCTURES  
 ELASTIC BENDING  
 ∞ ELASTIC SYSTEMS  
 SEISMIC WAVES  
 SHOCK WAVES  
 STRUCTURAL VIBRATION  
 ∞ STRUCTURES

## EARTHQUAKES

GS EARTH MOVEMENTS  
 . EARTHQUAKES  
 RT CRUSTAL FRACTURES  
 EARTHQUAKE RESISTANCE  
 GEOLOGICAL FAULTS  
 LARGE APERTURE SEISMIC ARRAY  
 MICROSEISMS  
 PLANETARY QUAKES  
 PLATES (TECTONICS)  
 ROUSE BELTS

## EASEP

### EARTHQUAKES-(CONT.)

SAN ANDREAS FAULT  
SAN ANDREAS FAULT EXPERIMENT  
SEISMIC WAVES  
SEISMOLOGY  
SHOCK WAVES  
SUBDUCTION (GEOLOGY)  
TREMORS  
TSUNAMI WAVES

### EASEP

UF EARLY APOLLO SURFACE EXPERIMENTS  
PACKAGE  
GS PACKAGES  
INSTRUMENT PACKAGES  
EASEP  
RT ∞ INSTRUMENTS  
LUNAR EXPLORATION  
PAYLOADS  
∞ SURFACES

### EAST GERMANY

UF GERMAN DEMOCRATIC REPUBLIC  
PEOPLES DEMOCRATIC REPUBLIC OF  
GERMANY  
GS NATIONS  
EAST GERMANY  
RT CENTRAL EUROPE  
EUROPE  
∞ GERMANY  
WEST GERMANY

### EAST PAKISTAN

USE BANGLADESH

### EASTERN HEMISPHERE

RT EARTH (PLANET)  
GEOGRAPHY  
∞ HEMISPHERES  
WESTERN HEMISPHERE

### EATING

GS INGESTION (BIOLOGY)  
EATING  
RT DIGESTING  
∞ FOOD  
MASTICATION  
SPACE FLIGHT FEEDING  
SWALLOWING  
SYNTHETIC FOOD

### EBERT SPECTROMETERS

GS MEASURING INSTRUMENTS  
OPTICAL MEASURING INSTRUMENTS  
EBERT SPECTROMETERS  
RADIATION MEASURING INSTRUMENTS  
EBERT SPECTROMETERS  
SPECTROMETERS  
EBERT SPECTROMETERS  
OPTICAL EQUIPMENT  
OPTICAL MEASURING INSTRUMENTS  
EBERT SPECTROMETERS  
RT EARTH ALBEDO  
FILTER WHEEL INFRARED  
SPECTROMETERS  
INFRARED SPECTROMETERS  
ULTRAVIOLET SPECTROMETERS

### EBF

USE EXTERNALLY BLOWN FLAPS

### EBR-1 REACTOR

USE EXPERIMENTAL BREEDER REACTOR 1

### EBR-2 REACTOR

USE EXPERIMENTAL BREEDER REACTOR 2

### EBULLITION

USE BOILING

### EBWR (REACTOR)

USE EXPERIMENTAL BOILING WATER  
REACTORS

### EC-121 AIRCRAFT

UF R7V AIRCRAFT  
WARNING STAR AIRCRAFT  
GS LOCKHEED AIRCRAFT  
EC-121 AIRCRAFT  
MONOPLANES  
EC-121 AIRCRAFT  
TRANSPORT AIRCRAFT  
EC-121 AIRCRAFT  
RT ∞ AIRCRAFT

### EC-121 AIRCRAFT-(CONT.)

C-121 AIRCRAFT

### ECCENTRIC GEOPHYSICAL OBSERVATORY

USE EGO

### ECCENTRIC ORBIT GEOPHYSICAL OBSERVATORY

USE EGO

### ECCENTRIC ORBITS

GS ORBITS  
ECCENTRIC ORBITS  
RT CIRCULAR ORBITS  
ELLIPTICAL ORBITS  
EXOSAT SATELLITE  
LISSAJOUS FIGURES

### ECCENTRICITY

RT ABNORMALITIES  
ASYMMETRY  
BALANCING  
CONCENTRICITY  
DEVIATION  
ELLIPTICITY  
ELONGATION  
SKEWNESS  
SYMMETRY  
VARIABILITY  
VARIATIONS

### ECCENTRICS

UF CRANKS  
RT CAMS  
LINKAGES

### ECHELETTE GRATINGS

GS GRATINGS (SPECTRA)  
ECHELETTE GRATINGS  
RT DIFFRACTION  
REFLECTION

### ECHOLON FAULTS

USE GEOLOGICAL FAULTS

### ECHO PROJECT

GS PROGRAMS  
NASA PROGRAMS  
NASA SPACE PROGRAMS  
ECHO PROJECT  
PROJECTS  
ECHO PROJECT  
SPACE PROGRAMS  
NASA SPACE PROGRAMS  
ECHO PROJECT  
RT COMMUNICATION SATELLITES  
PASSIVE SATELLITES

### ECHO SATELLITES

GS ARTIFICIAL SATELLITES  
PASSIVE SATELLITES  
ECHO SATELLITES  
ECHO 1 SATELLITE  
ECHO 2 SATELLITE  
RT AGENA B ROCKET VEHICLE  
AGENA ROCKET VEHICLES

### ECHO SOUNDING

GS SOUNDING  
ECHO SOUNDING  
RT DEEP SCATTERING LAYERS  
DEPTH MEASUREMENT  
ECHOES  
NAVIGATION AIDS  
SONAR  
SOUND LOCALIZATION  
SOUND RANGING  
UNDERWATER ACOUSTICS

### ECHO SUPPRESSORS

GS CIRCUITS  
ECHO SUPPRESSORS  
SUPPRESSORS  
ECHO SUPPRESSORS  
RT NOISE REDUCTION  
PULSE RADAR  
RADIOTELEPHONES  
SONAR  
SWITCHES  
TELEPHONY  
VOICE COMMUNICATION

### ECHO 1 CARRIER ROCKET

USE THOR DELTA LAUNCH VEHICLE

### ECHO 1 SATELLITE

UF A-11 SATELLITE  
GS ARTIFICIAL SATELLITES  
PASSIVE SATELLITES  
ECHO SATELLITES  
ECHO 1 SATELLITE  
RT THOR DELTA LAUNCH VEHICLE

### ECHO 2 SATELLITE

UF A-12 SATELLITE  
GS ARTIFICIAL SATELLITES  
PASSIVE SATELLITES  
ECHO SATELLITES  
ECHO 2 SATELLITE  
UNMANNED SPACECRAFT  
ECHO 2 SATELLITE

### ECHOCARDIOGRAPHY

GS BIOENGINEERING  
BIOMETRICS  
CARDIOGRAPHY  
PHONOCARDIOGRAPHY  
ECHOCARDIOGRAPHY  
RT CARDIAC VENTRICLES  
HEART DISEASES  
HEART FUNCTION

### ECHOENCEPHALOGRAPHY

GS BIOENGINEERING  
BIOMETRICS  
ECHOENCEPHALOGRAPHY  
RT BIOINSTRUMENTATION  
BRAIN  
ELECTROPHYSIOLOGY  
MEDICAL ELECTRONICS  
MEDICAL EQUIPMENT

### ECHOES

GS ECHOES  
AURORAL ECHOES  
LUNAR ECHOES  
LUNAR RADAR ECHOES  
RADAR ECHOES  
ANGELS (RADAR)  
CLUTTER  
LUNAR RADAR ECHOES  
SOLAR RADAR ECHOES  
VENUS RADAR ECHOES  
RADIO ECHOES  
SIGNAL REFLECTION  
RT ACOUSTICS  
CEPSTRAL ANALYSIS  
ECHO SOUNDING  
GROUND EFFECT (COMMUNICATIONS)  
NOISE (SOUND)  
REVERBERATION

### ECLIPSE PROJECT

GS PROGRAMS  
PROJECTS  
ECLIPSE PROJECT

### ECLIPSES

GS ECLIPSES  
LUNAR ECLIPSES  
SOLAR ECLIPSES  
RT ECLIPSING BINARY STARS  
LUNAR SHADOW  
OCCULTATION  
PENUMBRAS  
UMBRAS

### ECLIPSING BINARY STARS

GS CELESTIAL BODIES  
STARS  
DOUBLE STARS  
BINARY STARS  
ECLIPSING BINARY STARS  
DWARF NOVAE  
LAMBDA TAURI STARS  
ZETA AURIGAE STAR  
RT ACCRETION DISKS  
CATACLYSMIC VARIABLES  
ECLIPSES  
STELLAR OCCULTATION  
SYMBIOTIC STARS  
VARIABLE STARS  
X RAY BINARIES

### ECLIPTIC

RT PLANETS  
SOLAR ORBITS  
ZODIAC

## EDUCATIONAL TELEVISION

### ECLOGITE

- GS ROCKS
  - . IGNEOUS ROCKS
- . . . **ECLOGITE**
- RT GARNETS
  - PYROXENES
  - SOILS

### ECOLOGICAL SYSTEMS

- USE ECOLOGY

### ECOLOGY

- UF ECOLOGICAL SYSTEMS
- GS **ECOLOGY**
  - . COASTAL ECOLOGY
- RT ARIZONA REGIONAL ECOLOGICAL TEST SITE
  - BIOCHEMICAL OXYGEN DEMAND
- ∞ BIOLOGY
  - BIOMETEOROLOGY
  - CARBON CYCLE
  - CENTRAL ATLANTIC REGIONAL ECOL TEST SITE
  - CLOSED ECOLOGICAL SYSTEMS
  - COASTAL PLAINS
  - ECOSYSTEMS
  - ENDANGERED SPECIES
  - ENERGY POLICY
  - ENVIRONMENTS
  - HABITABILITY
  - HABITATS
  - PHENOLOGY
  - PREDATORS
  - SYMBIOSIS
  - VEGETATION GROWTH

### ECONOMETRICS

- RT ∞ APPLICATIONS OF MATHEMATICS
  - ECONOMICS
  - GROSS NATIONAL PRODUCT
  - STATISTICAL CORRELATION

### ECONOMIC ANALYSIS

- RT ALLOCATIONS
  - COMPARISON
  - COST ANALYSIS
  - COST ESTIMATES
  - COSTS
  - ECONOMY
  - EFFICIENCY
  - MANAGEMENT
  - OPERATING COSTS
  - VALUE ENGINEERING

### ECONOMIC DEVELOPMENT

- RT COMMERCE
  - DEVELOPING NATIONS
  - ECONOMY
  - GEOGRAPHY
  - INDUSTRIES
  - LAND USE
  - MANUFACTURING
  - RESOURCES
  - SPACE INDUSTRIALIZATION
  - URBAN DEVELOPMENT

### ECONOMIC FACTORS

- RT ALLOCATIONS
  - BUDGETING
  - COMMERCIAL ENERGY
  - COSTS
  - DEVELOPING NATIONS
  - DOMESTIC ENERGY
  - ECONOMY
  - EFFICIENCY
  - ENERGY POLICY
  - FEASIBILITY ANALYSIS
  - INDUSTRIAL ENERGY
  - INSURANCE (CONTRACTS)
  - MANAGEMENT
  - RESERVES
  - RESOURCES
  - TRANSPORTATION ENERGY

### ECONOMIC IMPACT

- GS IMPACT
  - . **ECONOMIC IMPACT**
- RT COSTS
  - ENVIRONMENTS
  - INDUSTRIES
  - INVESTMENTS
  - RESOURCES

### ECONOMICS

- GS **ECONOMICS**

### ECONOMICS-(CONT.)

- . DEMAND (ECONOMICS)
- RT COSTS
  - ECONOMETRICS
  - EVALUATION
  - FIDUCIARIES
  - INCOME
  - INTERNATIONAL TRADE
  - INVESTMENTS
  - PREJUDICES
  - PROGRESS
  - RECESSION
  - RESOURCES
  - STATISTICAL ANALYSIS

### ECONOMY

- RT COST ESTIMATES
  - DECISION MAKING
  - ECONOMIC ANALYSIS
  - ECONOMIC DEVELOPMENT
  - ECONOMIC FACTORS
  - FINANCIAL MANAGEMENT
  - LOW COST
  - MANAGEMENT PLANNING
  - RECYCLING

### ECOSYSTEMS

- RT CLOSED ECOLOGICAL SYSTEMS
  - ECOLOGY
  - ENDANGERED SPECIES
  - FOOD CHAIN
  - PREDATORS
- ∞ SYSTEMS

### ECS

- USE EUROPEAN COMMUNICATIONS SATELLITE

### ECUADOR

- GS NATIONS
  - . **ECUADOR**
- RT SOUTH AMERICA

### EDDIES

- USE VORTICES

### EDDINGTON APPROXIMATION

- GS ANALYSIS (MATHEMATICS)
  - . NUMERICAL ANALYSIS
  - . . . APPROXIMATION
  - . . . **EDDINGTON APPROXIMATION**

### EDDY CURRENTS

- SN (LIMITED TO ELECTRIC CURRENTS)
- GS ELECTRIC CURRENT
  - . **EDDY CURRENTS**
- RT BRAKING
  - ELECTRIC CONDUCTORS
  - ELECTRICAL PROPERTIES
  - HYSTERESIS
  - LOSSES
  - MAGNETIC PROPERTIES
- ∞ PHYSICAL PROPERTIES
  - PLASMA CURRENTS
  - VORTICITY TRANSPORT HYPOTHESIS

### EDDY DIFFUSION

- USE TURBULENT DIFFUSION

### EDDY VISCOSITY

- GS TRANSPORT PROPERTIES
  - . VISCOSITY
  - . . **EDDY VISCOSITY**
- RT FLOW CHARACTERISTICS
  - FLOW RESISTANCE
  - INTERNAL FRICTION
  - TURBULENT FLOW
  - VISCOUS DRAG
  - VISCOUS FLOW

### EDEMA

- GS SIGNS AND SYMPTOMS
  - . **EDEMA**
- RT BODY FLUIDS
  - DIURESIS
  - WATER BALANCE

### EDGE DISLOCATIONS

- UF SLIP BANDS
- GS DEFECTS
  - . CRYSTAL DEFECTS
  - . . CRYSTAL DISLOCATIONS
  - . . . **EDGE DISLOCATIONS**
  - DISLOCATIONS (MATERIALS)

### EDGE DISLOCATIONS-(CONT.)

- . CRYSTAL DISLOCATIONS
- . . **EDGE DISLOCATIONS**
- RT ∞ BANDS
  - SCREW DISLOCATIONS

### EDGE LOADING

- GS LOADS (FORCES)
  - . **EDGE LOADING**
- RT AERODYNAMIC LOADS
  - COMPRESSION LOADS
  - DYNAMIC LOADS
  - STATIC LOADS
  - WING LOADING

### EDGES

- GS **EDGES**
  - . LEADING EDGES
  - . . BLUNT LEADING EDGES
  - . . SHARP LEADING EDGES
  - . TRAILING EDGES
  - . . BLUNT TRAILING EDGES
- RT MARGINS
  - RIMS
  - SCALLOPING
  - SIDES
  - TIPS

### EDITING

- RT DATA PROCESSING
  - DATA REDUCTION
  - EDITING ROUTINES (COMPUTERS)
  - FORMAT
  - TECHNICAL WRITING

### EDITING ROUTINES (COMPUTERS)

- GS COMPUTER PROGRAMS
  - . **EDITING ROUTINES (COMPUTERS)**
- RT COMPUTER SYSTEMS PROGRAMS
  - DATA PROCESSING
  - EDITING

### EDTA

- USE ETHYLENEDIAMINETETRAACETIC ACIDS

### EDUCATION

- UF INSTRUCTIONS
  - TEACHING
  - TRAINING
- GS **EDUCATION**
  - . ASTRONAUT TRAINING
  - . EJECTION TRAINING
  - . FLIGHT TRAINING
  - . . SPACE FLIGHT TRAINING
  - . GUNNERY TRAINING
  - . MAINTENANCE TRAINING
  - . PILOT TRAINING
- RT BEHAVIOR
  - COMMUNICATING
  - CREATIVITY
  - EXPERIENCE
  - HUMAN FACTORS ENGINEERING
  - HUMAN RESOURCES
  - INSTRUCTORS
  - KNOWLEDGE
  - LEARNING
  - LEARNING THEORY
  - LECTURES
  - MEMORY
  - ∞ ORIENTATION
  - PSYCHOMETRICS
  - QUALIFICATIONS
  - RETRAINING
  - SAFETY MANAGEMENT
  - SCHOOLS
  - STUDENTS
  - ∞ TESTS
  - TEXTBOOKS
  - TRAINING ANALYSIS
  - TRAINING DEVICES
  - TRANSFER OF TRAINING
  - UNIVERSITIES

### EDUCATIONAL TELEVISION

- GS TELECOMMUNICATION
  - . **EDUCATIONAL TELEVISION**
- TELEVISION SYSTEMS
- . **EDUCATIONAL TELEVISION**
  - CLOSED CIRCUIT TELEVISION
  - COLOR TELEVISION
  - COMMUNICATION EQUIPMENT
  - LEARNING
  - STEREOTELEVISION
  - TRAINING DEVICES
- RT



## EEG (ELECTROENCEPHALOGRAMS)

### EEG (ELECTROENCEPHALOGRAMS)

USE ELECTROENCEPHALOGRAPHY

### EFFECTIVE PERCEIVED NOISE LEVELS

UF EPNL  
GS LEVEL (QUANTITY)  
RT . **EFFECTIVE PERCEIVED NOISE LEVELS**  
ACOUSTIC MEASUREMENT  
ACOUSTICS  
LOUDNESS  
∞ NOISE  
NOISE (SOUND)  
NOISE INTENSITY  
NOISE REDUCTION  
SOUND INTENSITY

### EFFECTIVENESS

GS **EFFECTIVENESS**  
COST EFFECTIVENESS  
SYSTEM EFFECTIVENESS  
RT EFFICIENCY

### EFFECTORS

USE CONTROL EQUIPMENT

### ∞ EFFECTS

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)*  
UF AFFECTS  
RT ATMOSPHERIC EFFECTS  
AUGER EFFECT  
BARKHAUSEN EFFECT  
BAUSCHINGER EFFECT  
BIOLOGICAL EFFECTS  
BRILLOUIN EFFECT  
BROWN WAVE EFFECT  
CAPTURE EFFECT  
CAUSES  
CERENKOV RADIATION  
CHEMICAL EFFECTS  
COANDA EFFECT  
COMPRESSIBILITY EFFECTS  
COMPTON EFFECT  
CORIOLIS EFFECT  
DIFFUSION  
DOPPLER EFFECT  
DOPPLER-FIZEAU EFFECT  
ELECTRO-OPTICAL EFFECT  
ENVIRONMENT EFFECTS  
ETTINGSHAUSEN EFFECT  
FARADAY EFFECT  
FIELD EFFECT TRANSISTORS  
FIZEAU EFFECT  
FORBUSH DECREASES  
GALVANOMAGNETIC EFFECTS  
GRAVITATIONAL EFFECTS  
GREEN WAVE EFFECT  
GREENHOUSE EFFECT  
GROUND EFFECT (AERODYNAMICS)  
GROUND EFFECT (COMMUNICATIONS)  
GROUND EFFECT MACHINES  
GUNN EFFECT  
HALL EFFECT  
HYDRODYNAMIC RAM EFFECT  
ISOTOPE EFFECT  
JAHN-TELLER EFFECT  
JET BLAST EFFECTS  
JOULE-THOMSON EFFECT  
∞ KERR EFFECTS  
KERR ELECTROOPTICAL EFFECT  
KERR MAGNETOOPTICAL EFFECT  
KIRKENDALL EFFECT  
KONDO EFFECT  
LONG TERM EFFECTS  
LUNAR EFFECTS  
LUNAR GRAVITATIONAL EFFECTS  
LUXEMBOURG EFFECT  
MAGNETIC EFFECTS  
MAGNUS EFFECT  
MOIRE EFFECTS  
MOSSBAUER EFFECT  
NERNST-ETTINGSHAUSEN EFFECT  
NONOHMIC EFFECT  
NUCLEAR EXPLOSION EFFECT  
OVERHAUSER EFFECT  
PATHOLOGICAL EFFECTS  
Peltier Effects  
PENNING EFFECT  
PHOTOELECTRIC EFFECT  
PHOTOELECTROMAGNETIC EFFECTS  
PHOTOMAGNETIC EFFECTS  
PHOTOMECHANICAL EFFECT  
PHOTOVOLTAIC EFFECT  
PHYSIOLOGICAL EFFECTS

### EFFECTS-(CONT.)

PINCH EFFECT  
POGO EFFECTS  
POYNTING-ROBERTSON EFFECT  
PRESSURE EFFECTS  
PROXIMITY EFFECT (ELECTRICITY)  
PSYCHOLOGICAL EFFECTS  
RADIATION EFFECTS  
RAMSAUER EFFECT  
REENTRY EFFECTS  
RELATIVISTIC EFFECTS  
SCALE EFFECT  
SCHACH EFFECT  
SCREEN EFFECT  
SEEBECK EFFECT  
SOLAR ACTIVITY EFFECTS  
STARK EFFECT  
STERILIZATION EFFECTS  
SUHL EFFECT  
SURFACE EFFECT SHIPS  
SURFACE ROUGHNESS EFFECTS  
SWEEP EFFECT  
TEMPERATURE EFFECTS  
THERMOMAGNETIC EFFECTS  
TURBULENCE EFFECTS  
UMKEHR EFFECT  
VACUUM EFFECTS  
VIBRATION EFFECTS  
VIEW EFFECTS  
VOIGT EFFECT  
WIND EFFECTS  
ZEEMAN EFFECT  
ZENER EFFECT

### EFFERENT NERVOUS SYSTEMS

UF MOTOR SYSTEMS (BIOLOGY)  
GS ANATOMY  
NERVOUS SYSTEM  
RT . **EFFERENT NERVOUS SYSTEMS**  
SENSORIMOTOR PERFORMANCE  
∞ SYSTEMS

### EFFERVESCENCE

RT BOILING  
BUBBLES  
SURFACE PROPERTIES

### EFFICIENCY

GS **EFFICIENCY**  
CHARGE EFFICIENCY  
COMBUSTION EFFICIENCY  
COMPRESSOR EFFICIENCY  
ENERGY CONVERSION EFFICIENCY  
NOZZLE EFFICIENCY  
POWER EFFICIENCY  
PROPULSIVE EFFICIENCY  
PROPELLER EFFICIENCY  
THERMODYNAMIC EFFICIENCY  
TRANSMISSION EFFICIENCY  
RT AIRCRAFT PRODUCTION COSTS  
COMFORT  
COMMONALITY  
COMPRESSION RATIO  
COMPUTER SYSTEMS PERFORMANCE  
COST INCENTIVES  
COST REDUCTION  
COSTS  
ECONOMIC ANALYSIS  
ECONOMIC FACTORS  
EFFECTIVENESS  
FEASIBILITY  
FIGURE OF MERIT  
HUMAN FACTORS ENGINEERING  
INCENTIVE TECHNIQUES  
INDEXES (RATIOS)  
OPTIMIZATION  
∞ PERFORMANCE  
PRODUCTIVITY  
RATIOS  
UTILIZATION

### EFFLUENTS

RT AIR POLLUTION  
CONTAMINANTS  
∞ DISCHARGE  
ENVIRONMENT PROTECTION  
EXHAUST GASES  
FILTRATION  
LIQUID WASTES  
REACTION PRODUCTS  
SETTLING  
SEWAGE  
SEWERS  
WASTE DISPOSAL  
WASTES

### EFFLUX

RT EMISSION  
OUTPUT

### EFFORT

RT ABILITIES  
CONSISTENCY  
FATIGUE (BIOLOGY)  
∞ PERFORMANCE  
PHYSICAL WORK

### EFFUSIVES

GS **EFFUSIVES**  
LAVA  
RT CONES (VOLCANOES)  
IGNEOUS ROCKS  
MARS VOLCANOES  
ROCKS  
VOLCANOES  
VOLCANOLOGY

### EGCR (REACTOR)

USE EXPERIMENTAL GAS COOLED  
REACTORS

### EGGS

GS CELLS (BIOLOGY)  
GAMETOCYTES  
EGGS  
RT EMBRYOS  
FETUSES  
∞ FOOD  
OVARIES

### EGO

UF ECCENTRIC GEOPHYSICAL  
OBSERVATORY  
ECCENTRIC ORBIT GEOPHYSICAL  
OBSERVATORY  
EGO  
GS ARTIFICIAL SATELLITES  
GEOPHYSICAL SATELLITES  
OGO  
EGO  
OBSERVATORIES  
GEOPHYSICAL OBSERVATORIES  
OGO  
EGO  
RT AGENA B ROCKET VEHICLE  
ATLAS LAUNCH VEHICLES  
POGO

### EGRESS

RT AIR LOCKS  
DOORS  
HATCHES  
INGRESS (SPACECRAFT PASSAGEWAY)  
OPENINGS  
OUTLETS

### EGYPT

GS NATIONS  
EGYPT  
RT AFRICA

### EIGENFUNCTIONS

USE EIGENVECTORS

### EIGENSTATES

USE EIGENVECTORS

### EIGENVALUES

UF CHARACTERISTIC EQUATIONS  
CHARACTERISTIC FUNCTIONS  
GS ALGEBRA  
VECTOR SPACES  
MATRICES (MATHEMATICS)  
EIGENVALUES  
RT EIGENVECTORS  
FLUX VECTOR SPLITTING  
HILL DETERMINANT  
JACOBI MATRIX METHOD  
JORDAN FORM  
POLYNOMIALS  
ROOTS OF EQUATIONS

### EIGENVECTORS

UF CHARACTERISTIC EQUATIONS  
CHARACTERISTIC FUNCTIONS  
EIGENFUNCTIONS  
EIGENSTATES  
GS ALGEBRA  
VECTOR SPACES  
MATRICES (MATHEMATICS)

**EIGENVECTORS-(CONT.)**

- ... **EIGENVECTORS**
- ... VECTORS (MATHEMATICS)
- ... **EIGENVECTORS**
- RT EIGENVALUES
- JACOBI MATRIX METHOD
- MATHIEU FUNCTION
- POLYNOMIALS

**EIKONAL EQUATION**

- GS WAVE EQUATIONS
- ... **EIKONAL EQUATION**
- RT  $\infty$  EQUATIONS
- GEOMETRICAL OPTICS
- POMERANCHUK THEOREM
- REFRACTED WAVES
- WAVE FRONTS
- $\infty$  WAVES

**EINSTEIN EQUATIONS**

- GS ANALYSIS (MATHEMATICS)
- ... REAL VARIABLES
- ... **EINSTEIN EQUATIONS**
- RT BROWNIAN MOVEMENTS
- DIFFUSION
- DIFFUSION THEORY
- $\infty$  EQUATIONS
- EQUATIONS OF MOTION
- GRAND UNIFIED THEORY
- KINETIC EQUATIONS
- PROBABILITY THEORY

**EINSTEIN OBSERVATORY**

- USE HEAO 2

**EINSTEINIUM**

- GS CHEMICAL ELEMENTS
- ... ACTINIDE SERIES
- ... TRANSURANIUM ELEMENTS
- ... **EINSTEINIUM**
- ... NUCLIDES
- ... ISOTOPIES
- ... RADIOACTIVE ISOTOPIES
- ... TRANSURANIUM ELEMENTS
- ... **EINSTEINIUM**
- ... METALS
- ... ACTINIDE SERIES
- ... TRANSURANIUM ELEMENTS
- ... **EINSTEINIUM**
- RT EINSTEINIUM COMPOUNDS

**EINSTEINIUM COMPOUNDS**

- GS ACTINIDE SERIES COMPOUNDS
- ... **EINSTEINIUM COMPOUNDS**
- RT EINSTEINIUM

**EISCAT RADAR SYSTEM (EUROPE)**

- UF EUROPEAN INCOHERENT SCATTER
- RADAR
- GS RADAR
- ... INCOHERENT SCATTER RADAR
- ... **EISCAT RADAR SYSTEM (EUROPE)**
- RT INCOHERENT SCATTERING
- INTERNATIONAL COOPERATION
- IONOSPHERIC PROPAGATION
- RADAR SCATTERING
- RADAR TRANSMISSION
- $\infty$  SYSTEMS
- ULTRAHIGH FREQUENCIES

**EJECTA**

- RT CRATERING
- CRATERS
- DEBRIS
- EJECTION
- FRAGMENTS
- IMPACT DAMAGE
- MARS CRATERS
- METEORITE CRATERS
- METEORITIC DAMAGE
- PROJECTILE CRATERING
- WOLF-RAYET STARS

**EJECTION**

- GS **EJECTION**
- ... STELLAR MASS EJECTION
- RT BAILOUT
- $\infty$  DISCHARGE
- DISCONNECT DEVICES
- DISPOSAL
- DUMPING
- EJECTA
- EJECTORS
- EMISSION
- EMPTYING

**EJECTION-(CONT.)**

- ESCAPE (ABANDONMENT)
- ESCAPE SYSTEMS
- EVACUATING (TRANSPORTATION)
- EVACUATING (VACUUM)
- EXHAUSTING
- EXPULSION
- EXPULSION BLADDERS
- FLUSHING
- JETTISON SYSTEMS
- JETTISONING
- MATERIALS HANDLING
- PARACHUTE DESCENT
- RELEASING
- REMOVAL
- SHEDDING
- THROWING
- UNLOADING

**EJECTION INJURIES**

- GS INJURIES
- ... **EJECTION INJURIES**
- RT BAILOUT
- PILOT TRAINING

**EJECTION SEATS**

- GS ONBOARD EQUIPMENT
- ... AIRCRAFT EQUIPMENT
- ... **EJECTION SEATS**
- ... FLYING EJECTION SEATS
- SAFETY DEVICES
- ... **EJECTION SEATS**
- ... FLYING EJECTION SEATS
- SEATS
- ... **EJECTION SEATS**
- ... FLYING EJECTION SEATS
- RT ABORT APPARATUS
- AIRCRAFT SAFETY
- BAILOUT
- COCKPITS
- EJECTORS
- ESCAPE CAPSULES
- ESCAPE SYSTEMS
- JETTISON SYSTEMS
- $\infty$  PROPELLANT ACTUATED DEVICES

**EJECTION TRAINING**

- GS EDUCATION
- ... **EJECTION TRAINING**
- RT ASTRONAUT TRAINING
- BAILOUT
- ESCAPE (ABANDONMENT)
- FLIGHT TRAINING
- PARACHUTE DESCENT
- PILOT TRAINING

**EJECTORS**

- RT DISPENSERS
- EJECTION
- EJECTION SEATS
- EXHAUST DIFFUSERS
- EXHAUST NOZZLES
- EXHAUST SYSTEMS
- FLYING EJECTION SEATS
- INJECTORS
- JET ENGINES
- JET PUMPS
- MATERIALS HANDLING
- PUMPS
- ROCKET ENGINES
- SPRAYERS
- VACUUM PUMPS

**EKMAN LAYER**

- RT ATMOSPHERIC BOUNDARY LAYER
- BOUNDARY LAYER TRANSITION
- $\infty$  LAYERS
- POROUS BOUNDARY LAYER CONTROL
- TURBULENT BOUNDARY LAYER

**EL NINO**

- GS CIRCULATION
- ... WATER CIRCULATION
- ... WATER CURRENTS
- ... OCEAN CURRENTS
- ... **EL NINO**
- RT AIR WATER INTERACTIONS
- OCEAN TEMPERATURE
- PACIFIC OCEAN
- PERIODIC VARIATIONS
- SOUTHERN OSCILLATION
- TROPICAL METEOROLOGY

**EL SALVADOR**

- GS NATIONS

**EL SALVADOR-(CONT.)**

- ... **EL SALVADOR**
- RT CENTRAL AMERICA

**ELASTIC ANISOTROPY**

- GS ANISOTROPY
- ... PLASTIC ANISOTROPY
- ... **ELASTIC ANISOTROPY**

**ELASTIC BARS**

- GS BARS
- ... **ELASTIC BARS**

**ELASTIC BENDING**

- GS BENDING
- ... **ELASTIC BENDING**
- DEFORMATION
- ... ELASTIC DEFORMATION
- ... **ELASTIC BENDING**
- RT EARTHQUAKE RESISTANT STRUCTURES

**ELASTIC BODIES**

- RT  $\infty$  BODIES
- $\infty$  ELASTIC SYSTEMS
- ELASTODYNAMICS
- ELASTOSTATICS
- PLASTIC BODIES

**ELASTIC BUCKLING**

- GS BUCKLING
- ... **ELASTIC BUCKLING**
- DEFORMATION
- ... ELASTIC DEFORMATION
- ... **ELASTIC BUCKLING**
- RT FAILURE MODES

**ELASTIC COLLISIONS**

- USE ELASTIC SCATTERING

**ELASTIC CONSTANTS**

- USE ELASTIC PROPERTIES

**ELASTIC CYLINDERS**

- RT  $\infty$  CYLINDERS
- CYLINDRICAL BODIES
- CYLINDRICAL SHELLS

**ELASTIC DAMPING**

- GS DAMPING
- ... **ELASTIC DAMPING**
- ... VISCOELASTIC DAMPING
- ELASTODYNAMICS
- ... **ELASTIC DAMPING**
- ... VISCOELASTIC DAMPING
- RT RESONANCE TESTING
- VIBRATION DAMPING
- VISCOUS DAMPING

**ELASTIC DEFORMATION**

- GS DEFORMATION
- ... **ELASTIC DEFORMATION**
- ... ELASTIC BENDING
- ... ELASTIC BUCKLING
- RT AXIAL STRAIN
- BENDING
- BORDONI PEAKS
- DEFLECTION
- ELASTODYNAMICS
- ELASTOSTATICS
- FLEXIBLE SPACECRAFT
- PLANE STRAIN
- PLASTIC DEFORMATION
- PRESTRESSING
- STRAIN DISTRIBUTION
- STRAIN ENERGY RELEASE RATE
- STRESS-STRAIN RELATIONSHIPS
- STRETCHING
- STRUCTURAL STRAIN
- TENSILE DEFORMATION

**ELASTIC MEDIA**

- GS MEDIA
- ... **ELASTIC MEDIA**
- RT ELASTODYNAMICS
- ELASTOSTATICS

**ELASTIC MODULUS**

- USE MODULUS OF ELASTICITY

**ELASTIC PLATES**

- GS STRUCTURAL MEMBERS
- ... PLATES (STRUCTURAL MEMBERS)
- ... **ELASTIC PLATES**
- RT PLASTIC BODIES

## ELASTIC PROPERTIES

### ELASTIC PLATES-(CONT.) PLASTIC PLATES

#### ELASTIC PROPERTIES

- UF ELASTIC CONSTANTS
- ELASTICITY
- GS MECHANICAL PROPERTIES
  - ELASTIC PROPERTIES
    - AEROELASTICITY
    - AEROTHERMOELASTICITY
    - ANELASTICITY
    - ELASTOPLASTICITY
    - HYDROELASTICITY
    - HYPOELASTICITY
    - MAGNETOSTRICTION
    - MODULUS OF ELASTICITY
    - DYNAMIC MODULUS OF ELASTICITY
    - PHOTOELASTICITY
    - PHOTOVISCOELASTICITY
    - PROPORTIONAL LIMIT
    - THERMOELASTICITY
    - AEROTHERMOELASTICITY
    - VISCOELASTICITY
    - PHOTOVISCOELASTICITY
    - THERMOVISCOELASTICITY
- RT AIRY FUNCTION
- BIHARMONIC EQUATIONS
- COMPRESSIVE STRENGTH
- ELASTODYNAMICS
- ELASTOMETERS
- ELASTOSTATICS
- FLEXIBILITY
- HOOKE'S LAW
- HYBRID STRUCTURES
- INFLUENCE COEFFICIENT
- MICROSONICS
- MICROYIELD STRENGTH
- ∞ PHYSICAL PROPERTIES
- PIEZOELECTRICITY
- PLASTIC PROPERTIES
- POISSON RATIO
- PROPELLANT PROPERTIES
- RESILIENCE
- SOFTNESS
- STRAIN ENERGY RELEASE RATE
- STRESS TENSORS
- TENSILE PROPERTIES
- TENSILE STRENGTH
- YIELD STRENGTH

#### ELASTIC SCATTERING

- UF ELASTIC COLLISIONS
- GS SCATTERING
  - ELASTIC SCATTERING
- RT ATOMIC COLLISIONS
- ∞ COHERENCE
- COHERENT SCATTERING
- ELECTRON SCATTERING
- GLAUBER THEORY
- INELASTIC SCATTERING
- NUCLEAR SCATTERING
- PHOTON-ELECTRON INTERACTION
- POMERANCHUK THEOREM

#### ELASTIC SHEETS

- RT GIRDER WEBS
- ∞ SHEETS
- WEBS (SHEETS)
- WEBS (SUPPORTS)

#### ELASTIC SHELLS

- GS SHELLS (STRUCTURAL FORMS)
- ELASTIC SHELLS
- RT ANISOTROPIC SHELLS
- PLASTIC SHELLS

#### ELASTIC STABILITY

- USE DAMPING

#### ELASTIC STRENGTH

- USE PROPORTIONAL LIMIT

#### ∞ ELASTIC SYSTEMS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)*
- RT EARTHQUAKE RESISTANT STRUCTURES
- ELASTIC BODIES
- ∞ SYSTEMS

#### ELASTIC WAVES

- UF EXPANSION WAVES
- LOADING WAVES
- PRESSURE WAVES
- RAREFACTION WAVES

### ELASTIC WAVES-(CONT.) GS ELASTIC WAVES

- CAPILLARY WAVES
- GRAVITY WAVES
- BAROCLINIC WAVES
- RIPPLES
- COHERENT ACOUSTIC RADIATION
- COMPRESSION WAVES
- DILATATIONAL WAVES
- IONIC WAVES
- MAGNETOELASTIC WAVES
- MAGNETOACOUSTIC WAVES
- MAGNETOHYDRODYNAMIC WAVES
- PLASMA WAVES
- ELECTROSTATIC WAVES
- P WAVES
- PHONONS
- PHONON BEAMS
- POLARIZED ELASTIC WAVES
- S WAVES
- SEISMIC WAVES
- LOVE WAVES
- MICROSEISMS
- RAYLEIGH WAVES
- SHOCK WAVES
- DETONATION WAVES
- MACH CONES
- NORMAL SHOCK WAVES
- OBLIQUE SHOCK WAVES
- RIEMANN WAVES
- SONIC BOOMS
- SOUND WAVES
- ELECTROACOUSTIC WAVES
- ION ACOUSTIC WAVES
- LAMB WAVES
- NOISE (SOUND)
- AERODYNAMIC NOISE
- BLADE SLAP NOISE
- AIRCRAFT NOISE
- BLADE SLAP NOISE
- JET AIRCRAFT NOISE
- SONIC BOOMS
- ENGINE NOISE
- ROCKET ENGINE NOISE
- THERMAL NOISE
- STRESS WAVES
- TOLLMEIN-SCHLICHTING WAVES
- ULTRASONIC RADIATION
- UNLOADING WAVES
- RT ACOUSTIC PROPAGATION
- ACOUSTIC SIMULATION
- ACOUSTICS
- AEOLIAN TONES
- BACKGROUND NOISE
- BACKWARD WAVES
- CNOIDAL WAVES
- COHERENT RADIATION
- COMBUSTION VIBRATION
- CONTINUOUS RADIATION
- CYLINDRICAL WAVES
- DIFFUSION WAVES
- DOPPLER EFFECT
- ELASTODYNAMICS
- ELASTOHYDRODYNAMICS
- LAME WAVE EQUATIONS
- LONGITUDINAL WAVES
- MAGNETOHYDRODYNAMIC STABILITY
- PLANE WAVES
- POLARIZED RADIATION
- PRESSURE
- PULSED RADIATION
- ∞ RADIATION
- RADIATION DISTRIBUTION
- RADIATION PRESSURE
- RAREFACTION
- REFLECTED WAVES
- REFRACTED WAVES
- SINE WAVES
- SOLITARY WAVES
- SOUND TRANSMISSION
- SPHERICAL WAVES
- STRESS PROPAGATION
- SURFACE WAVES
- TRANSVERSE WAVES
- TRAVELING WAVES
- TROPOSPHERIC WAVES
- UNDERWATER ACOUSTICS
- VIBRATION
- WAVE DISPERSION
- ∞ WAVES

#### ELASTICITY

- USE ELASTIC PROPERTIES

### ELASTICIZERS

- USE PLASTICIZERS

#### ELASTIN

- GS BIOPOLYMERS
- PROTEINS
- ELASTIN
- ORGANIC COMPOUNDS
- PROTEINS
- ELASTIN
- RT ALBUMINS

#### ELASTODYNAMICS

- GS ELASTODYNAMICS
- ELASTIC DAMPING
- VISCOELASTIC DAMPING
- ELASTOHYDRODYNAMICS
- RT ∞ DYNAMICS
- ELASTIC BODIES
- ELASTIC DEFORMATION
- ELASTIC MEDIA
- ELASTIC PROPERTIES
- ELASTIC WAVES
- ELASTOSTATICS

#### ELASTOHYDRODYNAMICS

- GS ELASTODYNAMICS
- ELASTOHYDRODYNAMICS
- FLUID MECHANICS
- FLUID DYNAMICS
- HYDRODYNAMICS
- ELASTOHYDRODYNAMICS
- HYDROMECHANICS
- HYDRODYNAMICS
- ELASTOHYDRODYNAMICS
- RT BALL BEARINGS
- ELASTIC WAVES
- FRICTION MEASUREMENT
- LUBRICATION
- ROTATING CYLINDERS
- SQUEEZE FILMS
- WATER WAVES

#### ELASTOMERS

- GS RUBBER
- SYNTHETIC RUBBERS
- ELASTOMERS
- CHLOROPRENE RESINS
- THIOPLASTICS
- VITON RUBBER (TRADEMARK)
- VULCANIZED ELASTOMERS
- RT LATEX
- ORGANIC MATERIALS
- PLASTICS
- ∞ POLYMERS
- SILICONE RUBBER
- SOLITHANES
- SPONGES (MATERIALS)

#### ELASTOMETERS

- GS MEASURING INSTRUMENTS
- ELASTOMETERS
- RT ELASTIC PROPERTIES
- EXTENSOMETERS
- STRAIN GAGES

#### ELASTOPLASTICITY

- GS MECHANICAL PROPERTIES
- ELASTIC PROPERTIES
- ELASTOPLASTICITY
- PLASTIC PROPERTIES
- ELASTOPLASTICITY
- RT J INTEGRAL
- PLASTIC BODIES
- PLASTIC PLATES
- PLASTIC SHELLS

#### ELASTOSTATICS

- RT ELASTIC BODIES
- ELASTIC DEFORMATION
- ELASTIC MEDIA
- ELASTIC PROPERTIES
- ELASTODYNAMICS
- STATICS

#### ELBER EQUATION

- RT CRACK CLOSURE
- CRACKS
- CYCLIC LOADS
- ∞ EQUATIONS
- FRACTOGRAPHY
- FRACTURE MECHANICS
- MICROCRACKS
- STRESS CONCENTRATION
- STRESS CYCLES

**ELBOW (ANATOMY)**

GS ANATOMY  
 . LIMBS (ANATOMY)  
 . ARM (ANATOMY)  
 . . . **ELBOW (ANATOMY)**  
 . MUSCULOSKELETAL SYSTEM  
 . JOINTS (ANATOMY)  
 . . . **ELBOW (ANATOMY)**  
 APPENDAGES  
 . ARM (ANATOMY)  
 . . . **ELBOW (ANATOMY)**  
 RT HUMERUS  
 ULNA

**ELDO LAUNCH VEHICLE**

GS LAUNCH VEHICLES  
 . **ELDO LAUNCH VEHICLE**  
 ROCKET VEHICLES  
 . MULTISTAGE ROCKET VEHICLES  
 . . . **ELDO LAUNCH VEHICLE**  
 RT ARIANE LAUNCH VEHICLE  
 BLUE STREAK LAUNCH VEHICLE  
 EUROPA LAUNCH VEHICLES  
 EUROPEAN SPACE AGENCY  
 EUROPEAN 1 SPACECRAFT

**ELECTRA AIRCRAFT**

GS COMMERCIAL AIRCRAFT  
 . **ELECTRA AIRCRAFT**  
 JET AIRCRAFT  
 . TURBOPROP AIRCRAFT  
 . . . **ELECTRA AIRCRAFT**  
 LOCKHEED AIRCRAFT  
 . **ELECTRA AIRCRAFT**  
 MONOPLANES  
 . **ELECTRA AIRCRAFT**  
 PASSENGER AIRCRAFT  
 . **ELECTRA AIRCRAFT**  
 TRANSPORT AIRCRAFT  
 . **ELECTRA AIRCRAFT**  
 RT  $\infty$  AIRCRAFT

**ELECTRETS**

RT CAPACITORS  
 CURIE TEMPERATURE  
 DIELECTRIC POLARIZATION  
 DIELECTRICS  
 ELECTRIC ENERGY STORAGE  
 ELECTRIC FIELDS  
 ENERGY STORAGE  
 MAGNETS  
 POLARIZATION (CHARGE SEPARATION)

**ELECTRIC AIRCRAFT**

USE FLY BY WIRE CONTROL

**ELECTRIC APPLIANCES**

USE ELECTRIC EQUIPMENT

**ELECTRIC ARCS**

GS ELECTRIC CURRENT  
 . ELECTRIC DISCHARGES  
 . . . **ELECTRIC ARCS**  
 . . . CARBON ARCS  
 . . . MERCURY ARCS  
 RT ARC CHAMBERS  
 ARC DISCHARGES  
 ARC GENERATORS  
 $\infty$  ARCS  
 CORONAS  
 ELECTRICAL FAULTS  
 FLASHOVER  
 GAS DISCHARGES  
 GLOW DISCHARGES  
 IONIZATION  
 LIGHT SOURCES  
 LIGHTNING  
 MAGNETOHYDRODYNAMICS  
 PLANOTRONS  
 PLASMA GENERATORS  
 PLASMAS (PHYSICS)  
 SAHA EQUATIONS  
 SHORT CIRCUITS

**ELECTRIC AUTOMOBILES**

GS SURFACE VEHICLES  
 . MOTOR VEHICLES  
 . . . AUTOMOBILES  
 . . . **ELECTRIC AUTOMOBILES**  
 RT TRANSPORTATION

**ELECTRIC BATTERIES**

SN (INCLUDES BOTH RECHARGEABLE OR  
 STORAGE BATTERIES AND  
 NON-RECHARGEABLE BATTERIES FOR  
 GENERATING CURRENT FROM A  
 STORED CHEMICAL ENERGY SOURCE)  
 UF BATTERIES  
 GS ELECTROCHEMICAL CELLS  
 . **ELECTRIC BATTERIES**  
 . LITHIUM SULFUR BATTERIES  
 . NICKEL IRON BATTERIES  
 . PRIMARY BATTERIES  
 . . . ALKALINE BATTERIES  
 . . . DRY CELLS  
 . . . MAGNESIUM CELLS  
 . . . NICKEL ZINC BATTERIES  
 . . . METAL AIR BATTERIES  
 . . . ZINC-OXYGEN BATTERIES  
 . . . SODIUM SULFUR BATTERIES  
 . . . THERMAL BATTERIES  
 . . . REDOX CELLS  
 . . . STORAGE BATTERIES  
 . . . LEAD ACID BATTERIES  
 . . . NICKEL CADMIUM BATTERIES  
 . . . NICKEL HYDROGEN BATTERIES  
 . . . NICKEL ZINC BATTERIES  
 . . . SILVER CADMIUM BATTERIES  
 . . . SILVER HYDROGEN BATTERIES  
 . . . SILVER ZINC BATTERIES  
 . . . ZINC-BROMIDE BATTERIES  
 . . . ZINC-CHLORINE BATTERIES  
 . . . WET CELLS  
 RT AUXILIARY POWER SOURCES  
 BATTERY CHARGERS  
 CHARGE EFFICIENCY  
 CHEMICAL AUXILIARY POWER UNITS  
 DIRECT POWER GENERATORS  
 $\infty$  ELECTRIC CELLS  
 ELECTRODES  
 ELECTROLYTES  
 ELECTROLYTIC CELLS  
 ELECTROMOTIVE FORCES  
 $\infty$  ENERGY SOURCES  
 ENERGY STORAGE  
 NONAQUEOUS ELECTROLYTES  
 $\infty$  POWER SUPPLIES  
 PULSE CHARGING  
 RADIOISOTOPE BATTERIES  
 ROADWAY POWERED VEHICLES  
 SPACE STATION POWER SUPPLIES  
 SPACECRAFT POWER SUPPLIES  
 VOLTAGE CONVERTERS (DC TO DC)

**ELECTRIC BRIDGES**

GS CIRCUITS  
 . **ELECTRIC BRIDGES**  
 . . . WIRE BRIDGE CIRCUITS  
 . . . WHEATSTONE BRIDGES  
 RT  $\infty$  BRIDGES  
 CAPACITORS  
 ELECTRICAL MEASUREMENT  
 MEASURING INSTRUMENTS  
 SOLID STATE DEVICES

 $\infty$  **ELECTRIC CELLS**

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT AMPLIFIERS  
 DIRECT POWER GENERATORS  
 ELECTRIC BATTERIES  
 ELECTRIC GENERATORS  
 ELECTROCHEMICAL CELLS  
 ELECTROLYTIC CELLS  
 FISSION ELECTRIC CELLS  
 FUEL CELLS  
 KERR CELLS  
 LEAD ACID BATTERIES  
 LITHIUM SULFUR BATTERIES  
 NONAQUEOUS ELECTROLYTES  
 PHOTOELECTRIC CELLS  
 SODIUM SULFUR BATTERIES  
 SOLAR CELLS  
 WET CELLS

**ELECTRIC CHARGE**

GS **ELECTRIC CHARGE**  
 . ELECTRIC DIPOLES  
 . . . ORBITING DIPOLES  
 . . . ELECTROSTATIC CHARGE  
 . . . ION CHARGE  
 . . . SPACE CHARGE  
 . . . TRAVELING CHARGE  
 RT CAPACITANCE  
 $\infty$  CHARGING

**ELECTRIC CHARGE-(CONT.)**

$\infty$  DIPOLES  
 ELECTRICAL PROPERTIES  
 ELECTROMETERS  
 POLARITY  
 POLARIZATION (CHARGE SEPARATION)  
 PULSE CHARGING  
 SCATHA SATELLITE

**ELECTRIC CHOPPERS**

SN (DEVICES FOR CONVERTING DC TO AC)  
 UF CHOPPERS (ELECTRIC)  
 RT AMPLIFIERS  
 MECHANICAL OSCILLATORS

**ELECTRIC CIRCUITS**

USE CIRCUITS

**ELECTRIC COILS**

GS **ELECTRIC COILS**  
 . MAGNETIC COILS  
 . . . FIELD COILS  
 . . . MAGNET COILS  
 RT CHOKES  
 $\infty$  COILS  
 IGNITION SYSTEMS  
 IMPEDANCE  
 MAGNETIC CORES  
 TRANSFORMERS

**ELECTRIC CONDUCTORS**

UF ELECTRICAL LEADS  
 GS CONDUCTORS  
 . **ELECTRIC CONDUCTORS**  
 . . . BEAM LEADS  
 RT  $\infty$  CONDUCTION  
 DIELECTRICS  
 EDDY CURRENTS  
 ELECTRICAL INSULATION  
 ELECTRICAL RESISTIVITY  
 ELECTROSTATIC SHIELDING  
 INSULATORS  
 RESISTORS  
 SEMICONDUCTORS (MATERIALS)  
 SOMMERFELD WAVES  
 THERMAL CONDUCTORS  
 TRANSMISSION LINES

**ELECTRIC CONNECTORS**

UF CONNECTORS (ELECTRIC)  
 JACKS (ELECTRIC)  
 GS CONNECTORS  
 . **ELECTRIC CONNECTORS**  
 RT BEAM LEADS  
 CIRCUITS  
 DISCONNECT DEVICES  
 ELECTRIC TERMINALS  
 FLAT CONDUCTORS  
 $\infty$  JACKS  
 SWITCHES

**ELECTRIC CONTACTS**

UF CONTACTS (ELECTRIC)  
 RT BRUSHES  
 BRUSHES (ELECTRICAL CONTACTS)  
 COMMUTATORS  
 CONTACT POTENTIALS  
 CONTACT RESISTANCE  
 DROPOUTS  
 FLAT CONDUCTORS  
 $\infty$  RELAY  
 $\infty$  SLIDING CONTACT  
 SLIDING FRICTION  
 SWITCHES

**ELECTRIC CONTROL**

UF ELECTROHYDRAULIC CONTROL  
 RT AUTOMATIC CONTROL  
 $\infty$  CONTROL  
 CONTROL EQUIPMENT  
 CONTROL SYSTEMS DESIGN  
 ELECTRONIC CONTROL  
 ENGINE CONTROL  
 NUMERICAL CONTROL  
 REMOTE CONTROL  
 SOLENOID VALVES  
 VOLTAGE CONTROLLED OSCILLATORS

**ELECTRIC CORONA**

UF CORONA DISCHARGES  
 GS CORONAS  
 . **ELECTRIC CORONA**  
 . ELECTRIC CURRENT  
 . ELECTRIC DISCHARGES  
 . . . **ELECTRIC CORONA**

## ELECTRIC CURRENT

### ELECTRIC CORONA-(CONT.)

RT ATMOSPHERIC ELECTRICITY  
ELECTROHYDRODYNAMICS  
GLOW DISCHARGES  
IONIZATION  
SOLAR CORONA  
STATIC ELECTRICITY

### ELECTRIC CURRENT

UF AMPERAGE  
ELECTROSEISMIC EFFECT  
HALL CURRENTS  
PHOTOCURRENTS  
GS **ELECTRIC CURRENT**  
. ALTERNATING CURRENT  
. BEAM CURRENTS  
. BRILLOUIN FLOW  
. DIRECT CURRENT  
. EDDY CURRENTS  
. ELECTRIC DISCHARGES  
. ARC DISCHARGES  
. ELECTRIC ARCS  
. CARBON ARCS  
. MERCURY ARCS  
. ELECTRIC CORONA  
. ELECTRIC SPARKS  
. ELECTRODELESS DISCHARGES  
. FLASHOVER  
. GLOW DISCHARGES  
. LIGHTNING  
. BALL LIGHTNING  
. MULTIPACTOR DISCHARGES  
. PENNING DISCHARGE  
. RADIO FREQUENCY DISCHARGE  
. SAINT ELMO FIRE  
. TOWNSEND DISCHARGE  
. GAS DISCHARGES  
. TOROIDAL DISCHARGE  
. RING DISCHARGE  
. EXTERNAL SURFACE CURRENTS  
. HIGH CURRENT  
. IONOSPHERIC CURRENTS  
. ELECTROJETS  
. AURORAL ELECTROJETS  
. EQUATORIAL ELECTROJET  
. LINE CURRENT  
. LOW CURRENTS  
. PLASMA CURRENTS  
. RING CURRENTS  
. SHORT CIRCUIT CURRENTS  
. TELLURIC CURRENTS  
. THRESHOLD CURRENTS  
RT AMMETERS  
CIRCUITS  
CURRENT CONVERTERS (AC TO DC)  
CURRENT DENSITY  
CURRENT REGULATORS  
CURRENT SHEETS  
 $\infty$  CURRENTS  
ELECTRICAL RESISTIVITY  
ELECTRICITY  
HIGH VOLTAGES  
HYDROELECTRICITY  
INVERTED CONVERTERS (DC TO AC)  
KIRCHHOFF LAW OF NETWORKS  
LEVITATION MELTING  
LIENARD POTENTIAL  
LOW CONDUCTIVITY  
MICROMILLIAMMETERS  
OHMS LAW  
POWER CONDITIONING  
SYSTEM GENERATED  
ELECTROMAGNETIC PULSES  
TRANSMISSION LINES  
VOLT-AMPERE CHARACTERISTICS

### ELECTRIC DIPOLES

GS ELECTRIC CHARGE  
. **ELECTRIC DIPOLES**  
. ORBITING DIPOLES  
RT  $\infty$  DIPOLES  
MAGNETIC DIPOLES

### ELECTRIC DISCHARGES

GS ELECTRIC CURRENT  
. **ELECTRIC DISCHARGES**  
. ARC DISCHARGES  
. ELECTRIC ARCS  
. CARBON ARCS  
. MERCURY ARCS  
. ELECTRIC CORONA  
. ELECTRIC SPARKS  
. ELECTRODELESS DISCHARGES  
. FLASHOVER  
. GLOW DISCHARGES

### ELECTRIC DISCHARGES-(CONT.)

. . . LIGHTNING  
. . . BALL LIGHTNING  
. . . MULTIPACTOR DISCHARGES  
. . . PENNING DISCHARGE  
. . . RADIO FREQUENCY DISCHARGE  
. . . SAINT ELMO FIRE  
. . . TOWNSEND DISCHARGE  
. . . GAS DISCHARGES  
. . . TOROIDAL DISCHARGE  
. . . RING DISCHARGE  
RT AVALANCHES  
CORONAS  
 $\infty$  DISCHARGE  
DUOPLASMATRONS  
ELECTRON EMISSION  
ELECTROSTATIC CHARGE  
 $\infty$  FLASH  
IONIZATION  
LIGHTNING SUPPRESSION  
MOLNIYA SATELLITES  
PLASMA CURRENTS  
SPACE CHARGE  
ZENER EFFECT

### ELECTRIC ENERGY STORAGE

GS ENERGY STORAGE  
. **ELECTRIC ENERGY STORAGE**  
RT CAPACITORS  
DIRECT POWER GENERATORS  
ELECTRETS  
INDUCTORS  
POTENTIAL ENERGY

### $\infty$ ELECTRIC EQUIPMENT

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
UF ELECTRIC APPLIANCES  
RT AIRBORNE EQUIPMENT  
CIRCUITS  
CURRENT REGULATORS  
ELECTRIC GENERATORS  
ELECTRIC POWER TRANSMISSION  
ELECTRICITY  
ELECTROMECHANICAL DEVICES  
ELECTRONIC EQUIPMENT  
HEATING EQUIPMENT  
HOMOPOLAR GENERATORS  
LIGHTING EQUIPMENT  
LOGISTICS  
MINIATURE ELECTRONIC EQUIPMENT  
MOTORS  
SOLENOID VALVES  
UTILITIES  
VOLTAGE CONVERTERS (AC TO AC)  
VOLTAGE CONVERTERS (DC TO DC)  
WELDING MACHINES

### ELECTRIC EQUIPMENT TESTS

SN (CHECKOUT OF ELECTRICAL  
EQUIPMENT)  
RT ELECTRICAL MEASUREMENT  
ELECTRONIC EQUIPMENT TESTS  
GROUND TESTS  
 $\infty$  TESTS

### ELECTRIC FIELD STRENGTH

GS FIELD STRENGTH  
. **ELECTRIC FIELD STRENGTH**  
RT COULOMB POTENTIAL  
 $\infty$  FORCE  
H WAVES  
 $\infty$  STRENGTH

### ELECTRIC FIELDS

UF ELECTROSTATIC FIELDS  
RT BARIUM ION CLOUDS  
CAVITONS  
CONSTITUTIVE EQUATIONS  
COULOMB POTENTIAL  
CROSSED FIELDS  
DIELECTRIC POLARIZATION  
ELECTRETS  
ELECTRODYNAMICS  
ELECTROMAGNETISM  
ELECTROMECHANICS  
ELECTROSTATIC CHARGE  
ELECTROSTATICS  
EXTERNAL SURFACE CURRENTS  
FIELD EMISSION  
FIELD STRENGTH  
 $\infty$  FIELDS  
LIENARD POTENTIAL  
MAGNETIC FIELDS

### ELECTRIC FIELDS-(CONT.)

PERMITTIVITY  
POLARITY  
SPACECRAFT CHARGING  
SPARK GAPS  
STARK EFFECT  
STATIC ELECTRICITY

### ELECTRIC FILTERS

GS ELECTROMAGNETIC WAVE FILTERS  
. **ELECTRIC FILTERS**  
. BANDSTOP FILTERS  
. CRYSTAL FILTERS  
. DIGITAL FILTERS  
. FIR FILTERS  
. MICROWAVE FILTERS  
. RADAR FILTERS  
. RADIO FILTERS  
. TRACKING FILTERS  
. WAVEGUIDE FILTERS  
RT ADAPTIVE FILTERS  
BANDPASS FILTERS  
CAPACITORS  
CIRCUITS  
ELECTRONIC FILTERS  
 $\infty$  FILTERS  
HIGH PASS FILTERS  
INFRARED FILTERS  
KALMAN FILTERS  
LINEAR FILTERS  
LOW PASS FILTERS  
NONLINEAR FILTERS  
OPTICAL FILTERS  
RC CIRCUITS  
RECEIVERS  
REDUCED ORDER FILTERS  
RESISTORS  
TRANSFORMERS  
ULTRAVIOLET FILTERS  
WIENER FILTERING

### ELECTRIC FURNACES

GS HEATING EQUIPMENT  
. FURNACES  
. **ELECTRIC FURNACES**  
RT  $\infty$  MATERIALS  
SPACE PROCESSING

### ELECTRIC FUSES

RT CIRCUIT PROTECTION  
DISCONNECT DEVICES  
 $\infty$  FUSES

### ELECTRIC GENERATORS

UF ELECTRIC POWER CONVERSION  
ELECTROGENERATORS  
POWER GENERATORS  
GS **ELECTRIC GENERATORS**  
. DIRECT POWER GENERATORS  
. ELECTROSTATIC GENERATORS  
. FUEL CELLS  
. BIOCHEMICAL FUEL CELLS  
. HYDROGEN OXYGEN FUEL CELLS  
. PHOSPHORIC ACID FUEL CELLS  
. REGENERATIVE FUEL CELLS  
. MAGNETOHYDRODYNAMIC  
GENERATORS  
. PHOTOELECTRIC GENERATORS  
. PHOTOVOLTAIC CELLS  
. SOLAR CELLS  
. VERTICAL JUNCTION SOLAR  
CELLS  
. PRIMARY BATTERIES  
. ALKALINE BATTERIES  
. DRY CELLS  
. MAGNESIUM CELLS  
. NICKEL ZINC BATTERIES  
. METAL AIR BATTERIES  
. ZINC-OXYGEN BATTERIES  
. SODIUM SULFUR BATTERIES  
. THERMAL BATTERIES  
. RADIOISOTOPE BATTERIES  
. SNAP 7  
. SNAP 8A  
. SNAP 11  
. SNAP 13  
. SNAP 15  
. SNAP 17  
. SNAP 19  
. SNAP 21  
. SNAP 23  
. SNAP 27  
. SNAP 29  
. THERMIONIC CONVERTERS  
. SNAP 13

## ELECTRIC PULSES

### ELECTRIC GENERATORS-(CONT.)

- ... SOLAR BLANKETS
- ... THERMOELECTRIC GENERATORS
- ... SNAP 3
- ... SNAP 7
- ... SNAP 9A
- ... SNAP 10A
- ... SNAP 11
- ... SNAP 15
- ... SNAP 17
- ... SNAP 19
- ... SNAP 21
- ... SNAP 23
- ... SNAP 27
- ... SNAP 29
- ... SOLAR SEA POWER PLANTS
- ... ROTATING GENERATORS
- ... AC GENERATORS
- ... STATIC ALTERNATORS
- ... AMPLIDYNES
- ... DYNAMOMETERS
- ... HOMOPOLAR GENERATORS
- ... TURBOGENERATORS
- ... ASTEC SOLAR TURBOELECTRIC GENERATOR
- ... SOLAR GENERATORS
- ... SOLAR AUXILIARY POWER UNITS
- ... ASTEC SOLAR TURBOELECTRIC GENERATOR
- ... SUNFLOWER POWER SYSTEM
- ... SOLAR CELLS
- ... VERTICAL JUNCTION SOLAR CELLS
- ... SOLAR DYNAMIC POWER SYSTEMS
- RT AIRCRAFT POWER SUPPLIES
- ARC GENERATORS
- ARMATURES
- AUXILIARY POWER SOURCES
- BRUSHES
- BRUSHES (ELECTRICAL CONTACTS)
- CLOSED CYCLES
- COGENERATION
- COMBINED CYCLE POWER GENERATION
- ∞ CONVERSION
- ∞ CONVERTERS
- ∞ ELECTRIC CELLS
- ∞ ELECTRIC EQUIPMENT
- ELECTRICAL ENGINEERING
- ELECTROMOTIVE FORCES
- ∞ ENERGY SOURCES
- ∞ GENERATORS
- NUCLEAR ELECTRIC POWER GENERATION
- ∞ POWER
- POWER CONDITIONING
- ∞ POWER SUPPLIES
- SNAP
- SOLAR PONDS (HEAT STORAGE)
- STATIC INVERTERS
- THERMONUCLEAR POWER GENERATION
- TIDE POWERED GENERATORS
- WINDMILLS (WINDPOWERED MACHINES)
- WINDPOWERED GENERATORS

### ELECTRIC HYBRID VEHICLES

- GS SURFACE VEHICLES
- ... **ELECTRIC HYBRID VEHICLES**
- RT AUTOMOBILES
- INTERNAL COMBUSTION ENGINES
- ∞ ROTATING ELECTRICAL MACHINES
- ∞ VEHICLES

### ELECTRIC IGNITION

- GS IGNITION
- ... **ELECTRIC IGNITION**
- RT IGNITERS
- IGNITION SYSTEMS
- SPARK IGNITION
- SQUIBS
- STARTING

### ELECTRIC IMPULSES

- USE ELECTRIC PULSES

### ELECTRIC MOMENTS

- GS ELECTRICAL PROPERTIES
- ... **ELECTRIC MOMENTS**
- MOMENTS
- ... DIPOLE MOMENTS
- ... **ELECTRIC MOMENTS**
- RT MAGNETIC MOMENTS
- POLARIZATION (CHARGE SEPARATION)

### ELECTRIC MOTOR VEHICLES

- GS SURFACE VEHICLES
- ... MOTOR VEHICLES

### ELECTRIC MOTOR VEHICLES-(CONT.)

- ... **ELECTRIC MOTOR VEHICLES**
- RT AUTOMATED TRANSIT VEHICLES
- AUTOMOBILES
- CRAWLER TRACTORS
- RESEARCH VEHICLES
- ROADWAY POWERED VEHICLES
- TEST VEHICLES
- TRACTORS
- TRUCKS
- ∞ VEHICLES

### ELECTRIC MOTORS

- GS MOTORS
- ... **ELECTRIC MOTORS**
- ... ASYNCHRONOUS MOTORS
- ... INDUCTION MOTORS
- ... MICROMOTORS
- ... STEPPING MOTORS
- ... SYNCHRONOUS MOTORS
- ... TORQUE MOTORS
- RT AMPLIDYNES
- ARMATURES
- BRUSHES
- BRUSHES (ELECTRICAL CONTACTS)
- CIRCUITS
- COMMUTATORS
- DECOMMUTATORS
- POWER FACTOR CONTROLLERS
- ∞ ROTATING ELECTRICAL MACHINES
- SERVOMECHANISMS
- SERVOMOTORS
- STATORS
- TRANSFORMERS

### ELECTRIC NETWORKS

- RT IMPEDANCE MATCHING
- ∞ NETWORKS
- SNEAK CIRCUIT ANALYSIS
- VOLTAGE CONTROLLED OSCILLATORS

### ELECTRIC OUTLETS

- RT ∞ POWER TRANSMISSION

### ELECTRIC POTENTIAL

- UF VOLTAGE
- GS POTENTIAL ENERGY
- ... **ELECTRIC POTENTIAL**
- ... BIOELECTRIC POTENTIAL
- ... CONTACT POTENTIALS
- ... COULOMB POTENTIAL
- ... LIENARD POTENTIAL
- ... LOW VOLTAGE
- ... OPEN CIRCUIT VOLTAGE
- ... PHOTOVOLTAGES
- ... QUANTUM WELLS
- ... SPIKE POTENTIALS
- ... THRESHOLD VOLTAGE
- RT BARRITT DIODES
- BIAS
- CAPACITANCE-VOLTAGE CHARACTERISTICS
- ELECTROMOTIVE FORCES
- GIBBS-HELMHOLTZ EQUATIONS
- HIGH VOLTAGES
- IONIZATION POTENTIALS
- KIRCHHOFF LAW OF NETWORKS
- OVERVOLTAGE
- ∞ POTENTIAL
- POTENTIOMETERS (INSTRUMENTS)
- POWER CONDITIONING
- STATIC ELECTRICITY
- TRANSCONDUCTANCE
- VOLT-AMPERE CHARACTERISTICS

### ∞ ELECTRIC POWER

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- UF ELECTRICAL ENERGY
- RT AUXILIARY POWER SOURCES
- ELECTRIC BATTERIES
- ELECTRIC CURRENT
- ELECTRIC POWER PLANTS
- ELECTRIC PROPULSION
- ELECTRICAL PROPERTIES
- ELECTRICITY
- ELECTRIFICATION
- GEOHERMAL ENERGY UTILIZATION
- HYDROELECTRICITY
- INDUCTION MOTORS
- POYNTING THEOREM
- TOKAMAK DEVICES
- TURBOGENERATORS
- UTILITIES

### ELECTRIC POWER-(CONT.)

- VOLTAGE CONVERTERS (AC TO AC)
- VOLTAGE CONVERTERS (DC TO DC)

### ELECTRIC POWER CONVERSION

- USE ELECTRIC GENERATORS

### ELECTRIC POWER PLANTS

- GS **ELECTRIC POWER PLANTS**
- ... FUEL CELL POWER PLANTS
- ... NUCLEAR POWER PLANTS
- ... ENRICO FERMI ATOMIC POWER PLANT
- ... HALLAM NUCLEAR POWER FACILITY
- ... ML-1 NUCLEAR POWER PLANT
- ... SOLAR THERMAL ELECTRIC POWER PLANTS
- RT COGENERATION
- COMBINED CYCLE POWER GENERATION
- ∞ ELECTRIC POWER
- ELECTRICAL ENGINEERING
- ∞ FACILITIES
- FLUE GASES
- FLY ASH
- HYDROELECTRIC POWER STATIONS
- INTEGRATED ENERGY SYSTEMS
- MODULAR INTEGRATED UTILITY SYSTEM
- ∞ POWER PLANTS
- SOLAR SEA POWER PLANTS

### ELECTRIC POWER SUPPLIES

- GS **ELECTRIC POWER SUPPLIES**
- ... AIRCRAFT POWER SUPPLIES
- ... SOLAR DYNAMIC POWER SYSTEMS
- ... SPACE STATION POWER SUPPLIES
- ... SPACECRAFT POWER SUPPLIES
- RT AUXILIARY POWER SOURCES
- COMPULSATORS
- INDUCTION MOTORS
- LINE CURRENT
- PAYLOAD DELIVERY (STS)
- ∞ POWER SUPPLIES

### ELECTRIC POWER TRANSMISSION

- GS TRANSMISSION
- RT **ELECTRIC POWER TRANSMISSION**
- CIRCUIT PROTECTION
- CIRCUITS
- ∞ CONDUCTION
- ∞ ELECTRIC EQUIPMENT
- ELECTRICAL ENGINEERING
- ELECTRIFICATION
- HYDROELECTRIC POWER STATIONS
- ∞ NETWORKS
- POLES (SUPPORTS)
- POWER LINES
- ∞ POWER TRANSMISSION
- POWER TRANSMISSION (LASERS)
- SUPERCONDUCTING POWER TRANSMISSION
- TRANSMISSION CIRCUITS
- TRANSMISSION LINES
- TRANSMISSION LOSS
- UNDERGROUND TRANSMISSION LINES

### ELECTRIC PROPULSION

- SN (EXCLUDES PROPULSION USING ELECTRIC MOTORS AS PRIME MOVERS)
- GS PROPULSION
- ... **ELECTRIC PROPULSION**
- ... ELECTROMAGNETIC PROPULSION
- ... ELECTROSTATIC PROPULSION
- ... ION PROPULSION
- ... LASER PROPULSION
- ... PLASMA PROPULSION
- ... SOLAR ELECTRIC PROPULSION
- RT ARC JET ENGINES
- ∞ ELECTRIC POWER
- LOW THRUST PROPULSION
- MARINE PROPULSION
- NUCLEAR ELECTRIC PROPULSION
- PLASMA POWER SOURCES
- RIFT (REACTOR IN FLIGHT TEST)
- SERT 1 SPACECRAFT
- SERT 2 SPACECRAFT
- SPACE STATION PROPULSION
- SPACECRAFT PROPULSION
- TWO STAGE PLASMA ENGINES
- UNDERWATER PROPULSION

### ELECTRIC PULSES

- UF ELECTRIC IMPULSES
- GS PULSES
- ... **ELECTRIC PULSES**
- RT ELECTROMAGNETIC PULSES

## ELECTRIC REACTORS

### ELECTRIC PULSES-(CONT.)

PULSE AMPLITUDE  
PULSE DURATION  
PULSE GENERATORS  
PULSE MODULATION  
PULSE RATE  
∞ SIGNALS  
SYSTEM GENERATED  
ELECTROMAGNETIC PULSES

### ELECTRIC REACTORS

GS **ELECTRIC REACTORS**  
SATURABLE REACTORS  
RT CAPACITORS  
CIRCUIT PROTECTION  
∞ REACTORS  
RESISTORS  
TRANSFORMERS

### ELECTRIC RELAYS

SN (EXCLUDES COMMUNICATION SYSTEM  
REPEATERS)  
GS SWITCHES  
RT **ELECTRIC RELAYS**  
ARMATURES  
CIRCUIT BREAKERS  
DISCONNECT DEVICES  
INTERRUPTION  
∞ RELAY  
SELECTORS  
SOLENOID VALVES  
SOLENOIDS  
SWITCHING CIRCUITS  
TIME LAG

### ELECTRIC ROCKET ENGINES

GS ENGINES  
ROCKET ENGINES  
∞ **ELECTRIC ROCKET ENGINES**  
ELECTROSTATIC ENGINES  
ELECTROTHERMAL ENGINES  
ARC JET ENGINES  
RESISTOJET ENGINES  
ION ENGINES  
CESIUM ENGINES  
MERCURY ION ENGINES  
RIT ENGINES  
RT MICROROCKET ENGINES  
PULSED JET ENGINES  
RESTARTABLE ROCKET ENGINES  
SERT 1 SPACECRAFT  
SERT 2 SPACECRAFT  
SPACE ELECTRIC ROCKET TESTS  
SUSTAINER ROCKET ENGINES  
VERNIER ENGINES

### ELECTRIC SPARKS

UF SPARK DISCHARGES  
GS ELECTRIC CURRENT  
ELECTRIC DISCHARGES  
∞ **ELECTRIC SPARKS**  
SPARKS  
RT **ELECTRIC SPARKS**  
FLASHOVER  
GAS DISCHARGES  
IONIZATION  
LIGHTNING  
SPARK CHAMBERS  
SPARK GAPS  
SPARK IGNITION  
SPARK PLUGS  
STATIC ELECTRICITY

### ELECTRIC STIMULI

RT PHYSIOLOGY  
∞ STIMULI

### ELECTRIC SWITCHES

GS SWITCHES  
ELECTRIC SWITCHES  
CRYOTRONS  
STEPPING SWITCHES  
THERMOSTATS  
VACUUM ARC SWITCHES  
RT CONTACTORS  
CRYOSTATS  
CURRENT REGULATORS  
DROPOUTS  
ELECTRONIC CONTROL  
PRESSURE SWITCHES  
SOLENOID VALVES  
SWITCHING CIRCUITS  
VOLTAGE REGULATORS

### ELECTRIC TERMINALS

RT ELECTRIC CONNECTORS  
NETWORK ANALYSIS  
∞ TERMINALS

### ELECTRIC WELDING

GS WELDING  
ELECTRIC WELDING  
ARC WELDING  
GAS TUNGSTEN ARC WELDING  
PLASMA ARC WELDING  
ELECTRON BEAM WELDING  
ELECTROSLAG WELDING  
RT FLASH WELDING  
FUSION WELDING  
PRESSURE WELDING  
SPOT WELDS  
WELDING MACHINES

### ELECTRIC WIRE

UF ELECTRIC WIRING  
GS CONDUCTORS  
ELECTRIC WIRE  
WIRE  
RT **ELECTRIC WIRE**  
BUS CONDUCTORS  
CIRCUITS  
COMMUNICATION CABLES  
ELECTRICAL INSULATION  
EXPLODING WIRES  
FLAT CONDUCTORS  
POWER LINES  
TRANSMISSION LINES  
WIRE BRIDGE CIRCUITS

### ELECTRIC WIRING

USE ELECTRIC WIRE  
WIRING

### ELECTRICAL BREAKDOWN

USE ELECTRICAL FAULTS

### ELECTRICAL CONDUCTIVITY

USE ELECTRICAL RESISTIVITY

### ELECTRICAL CONDUCTIVITY METERS

GS MEASURING INSTRUMENTS  
CONDUCTIVITY METERS  
RT **ELECTRICAL CONDUCTIVITY METERS**  
OHMMETERS

### ELECTRICAL ENERGY

USE ELECTRIC POWER

### ELECTRICAL ENGINEERING

RT ELECTRIC GENERATORS  
ELECTRIC POWER PLANTS  
ELECTRIC POWER TRANSMISSION  
∞ ELECTRONICS  
ENGINEERING  
POWER TRANSMISSION  
SYSTEMS ENGINEERING  
TRANSMISSION LINES  
TURBOGENERATORS

### ELECTRICAL FAULTS

UF ELECTRICAL BREAKDOWN  
VOLTAGE BREAKDOWN  
GS **ELECTRICAL FAULTS**  
SHORT CIRCUITS  
RT ∞ BREAKDOWN  
CIRCUIT PROTECTION  
ELECTRIC ARCS  
FAILURE  
∞ FAULTS  
FLASHOVER  
SNEAK CIRCUIT ANALYSIS  
SPARK GAPS

### ELECTRICAL GROUNDING

RT CIRCUIT PROTECTION  
CIRCUITS  
NOISE REDUCTION  
TRANSFORMERS

### ELECTRICAL IMPEDANCE

UF ADMITTANCE  
IMMITTANCE  
GS ELECTRICAL PROPERTIES  
ELECTRICAL IMPEDANCE  
ELECTRICAL RESISTANCE  
CONTACT RESISTANCE  
SKIN RESISTANCE  
TRANSCONDUCTANCE

### ELECTRICAL IMPEDANCE-(CONT.)

REACTANCE  
IMPEDANCE  
ELECTRICAL IMPEDANCE  
ELECTRICAL RESISTANCE  
CONTACT RESISTANCE  
SKIN RESISTANCE  
TRANSCONDUCTANCE  
REACTANCE  
RT CAPACITANCE  
IMPEDANCE MATCHING  
IMPEDANCE MEASUREMENT  
INDUCTANCE  
LATCH-UP  
OHMMETERS  
SMITH CHART

### ELECTRICAL INSULATION

UF NONCONDUCTORS  
GS INSULATION  
RT **ELECTRICAL INSULATION**  
ASBESTOS  
CIRCUIT PROTECTION  
DIELECTRICS  
ELECTRIC CONDUCTORS  
ELECTRIC WIRE  
EXCITONS  
∞ INSULATED STRUCTURES  
INSULATORS  
WIRING

### ELECTRICAL LEADS

USE ELECTRIC CONDUCTORS

### ELECTRICAL MEASUREMENT

SN (MEASUREMENT OF ELECTRICAL  
PROPERTIES, QUANTITIES, OR  
CONDITIONS)  
UF VOLTAGE MEASUREMENT  
GS **ELECTRICAL MEASUREMENT**  
COULOMETRY  
POLAROGRAPHY  
RT AMMETERS  
BOLOMETERS  
COULOMETERS  
ELECTRIC BRIDGES  
ELECTRIC EQUIPMENT TESTS  
ELECTROMAGNETIC MEASUREMENT  
ELECTROMETERS  
ELECTRONIC EQUIPMENT TESTS  
FLOWMETERS  
IMPEDANCE MEASUREMENT  
MAGNETOMETERS  
∞ MEASUREMENT  
MEASURING INSTRUMENTS  
MICROMILLIAMMETERS  
MISMATCH (ELECTRICAL)  
OHMMETERS  
OSCILLOGRAPHS  
POTENTIOMETERS (INSTRUMENTS)  
WATTMETERS

### ELECTRICAL PROPERTIES

UF BARDEEN APPROXIMATION  
GS **ELECTRICAL PROPERTIES**  
ANTIFERROELECTRICITY  
CAPACITANCE  
CAPACITANCE-VOLTAGE  
CHARACTERISTICS  
CARRIER MOBILITY  
ELECTRON MOBILITY  
HOLE MOBILITY  
CHARGE DISTRIBUTION  
DIELECTRIC PROPERTIES  
PERMITTIVITY  
ELECTRIC MOMENTS  
ELECTRICAL IMPEDANCE  
ELECTRICAL RESISTANCE  
CONTACT RESISTANCE  
SKIN RESISTANCE  
TRANSCONDUCTANCE  
REACTANCE  
ELECTRICAL RESISTIVITY  
IONOSPHERIC CONDUCTIVITY  
MAGNETORESISTIVITY  
PHOTOCONDUCTIVITY  
PLASMA CONDUCTIVITY  
SUPERCONDUCTIVITY  
KONDO EFFECT  
ELECTROSTRICTION  
FERROELECTRICITY  
INDUCTANCE  
PROXIMITY EFFECT (ELECTRICITY)  
PHOTOVOLTIC EFFECT  
PIEZOELECTRICITY

**ELECTRICAL PROPERTIES-(CONT.)**

RT ∞ PYROELECTRICITY  
 ∞ CONDUCTIVITY  
 CRYSTAL OSCILLATORS  
 DIAMAGNETISM  
 DIPOLE MOMENTS  
 DOMAINS  
 EDDY CURRENTS  
 ELECTRIC CHARGE  
 ∞ ELECTRIC POWER  
 ELECTRICITY  
 ELECTROMAGNETIC PROPERTIES  
 FIELD STRENGTH  
 HYSTERESIS  
 IMPEDANCE  
 MAGNETIC PROPERTIES  
 OPEN CIRCUIT VOLTAGE  
 OPTICAL PROPERTIES  
 PHOTOELECTRIC EMISSION  
 PHOTOELECTRICITY  
 ∞ PHYSICAL PROPERTIES  
 ∞ PROPERTIES  
 QUALITY CONTROL  
 ∞ RESISTANCE  
 ∞ SOLID STATE PHYSICS  
 STANDING WAVE RATIOS

**ELECTRICAL RESISTANCE**

GS ELECTRICAL PROPERTIES  
 . ELECTRICAL IMPEDANCE  
 . . . **ELECTRICAL RESISTANCE**  
 . . . CONTACT RESISTANCE  
 . . . SKIN RESISTANCE  
 . . . TRANSDUCANCE  
 IMPEDANCE  
 . ELECTRICAL IMPEDANCE  
 . . . **ELECTRICAL RESISTANCE**  
 . . . CONTACT RESISTANCE  
 . . . SKIN RESISTANCE  
 . . . TRANSDUCANCE  
 RT GALVANIC SKIN RESPONSE  
 ∞ HIGH RESISTANCE  
 LINEAR CIRCUITS  
 ∞ LOW RESISTANCE  
 MANGANIN (TRADEMARK)  
 OHMMETERS  
 OHMS LAW  
 RC CIRCUITS  
 REACTANCE  
 ∞ RESISTANCE  
 RL CIRCUITS  
 RLC CIRCUITS

**ELECTRICAL RESISTIVITY**

UF ELECTRICAL CONDUCTIVITY  
 ELECTROCONDUCTIVITY  
 RESISTIVITY  
 GS ELECTRICAL PROPERTIES  
 . **ELECTRICAL RESISTIVITY**  
 . . . IONOSPHERIC CONDUCTIVITY  
 . . . MAGNETORESISTIVITY  
 . . . PHOTOCONDUCTIVITY  
 . . . PLASMA CONDUCTIVITY  
 . . . SUPERCONDUCTIVITY  
 . . . KONDO EFFECT  
 TRANSPORT PROPERTIES  
 . **ELECTRICAL RESISTIVITY**  
 . . . IONOSPHERIC CONDUCTIVITY  
 . . . MAGNETORESISTIVITY  
 . . . PHOTOCONDUCTIVITY  
 . . . PLASMA CONDUCTIVITY  
 . . . SUPERCONDUCTIVITY  
 . . . KONDO EFFECT  
 RT AIR CONDUCTIVITY  
 ATMOSPHERIC CONDUCTIVITY  
 CARRIER MOBILITY  
 ∞ CONDUCTIVITY  
 ELECTRIC CONDUCTORS  
 ELECTRIC CURRENT  
 ELECTROMIGRATION  
 HIGH TEMPERATURE  
 SUPERCONDUCTORS  
 LOW CONDUCTIVITY  
 OPEN CIRCUIT VOLTAGE  
 PLASMA CURRENTS  
 ∞ RESISTANCE

**ELECTRICALLY SUSPENDED GYROSCOPES**

USE ELECTROSTATIC GYROSCOPES

**ELECTRICITY**

GS **ELECTRICITY**  
 . ALTERNATING CURRENT  
 . ATMOSPHERIC ELECTRICITY  
 . . . IONOSPHERIC CURRENTS

**ELECTRICITY-(CONT.)**

. . . ELECTROJETS  
 . . . . . AURORAL ELECTROJETS  
 . . . . . EQUATORIAL ELECTROJET  
 . GEOELECTRICITY  
 . . . TELLURIC CURRENTS  
 . HYDROELECTRICITY  
 . . . STATIC ELECTRICITY  
 RT ELECTRIC CURRENT  
 ∞ ELECTRIC EQUIPMENT  
 ∞ ELECTRIC POWER  
 ELECTRICAL PROPERTIES  
 ELECTROMAGNETISM  
 ∞ ELECTRONICS  
 LIGHTNING  
 MAXWELL EQUATION  
 OHMS LAW  
 PHOTOELECTRICITY  
 PIEZOELECTRICITY  
 PROXIMITY EFFECT (ELECTRICITY)

**ELECTRIFICATION**

RT ∞ ELECTRIC POWER  
 ELECTRIC POWER TRANSMISSION  
 ∞ POWER TRANSMISSION  
 TRANSMISSION LINES

**ELECTRO-OPTICAL EFFECT**

RT ∞ EFFECTS  
 ∞ KERR EFFECTS  
 LIGHT MODULATION  
 NONLINEAR OPTICS  
 ∞ OPTICS

**ELECTRO-OPTICAL PHOTOGRAPHY**

UF ELECTRONIC PHOTOGRAPHY  
 GS IMAGERY  
 . **ELECTRO-OPTICAL PHOTOGRAPHY**  
 PHOTOGRAPHY  
 . **ELECTRO-OPTICAL PHOTOGRAPHY**  
 RT ASTRONOMICAL PHOTOGRAPHY  
 BLACK AND WHITE PHOTOGRAPHY  
 IMAGE RESOLUTION  
 LALLEMAND CAMERAS  
 OPTICAL MEASUREMENT  
 ∞ OPTICS  
 STREAK PHOTOGRAPHY

**ELECTRO-OPTICAL SWITCHING**

USE OPTICAL SWITCHING

**ELECTRO-OPTICS**

GS ELECTROPHYSICS  
**ELECTRO-OPTICS**  
 RT ACOUSTO-OPTICS  
 BIREFRINGENCE  
 CHARGE INJECTION DEVICES  
 ELECTROCHROMISM  
 ELECTROLUMINESCENCE  
 ELECTRON OPTICS  
 INTEGRATED OPTICS  
 KERR ELECTROOPTICAL EFFECT  
 LASER MICROSCOPY  
 LIGHT VALVES  
 MAGNETO-OPTICS  
 OPTICAL COMPUTERS  
 OPTICAL RELAY SYSTEMS  
 OPTICAL SWITCHING  
 ∞ OPTICS  
 OPTOELECTRONIC DEVICES  
 PHOTONICS  
 POSITION SENSING  
 PUSHBROOM SENSOR MODES  
 STARK EFFECT

**ELECTROACOUSTIC TRANSDUCERS**

GS TRANSDUCERS  
 . SOUND TRANSDUCERS  
 . . . **ELECTROACOUSTIC TRANSDUCERS**  
 . . . HYDROPHONES  
 . . . LOUDSPEAKERS  
 . . . MICROPHONES  
 RT ELECTROACOUSTICS  
 INTERDIGITAL TRANSDUCERS  
 SURFACE ACOUSTIC WAVE DEVICES

**ELECTROACOUSTIC WAVES**

GS ELASTIC WAVES  
 . SOUND WAVES  
 . . . **ELECTROACOUSTIC WAVES**  
 RT ELECTROACOUSTICS  
 ELECTROMAGNETIC RADIATION  
 PLASMA WAVES  
 PRESSURE SENSORS  
 WAVE INTERACTION

**ELECTROCHEMICAL MACHINING****ELECTROACOUSTIC WAVES-(CONT.)**

∞ WAVES

**ELECTROACOUSTICS**

GS ACOUSTICS  
 . **ELECTROACOUSTICS**  
 RT ELECTROACOUSTIC TRANSDUCERS  
 ELECTROACOUSTIC WAVES  
 SOUND TRANSDUCERS  
 SURFACE ACOUSTIC WAVE DEVICES  
 ULTRASONIC WAVE TRANSDUCERS  
 ULTRASONICS

**ELECTROANESTHESIA**

GS ANESTHESIA  
 . **ELECTROANESTHESIA**  
 RT ELECTRONARCOSIS

**ELECTROCARDIOGRAMS**

USE ELECTROCARDIOGRAPHY

**ELECTROCARDIOGRAPHY**

UF ELECTROCARDIOGRAMS  
 GS BIOENGINEERING  
 . BIOMETRICS  
 . . . CARDIOGRAPHY  
 . . . **ELECTROCARDIOGRAPHY**  
 RT BALLISTOCARDIOGRAPHY  
 BODY MEASUREMENT (BIOLOGY)  
 ELECTROPHYSIOLOGY  
 HEART DISEASES  
 MEDICAL ELECTRONICS  
 MUSCLES  
 PHONOCARDIOGRAPHY  
 VECTORCARDIOGRAPHY

**ELECTROCATALYSTS**

UF FUEL CELL CATALYSTS  
 GS CATALYSTS  
 . **ELECTROCATALYSTS**  
 RT FUEL CELLS

**ELECTROCHEMICAL CELLS**

GS **ELECTROCHEMICAL CELLS**  
 . ELECTRIC BATTERIES  
 . . . LITHIUM SULFUR BATTERIES  
 . . . NICKEL IRON BATTERIES  
 . . . PRIMARY BATTERIES  
 . . . ALKALINE BATTERIES  
 . . . DRY CELLS  
 . . . . . MAGNESIUM CELLS  
 . . . . . NICKEL ZINC BATTERIES  
 . . . METAL AIR BATTERIES  
 . . . ZINC-OXYGEN BATTERIES  
 . . . SODIUM SULFUR BATTERIES  
 . . . THERMAL BATTERIES  
 . . . REDOX CELLS  
 . . . STORAGE BATTERIES  
 . . . LEAD ACID BATTERIES  
 . . . NICKEL CADMIUM BATTERIES  
 . . . NICKEL HYDROGEN BATTERIES  
 . . . NICKEL ZINC BATTERIES  
 . . . SILVER CADMIUM BATTERIES  
 . . . SILVER HYDROGEN BATTERIES  
 . . . SILVER ZINC BATTERIES  
 . . . ZINC-BROMIDE BATTERIES  
 . . . ZINC-CHLORINE BATTERIES  
 . . . WET CELLS  
 . . . FUEL CELLS  
 . . . BIOCHEMICAL FUEL CELLS  
 . . . HYDROGEN OXYGEN FUEL CELLS  
 . . . PHOSPHORIC ACID FUEL CELLS  
 . . . REGENERATIVE FUEL CELLS  
 RT ∞ CELLS  
 ∞ ELECTRIC CELLS  
 ELECTROCHEMISTRY  
 PHOTOELECTRIC CELLS  
 PHOTOELECTROCHEMICAL DEVICES  
 PHOTOVOLTAIC CELLS

**ELECTROCHEMICAL CORROSION**

GS CORROSION  
 . **ELECTROCHEMICAL CORROSION**  
 RT ELECTRODISSOLUTION  
 ELECTROLYSIS  
 METAL-WATER REACTIONS

**ELECTROCHEMICAL MACHINING**

UF ELECTROLYTIC GRINDING  
 GS MACHINING  
 . CHEMICAL MACHINING  
 . . . **ELECTROCHEMICAL MACHINING**  
 RT ELECTROPOLISHING



## ELECTROCHEMICAL OXIDATION

**ELECTROCHEMICAL OXIDATION**  
 GS CHEMICAL REACTIONS  
 . OXIDATION  
 . . **ELECTROCHEMICAL OXIDATION**

**ELECTROCHEMISTRY**  
 GS **ELECTROCHEMISTRY**  
 . ELECTROLYSIS  
 . . COULOMETRY  
 . . PHOTOELECTROCHEMISTRY  
 RT  $\infty$  CHEMISTRY  
 CORROSION  
 COULOMETERS  
 ELECTROCHEMICAL CELLS  
 ELECTROCHROMISM  
 ELECTRODEPOSITION  
 ELECTRODES  
 ELECTRODISSOLUTION  
 ELECTROLYTES  
 ELECTROLYTIC CELLS  
 ELECTROPHYSICS  
 FUEL CELLS  
 GLASS ELECTRODES  
 NONAQUEOUS ELECTROLYTES  
 OXIDATION-REDUCTION REACTIONS  
 REDOX CELLS

**ELECTROCHROMISM**  
 RT COLOR  
 DISPLAY DEVICES  
 ELECTRO-OPTICS  
 ELECTROCHEMISTRY  
 THIN FILMS

**ELECTROCONDUCTIVITY**  
 USE ELECTRICAL RESISTIVITY

**ELECTROCUTANEOUS COMMUNICATION**  
 GS COMMUNICATING  
 . **ELECTROCUTANEOUS COMMUNICATION**  
 RT PERCEPTION  
 SENSORY PERCEPTION  
 TOUCH

**ELECTRODE FILM BARRIERS**  
 RT  $\infty$  BARRIERS  
 ELECTRODES  
 $\infty$  FILMS  
 POLARIZATION (CHARGE SEPARATION)  
 THIN FILMS

**ELECTRODE MATERIALS**  
 RT ANIONS  
 ANODES  
 ANODIC COATINGS  
 CATHODES  
 CATHODIC COATINGS  
 CELL ANODES  
 CELL CATHODES  
 ELECTRODES  
 PHOTOCATHODES  
 PHOTOELECTRIC CELLS  
 PHOTOELECTRIC MATERIALS  
 PHOTOELECTROCHEMICAL DEVICES  
 TUBE ANODES

**ELECTRODELESS DISCHARGES**  
 GS ELECTRIC CURRENT  
 . ELECTRIC DISCHARGES  
 . **ELECTRODELESS DISCHARGES**  
 RT  $\infty$  DISCHARGE  
 GAS DISCHARGES  
 GLOW DISCHARGES  
 LIGHTNING  
 PENNING DISCHARGE  
 RADIO FREQUENCY DISCHARGE  
 RING DISCHARGE  
 TOROIDAL DISCHARGE  
 TOWNSEND DISCHARGE

**ELECTRODEPOSITION**  
 GS DEPOSITION  
 . **ELECTRODEPOSITION**  
 . . ELECTROPLATING  
 RT CATHODIC COATINGS  
 CELL CATHODES  
 COULOMETERS  
 ELECTROCHEMISTRY  
 ELECTROFORMING  
 ELECTROLESS DEPOSITION  
 ELECTROLYSIS  
 ELECTROLYTES  
 ELECTROLYTIC CELLS  
 ELECTROPHORESIS

**ELECTRODEPOSITION-(CONT.)**  
 ELECTROWINNING  
 METAL MATRIX COMPOSITES  
 METAL POWDER  
 PLATING  
 POWDER METALLURGY  
 REDUCTION (CHEMISTRY)

**ELECTRODERMAL RESPONSE**  
 USE GALVANIC SKIN RESPONSE

**ELECTRODES**  
 GS **ELECTRODES**  
 . ANODES  
 . . CELL ANODES  
 . . SHELL ANODES  
 . . TUBE ANODES  
 . CATHODES  
 . . CELL CATHODES  
 . . HOLLOW CATHODES  
 . . TUBE CATHODES  
 . . . COLD CATHODES  
 . . . HOT CATHODES  
 . . . PHOTOCATHODES  
 . . . THERMIONIC CATHODES  
 . . . TUNNEL CATHODES  
 . DIFFUSION ELECTRODES  
 . DYNODES  
 . GLASS ELECTRODES  
 . IMPLANTED ELECTRODES (BIOLOGY)  
 . ION SELECTIVE ELECTRODES  
 . PLASMA ELECTRODES  
 . SOLID ELECTRODES  
 . TUBE GRIDS  
 RT COLD CATHODE TUBES  
 ELECTRIC BATTERIES  
 ELECTROCHEMISTRY  
 ELECTRODE FILM BARRIERS  
 ELECTRODE MATERIALS  
 ELECTROLYSIS  
 ELECTROPLATING  
 ELECTROREFINING  
 ELECTROWINNING  
 GRAPHITE  
 PHOTOMULTIPLIER TUBES  
 PHOTOTUBES  
 TAFEL LAW  
 TRANSCONDUCTANCE

**ELECTRODIALYSIS**  
 GS DIALYSIS  
 . **ELECTRODIALYSIS**  
 RT COLLOIDS  
 HYDROMETALLURGY  
 $\infty$  SEPARATION

**ELECTRODISSOLUTION**  
 RT DISSOCIATION  
 ELECTROCHEMICAL CORROSION  
 ELECTROCHEMISTRY  
 ELECTROLYSIS

**ELECTRODYNAMICS**  
 GS **ELECTRODYNAMICS**  
 . ELECTROHYDRODYNAMICS  
 . ELECTROMECHANICS  
 . QUANTUM ELECTRODYNAMICS  
 RT BORN-INFELD THEORY  
 $\infty$  DYNAMICS  
 ELECTRIC FIELDS  
 ELECTROMAGNETIC INTERACTIONS  
 ELECTROMECHANICAL DEVICES  
 LINE CURRENT  
 MAXWELL EQUATION  
 PONDEROMOTIVE FORCES  
 TRAVELING CHARGE

**ELECTRODYNAMOMETERS**  
 USE DYNAMOMETERS

**ELECTROENCEPHALOGRAM**  
 USE ELECTROENCEPHALOGRAPHY

**ELECTROENCEPHALOGRAPHY**  
 UF EEG (ELECTROENCEPHALOGRAMS)  
 ELECTROENCEPHALOGRAM  
 GS BIOENGINEERING  
 . BIOMETRICS  
 . . **ELECTROENCEPHALOGRAPHY**  
 RT AROUSAL  
 BODY MEASUREMENT (BIOLOGY)  
 BRAIN  
 ELECTROPHYSIOLOGY  
 MEDICAL ELECTRONICS  
 MEDICAL EQUIPMENT

**ELECTROEPITAXY**  
 GS GROWTH  
 . CRYSTAL GROWTH  
 . . EPITAXY  
 . . . **ELECTROEPITAXY**  
 RT CRYSTALS  
 HYDROTHERMAL CRYSTAL GROWTH  
 LIQUID PHASES  
 TRAVELING SOLVENT METHOD

**ELECTROEROSION**  
 USE SPARK MACHINING

**ELECTROEXPLOSIVE DEVICES**  
 USE INITIATORS (EXPLOSIVES)

**ELECTROFORMING**  
 GS FORMING TECHNIQUES  
 . **ELECTROFORMING**  
 RT DEPOSITION  
 ELECTRODEPOSITION  
 ELECTROLESS DEPOSITION  
 ELECTROPLATING  
 SPARK MACHINING

**ELECTROGENERATORS**  
 USE ELECTRIC GENERATORS

**ELECTROHYDRAULIC CONTROL**  
 USE ELECTRIC CONTROL  
 HYDRAULIC CONTROL

**ELECTROHYDRAULIC FORMING**  
 GS FORMING TECHNIQUES  
 . COLD WORKING  
 . **ELECTROHYDRAULIC FORMING**  
 RT EXPLOSIVE FORMING  
 METAL WORKING

**ELECTROHYDRODYNAMICS**  
 GS ELECTRODYNAMICS  
 . **ELECTROHYDRODYNAMICS**  
 . FLUID MECHANICS  
 . FLUID DYNAMICS  
 . . HYDRODYNAMICS  
 . . . **ELECTROHYDRODYNAMICS**  
 . . . HYDROMECHANICS  
 . . . HYDRODYNAMICS  
 . . . **ELECTROHYDRODYNAMICS**  
 RT ELECTRIC CORONA  
 ELECTROKINETICS  
 ELECTRON GAS  
 ELECTRON MOBILITY  
 ION DISTRIBUTION  
 IONIC MOBILITY  
 MAGNETOHYDRODYNAMICS

**ELECTROJETS**  
 GS ELECTRIC CURRENT  
 . IONOSPHERIC CURRENTS  
 . . **ELECTROJETS**  
 . . . AURORAL ELECTROJETS  
 . . . EQUATORIAL ELECTROJET  
 ELECTRICITY  
 . ATMOSPHERIC ELECTRICITY  
 . . IONOSPHERIC CURRENTS  
 . . . **ELECTROJETS**  
 . . . AURORAL ELECTROJETS  
 . . . EQUATORIAL ELECTROJET  
 RT EARTH IONOSPHERE  
 GEOMAGNETISM  
 IONOSPHERIC CONDUCTIVITY  
 IONOSPHERIC DRIFT  
 RING CURRENTS

**ELECTROKINETICS**  
 GS KINETICS  
 . **ELECTROKINETICS**  
 RT ELECTROHYDRODYNAMICS  
 ELECTROMAGNETIC FIELDS  
 ELECTROMECHANICS  
 ELECTROPHYSICS

**ELECTROLESS DEPOSITION**  
 GS DEPOSITION  
 . **ELECTROLESS DEPOSITION**  
 RT COATINGS  
 ELECTRODEPOSITION  
 ELECTROFORMING  
 METAL COATINGS  
 PLATING  
 VACUUM DEPOSITION  
 VAPOR DEPOSITION

**ELECTROLUMINESCENCE**

UF ELECTROLUMINESCENT LAMPS  
 GS EMISSION  
 . LIGHT EMISSION  
 . . LUMINESCENCE  
 . . . **ELECTROLUMINESCENCE**  
 RT ELECTRO-OPTICS  
 LIGHT EMITTING DIODES  
 LIGHT SOURCES

**ELECTROLUMINESCENT LAMPS**

USE ELECTROLUMINESCENCE  
 LUMINAIRES

**ELECTROLYSIS**

GS ELECTROCHEMISTRY  
 . **ELECTROLYSIS**  
 . . COULOMETRY  
 RT CORROSION  
 COULOMETERS  
 CRACKING (CHEMICAL ENGINEERING)  
 CURRENT DENSITY  
 DECOMPOSITION  
 ELECTROCHEMICAL CORROSION  
 ELECTRODEPOSITION  
 ELECTRODES  
 ELECTRODISSOLUTION  
 ELECTROLYTES  
 ELECTROLYTIC CELLS  
 ELECTROPLATING  
 HYDROGEN PRODUCTION  
 IONIC MOBILITY  
 METATHESIS  
 PASSIVITY  
 PHOTOLYSIS  
 REDUCTION (CHEMISTRY)  
 TAFEL LAW

**ELECTROLYTE METABOLISM**

GS METABOLISM  
 . **ELECTROLYTE METABOLISM**  
 RT AEROSPACE MEDICINE  
 ALDOSTERONE  
 BLOOD PLASMA  
 BODY FLUIDS  
 PHYSIOLOGICAL EFFECTS  
 POTASSIUM  
 SODIUM  
 WEIGHTLESSNESS

**ELECTROLYTES**

GS CONDUCTORS  
 . **ELECTROLYTES**  
 . . ANOLYTES  
 . . CATHOLYTES  
 . . ION EXCHANGE MEMBRANE  
 . . . ELECTROLYTES  
 . . . JUMPERS  
 . . . MOLTEN SALT ELECTROLYTES  
 . . . NONAQUEOUS ELECTROLYTES  
 . . . SOLID ELECTROLYTES  
 RT CONDUCTING FLUIDS  
 DEBYE-HUCKEL THEORY  
 ELECTRIC BATTERIES  
 ELECTROCHEMISTRY  
 ELECTRODEPOSITION  
 ELECTROLYSIS  
 ELECTROLYTIC CELLS  
 ELECTROPLATING  
 ELECTROREFINING  
 ELECTROWINNING  
 FUEL CELLS  
 IONS  
 NONELECTROLYTES  
 PRIMARY BATTERIES  
 REDOX CELLS  
 STORAGE BATTERIES  
 WET CELLS

**ELECTROLYTIC CELLS**

UF GALVANIC CELLS  
 RT  $\infty$  CELLS  
 $\infty$  DIAPHRAGMS  
 DIAPHRAGMS (MECHANICS)  
 DIFFUSION ELECTRODES  
 ELECTRIC BATTERIES  
 $\infty$  ELECTRIC CELLS  
 ELECTROCHEMISTRY  
 ELECTRODEPOSITION  
 ELECTROLYSIS  
 ELECTROLYTES  
 ELECTROPLATING  
 ELECTROREFINING  
 ELECTROWINNING  
 IONIC MOBILITY

**ELECTROLYTIC CELLS-(CONT.)**

LEAD ACID BATTERIES  
 NONAQUEOUS ELECTROLYTES  
 PHOSPHORIC ACID FUEL CELLS

**ELECTROLYTIC GRINDING**

USE ELECTROCHEMICAL MACHINING

**ELECTROLYTIC POLARIZATION**

GS POLARIZATION (CHARGE SEPARATION)  
 . **ELECTROLYTIC POLARIZATION**  
 RT DEPOLARIZATION  
 MAGNESIUM CELLS

**ELECTROLYTIC POLISHING**

USE ELECTROPOLISHING

**ELECTROMAGNETIC ABSORPTION**

UF IONOSPHERIC ABSORPTION  
 LIGHT ABSORPTION  
 MAGNETIC ABSORPTION  
 OPTICAL ABSORPTION  
 GS ENERGY ABSORPTION  
 . RADIATION ABSORPTION  
 . . **ELECTROMAGNETIC ABSORPTION**  
 . . . AURORAL ABSORPTION  
 . . . GAMMA RAY ABSORPTION  
 . . . INFRARED ABSORPTION  
 . . . MULTIPHOTON ABSORPTION  
 . . . PHOTOABSORPTION  
 . . . POLAR CAP ABSORPTION  
 . . . ULTRAVIOLET ABSORPTION  
 . . . X RAY ABSORPTION  
 RT ABSORBERS (MATERIALS)  
 ABSORPTANCE  
 $\infty$  ABSORPTION  
 ABSORPTION SPECTRA  
 ABSORPTIVITY  
 ACTIVATION  
 ATMOSPHERIC ATTENUATION  
 ATTENUATION  
 BEER LAW  
 BOUGUER LAW  
 CHANDRASEKHAR EQUATION  
 ELECTROMAGNETIC PROPERTIES  
 EXCITATION  
 FADING  
 FLUORESCENCE  
 GAMMA RAY ABSORPTIOMETRY  
 IRRADIATION  
 LASER INDUCED FLUORESCENCE  
 LIGHT SCATTERING  
 MOLECULAR ABSORPTION  
 MOSSBAUER EFFECT  
 NUCLEAR PHYSICS  
 OPACITY  
 OPTICAL PROPERTIES  
 OPTICAL REFLECTION  
 PAIR PRODUCTION  
 PHOTODECOMPOSITION  
 PHOTODISSOCIATION  
 PHOTON ABSORPTIOMETRY  
 PHOTOPRODUCTION  
 RADAR ABSORBERS  
 RADAR ATTENUATION  
 RADIATION SHIELDING  
 RADIO ATTENUATION  
 REFLECTION  
 RESONANT FREQUENCIES  
 SIGNAL FADING  
 SOLAR ENERGY ABSORBERS  
 TOWNSEND AVALANCHE  
 TRANSMISSION  
 TRANSMITTANCE  
 TRANSPARENCE  
 WAVE ATTENUATION  
 WAVE PROPAGATION

**ELECTROMAGNETIC ACCELERATION**

RT  $\infty$  ACCELERATION  
 ELECTROMAGNETIC INTERACTIONS  
 MAGNETIC FIELDS  
 PARTICLE ACCELERATION  
 PLASMA ACCELERATORS

**ELECTROMAGNETIC COMPATIBILITY**

GS COMPATIBILITY  
 . **ELECTROMAGNETIC COMPATIBILITY**  
 RT ATMOSPHERICS  
 CROSSTALK  
 ELECTRONIC COUNTERMEASURES  
 ELECTRONIC WARFARE  
 $\infty$  INTERFERENCE  
 NOISE SPECTRA  
 RADIO FREQUENCY INTERFERENCE

**ELECTROMAGNETIC INTERFERENCE****ELECTROMAGNETIC CONTROL**

USE ELECTROMAGNETS  
 REMOTE CONTROL

**ELECTROMAGNETIC DEDUCTION**

USE MAGNETIC INDUCTION

**ELECTROMAGNETIC ENVIRONMENT EXPERIMENT**

GS PAYLOADS  
 . SPACE SHUTTLE PAYLOADS  
 . . **ELECTROMAGNETIC ENVIRONMENT EXPERIMENT**

**ELECTROMAGNETIC FIELDS**

GS **ELECTROMAGNETIC FIELDS**  
 . FAR FIELDS  
 . NEAR FIELDS  
 . SYSTEM GENERATED  
 . . ELECTROMAGNETIC PULSES  
 RT ABRIKOSOV THEORY  
 BIOMAGNETISM  
 BLACKOUT (PROPAGATION)  
 ELECTROKINETICS  
 ELECTROMAGNETISM  
 ELECTROMECHANICS  
 EXTERNAL SURFACE CURRENTS  
 FIELD MODE THEORY  
 FIELD STRENGTH  
 FIELD THEORY (PHYSICS)  
 GRAND UNIFIED THEORY  
 MAGNETIC FIELD CONFIGURATIONS  
 MAGNETIC FIELD INVERSIONS  
 MAGNETIC FIELDS  
 QUANTUM ELECTRODYNAMICS  
 RECIPROCITY THEOREM  
 SOLAR MAGNETIC FIELD  
 SOMMERFELD APPROXIMATION  
 SQUEEZED STATES (QUANTUM THEORY)  
 STELLAR MAGNETIC FIELDS  
 UNIFIED FIELD THEORY  
 WHISTLERS  
 YANG-MILLS FIELDS

**ELECTROMAGNETIC HAMMERS**

GS HAMMERS  
 . **ELECTROMAGNETIC HAMMERS**  
 RT FORMING TECHNIQUES  
 MAGNETIC COILS  
 MAGNETIC FORMING  
 METAL WORKING

**ELECTROMAGNETIC INTERACTIONS**

GS **ELECTROMAGNETIC INTERACTIONS**  
 . PHOTOPRODUCTION  
 . PLASMA-ELECTROMAGNETIC INTERACTION  
 . . LASER PLASMA INTERACTIONS  
 RT BIOMAGNETISM  
 ELECTRODYNAMICS  
 ELECTROMAGNETIC ACCELERATION  
 ELECTROSTATICS  
 ELEMENTARY PARTICLE INTERACTIONS  
 FEYNMAN DIAGRAMS  
 GRAND UNIFIED THEORY  
 $\infty$  INTERACTIONS  
 MESON-MESON INTERACTIONS  
 PHOTONUCLEAR REACTIONS  
 PLASMA RESONANCE  
 QUANTUM MECHANICS  
 UNIFIED FIELD THEORY  
 WAVE INTERACTION

**ELECTROMAGNETIC INTERFERENCE**

GS **ELECTROMAGNETIC INTERFERENCE**  
 . CROSSTALK  
 . . IONOSPHERIC CROSS MODULATION  
 . JAMMING  
 . RADIO FREQUENCY INTERFERENCE  
 . . BLACKOUT (PROPAGATION)  
 . . . POLAR RADIO BLACKOUT  
 . . CHIRP  
 . . . CHIRP SIGNALS  
 . . . ELECTROMAGNETIC NOISE  
 . . . . ATMOSPHERICS  
 . . . . IONOSPHERICS  
 . . . . DAWN CHORUS  
 . . . . HISS  
 . . . . SUDDEN ENHANCEMENT OF  
 . . . . . ATMOSPHERICS  
 . . . . . WHISTLERS  
 . . . . . COSMIC NOISE  
 . . . . . IONOSPHERIC NOISE  
 . . . . . WHISTLERS  
 . . . . . SHOT NOISE  
 . . . . . WHITE NOISE

## ELECTROMAGNETIC MEASUREMENT

### ELECTROMAGNETIC INTERFERENCE-(CONT.)

- ... THERMAL NOISE
- ... IONOSPHERIC CROSS MODULATION
- RT ∞ DISTURBANCES
- ELECTRONIC COUNTERMEASURES
- ELECTRONIC WARFARE
- ENVIRONMENTS
- FEEDBACK
- GROUND EFFECT (COMMUNICATIONS)
- ∞ INTERFERENCE
- INTERFERENCE IMMUNITY
- NOISE REDUCTION
- SCATHA SATELLITE
- SIGNAL TO NOISE RATIOS
- SYSTEM GENERATED
- ELECTROMAGNETIC PULSES

### ELECTROMAGNETIC MEASUREMENT

- SN (MEASUREMENT OF ELECTROMAGNETIC PROPERTIES, QUANTITIES OR CONDITIONS)
- GS **ELECTROMAGNETIC MEASUREMENT**
- ELECTROMAGNETIC NOISE
- MEASUREMENT
- RT BARKHAUSEN EFFECT
- EARTH TERMINAL MEASUREMENT SYSTEM
- ELECTRICAL MEASUREMENT
- ELECTROMAGNETISM
- INFRARED DETECTORS
- MAGNETIC MEASUREMENT
- MAGNETIC TRANSDUCERS
- ∞ MEASUREMENT
- SIGNAL MEASUREMENT

### ELECTROMAGNETIC NOISE

- UF RADIATION NOISE
- RADIO FREQUENCY NOISE
- GS ELECTROMAGNETIC INTERFERENCE
- RADIO FREQUENCY INTERFERENCE
- ELECTROMAGNETIC NOISE**
- ... ATMOSPHERICS
- ... IONOSPHERICS
- ... DAWN CHORUS
- ... HISS
- ... SUDDEN ENHANCEMENT OF ATMOSPHERICS
- ... WHISTLERS
- ... COSMIC NOISE
- ... IONOSPHERIC NOISE
- ... WHISTLERS
- ... SHOT NOISE
- ... WHITE NOISE
- ... THERMAL NOISE
- RT BACKGROUND NOISE
- BACKGROUND RADIATION
- BLACKOUT (PROPAGATION)
- CHANNEL NOISE
- CHIRP SIGNALS
- EXTRATERRESTRIAL RADIATION
- GROUND EFFECT (COMMUNICATIONS)
- MICROWAVES
- MILLIMETER WAVES
- ∞ NOISE
- NOISE GENERATORS
- NOISE INTENSITY
- NOISE REDUCTION
- NOISE SPECTRA
- NOISE STORMS
- NOISE TEMPERATURE
- RADAR RECEIVERS
- ∞ RADIATION
- RADIO RECEIVERS
- RADIO SPECTRA
- RADIO WAVES
- RANDOM NOISE
- SIGNAL TO NOISE RATIOS
- SOLAR RADIO EMISSION
- SQUELCH CIRCUITS
- SUBMILLIMETER WAVES

### ELECTROMAGNETIC NOISE MEASUREMENT

- GS ELECTROMAGNETIC MEASUREMENT
- ELECTROMAGNETIC NOISE MEASUREMENT**
- RT COSMIC NOISE
- ∞ MEASUREMENT
- THERMAL NOISE
- WHITE NOISE

### ELECTROMAGNETIC PROPAGATION

- USE ELECTROMAGNETIC WAVE TRANSMISSION

### ELECTROMAGNETIC PROPERTIES

- GS **ELECTROMAGNETIC PROPERTIES**
- FARADAY EFFECT
- INDUCTANCE
- PROXIMITY EFFECT (ELECTRICITY)
- KERR MAGNETOOPTICAL EFFECT
- MAGNETORESISTIVITY
- OPTICAL PROPERTIES
- ABSORPTANCE
- ABSORPTIVITY
- BIREFRINGENCE
- KERR ELECTROOPTICAL EFFECT
- BRIGHTNESS
- BRIGHTNESS DISTRIBUTION
- COLOR
- IRIDESCENCE
- WATER COLOR
- DICHROISM
- LUMINOSITY
- STELLAR LUMINOSITY
- OPACITY
- OPTICAL BISTABILITY
- OPTICAL REFLECTION
- PHOSPHORESCENCE
- PHOTOCONDUCTIVITY
- PHOTOVISCOELASTICITY
- RADIANCE
- REFLECTANCE
- BIDIRECTIONAL REFLECTANCE
- SPECTRAL REFLECTANCE
- REFRACTIVITY
- SKY BRIGHTNESS
- STIGMATISM
- TRANSLUCENCE
- TRANSMISSIVITY
- TRANSMITTANCE
- TRANSPARENCE
- TURBIDITY
- PHOTOELASTICITY
- PHOTOVISCOELASTICITY
- RT CARRIER MOBILITY
- CLARITY
- ELECTRICAL PROPERTIES
- ELECTROMAGNETIC ABSORPTION
- GAMMA RAY ABSORPTION
- GYROTROPISM
- MAGNETIC PROPERTIES
- ∞ PHYSICAL PROPERTIES
- POLARIZATION (WAVES)
- ∞ PROPERTIES

### ELECTROMAGNETIC PROPULSION

- GS PROPULSION
- ELECTRIC PROPULSION
- ELECTROMAGNETIC PROPULSION**
- LOW THRUST PROPULSION
- ELECTROMAGNETIC PROPULSION**
- SPACECRAFT PROPULSION
- ELECTROMAGNETIC PROPULSION**
- MASS DRIVERS (PAYLOAD DELIVERY)
- RT ELECTROSTATIC PROPULSION
- ION PROPULSION
- PHOTONIC PROPULSION
- PLASMA PROPULSION

### ELECTROMAGNETIC PULSES

- GS ELECTROMAGNETIC RADIATION
- ELECTROMAGNETIC PULSES**
- SYSTEM GENERATED
- ELECTROMAGNETIC PULSES
- PULSED RADIATION
- ELECTROMAGNETIC PULSES**
- SYSTEM GENERATED
- ELECTROMAGNETIC PULSES
- PULSES
- ELECTROMAGNETIC PULSES**
- SYSTEM GENERATED
- ELECTROMAGNETIC PULSES
- RT ELECTRIC PULSES
- EXTERNAL SURFACE CURRENTS
- PICOSECOND PULSES
- PULSE COMMUNICATION
- PULSE MODULATION
- PULSE RADAR
- RADAR TRANSMISSION

### ELECTROMAGNETIC PUMPS

- SN (ENCOMPASSES DEVICES FOR MATERIALS HANDLING ONLY--EXCLUDES OPTICAL AND PARTICLE ENERGIZING DEVICES)
- GS PUMPS
- ELECTROMAGNETIC PUMPS**
- RT FUEL PUMPS

### ELECTROMAGNETIC RADIATION

- UF ELECTROMAGNETIC WAVES
- WAVE RADIATION
- GS **ELECTROMAGNETIC RADIATION**
- BREMSSTRAHLUNG
- CERENKOV RADIATION
- COHERENT ELECTROMAGNETIC RADIATION
- COHERENT LIGHT
- DIFFRACTION RADIATION
- ELECTROMAGNETIC PULSES
- SYSTEM GENERATED
- ELECTROMAGNETIC PULSES
- ELECTROMAGNETIC SURFACE WAVES
- GAMMA RAY BEAMS
- GAMMA RAYS
- GAMMA RAY BURSTS
- H WAVES
- INFRARED RADIATION
- FAR INFRARED RADIATION
- NEAR INFRARED RADIATION
- KILOMETRIC WAVES
- LIGHT (VISIBLE RADIATION)
- COHERENT LIGHT
- GEGENSCHEIN
- LIGHT BEAMS
- POLARIZED LIGHT
- SKY RADIATION
- AIRGLOW
- GEOCORONAL EMISSIONS
- NIGHTGLOW
- TWILIGHT GLOW
- DAYGLOW
- SUNLIGHT
- ZODIACAL LIGHT
- MODULATED CONTINUOUS RADIATION
- MONOCHROMATIC RADIATION
- NONEQUILIBRIUM RADIATION
- NONTHERMAL RADIATION
- CYCLOTRON RADIATION
- ION CYCLOTRON RADIATION
- SYNCHROTRON RADIATION
- PHOTON BEAMS
- LIGHT BEAMS
- PLANETARY RADIATION
- PLASMONS
- POLARIZED ELECTROMAGNETIC RADIATION
- POLARIZED LIGHT
- SYNCHROTRON RADIATION
- RADIO WAVES
- DECAMETRIC WAVES
- EXTRATERRESTRIAL RADIO WAVES
- GALACTIC RADIO WAVES
- RADIO BURSTS
- SOLAR RADIO BURSTS
- TYPE 2 BURSTS
- TYPE 3 BURSTS
- TYPE 4 BURSTS
- TYPE 5 BURSTS
- SOLAR RADIO EMISSION
- SOLAR RADIO BURSTS
- TYPE 2 BURSTS
- TYPE 3 BURSTS
- TYPE 4 BURSTS
- TYPE 5 BURSTS
- LONG WAVE RADIATION
- RADIO EMISSION
- CN EMISSION
- HYDROXYL EMISSION
- RADIO BURSTS
- SOLAR RADIO BURSTS
- TYPE 2 BURSTS
- TYPE 3 BURSTS
- TYPE 4 BURSTS
- TYPE 5 BURSTS
- SOLAR RADIO EMISSION
- SOLAR RADIO BURSTS
- TYPE 2 BURSTS
- TYPE 3 BURSTS
- TYPE 4 BURSTS
- TYPE 5 BURSTS
- SHORT WAVE RADIATION
- MICROWAVES
- CENTIMETER WAVES
- DECIMETER WAVES
- MICROWAVE EMISSION
- MILLIMETER WAVES
- SUBMILLIMETER WAVES
- SKY WAVES
- WHISTLERS
- SOMMERFELD WAVES
- TERRESTRIAL RADIATION
- THERMAL RADIATION
- BLACK BODY RADIATION
- PHONON BEAMS

# ELECTROMAGNETS

## ELECTROMAGNETIC RADIATION-(CONT.)

. TROPOSPHERIC RADIATION  
 . ULTRAVIOLET RADIATION  
 . EXTREME ULTRAVIOLET RADIATION  
 . FAR ULTRAVIOLET RADIATION  
 . LYMAN ALPHA RADIATION  
 . LYMAN BETA RADIATION  
 . NEAR ULTRAVIOLET RADIATION  
 . X RAYS  
 . COSMIC X RAYS  
 . SOLAR X-RAYS  
 RT AEROSPACE ENVIRONMENTS  
 ANTENNAS  
 ATMOSPHERIC RADIATION  
 ATMOSPHERIC REFRACTION  
 BACKWARD WAVES  
 BEAMS (RADIATION)  
 COHERENT RADIATION  
 CONTINUOUS RADIATION  
 CORPUSCULAR RADIATION  
 COSMIC RAYS  
 CYLINDRICAL WAVES  
 DIFFRACTION  
 DOPPLER EFFECT  
 DUOCHROMATORS  
 ELECTROACOUSTIC WAVES  
 ELECTROMAGNETISM  
 EXTRATERRESTRIAL RADIATION  
 FAR FIELDS  
 FLUX (RATE)  
 FLUX DENSITY  
 GALACTIC RADIATION  
 GAMMA RAY ABSORPTION  
 GAUGE INVARIANCE  
 GLARE  
 HARMONIC RADIATION  
 INCIDENT RADIATION  
 INCOHERENT SCATTERING  
 INTERSTELLAR RADIATION  
 IONIZING RADIATION  
 KERR ELECTROOPTICAL EFFECT  
 LIGHT EMISSION  
 MAGNETO-OPTICS  
 NEAR FIELDS  
 NONLINEAR OPTICS  
 NUCLEAR RADIATION  
 PHASE VELOCITY  
 PHOTONS  
 PLANCKS CONSTANT  
 POLARIZED RADIATION  
 POYNTING THEOREM  
 ∞ PROPAGATION  
 PROPAGATION VELOCITY  
 PULSED RADIATION  
 RADAR  
 ∞ RADIATION  
 RADIATION CHEMISTRY  
 RADIATION DISTRIBUTION  
 RADIATION HAZARDS  
 RADIATION LAWS  
 RADIATION PRESSURE  
 RADIATION SOURCES  
 RADIATIVE TRANSFER  
 ∞ RAYS  
 REFLECTED WAVES  
 REFLECTION  
 REFRACTED WAVES  
 RONCHI TEST  
 SCATTERING  
 SINE WAVES  
 SOLAR RADIATION  
 SOLITARY WAVES  
 SPECTRAL EMISSION  
 SPECTRAL ENERGY DISTRIBUTION  
 SPHERICAL WAVES  
 SPONTANEOUS EMISSION  
 STEFAN-BOLTZMANN LAW  
 STELLAR RADIATION  
 STRATOSPHERE RADIATION  
 TELECOMMUNICATION  
 THOMSON SCATTERING  
 TRANSMISSION  
 TRANSVERSE WAVES  
 TRAVELING WAVES  
 ULTRAVIOLET ASTRONOMY  
 VLF EMISSION RECORDERS  
 WAVE AMPLIFICATION  
 WAVE DISPERSION  
 WAVE GENERATION  
 ∞ WAVES  
 WHITE HOLES (ASTRONOMY)

## ELECTROMAGNETIC SCATTERING

GS SCATTERING  
 . WAVE SCATTERING  
 . ELECTROMAGNETIC SCATTERING

## ELECTROMAGNETIC SCATTERING-(CONT.)

. . . IONOSPHERIC F-SCATTER  
 . . . PROPAGATION  
 . . . LIGHT SCATTERING  
 . . . HALOS  
 . . . MICROWAVE SCATTERING  
 . . . MIE SCATTERING  
 . . . RAYLEIGH SCATTERING  
 . . . RAMAN SPECTRA  
 . . . THOMSON SCATTERING  
 . . . X RAY SCATTERING  
 RT ATMOSPHERIC ATTENUATION  
 ATMOSPHERIC SCATTERING  
 MAGNETIC DISPERSION  
 RECIPROCITY THEOREM

## ELECTROMAGNETIC SHIELDING

GS SHIELDING  
 . ELECTROMAGNETIC SHIELDING  
 . RADIO FREQUENCY SHIELDING  
 RT MAGNETIC SHIELDING  
 RADIATION SHIELDING

## ELECTROMAGNETIC SPECTRA

GS SPECTRA  
 . RADIATION SPECTRA  
 . ELECTROMAGNETIC SPECTRA  
 . . . GAMMA RAY SPECTRA  
 . . . INFRARED SPECTRA  
 . . . LINE SPECTRA  
 . . . BALMER SERIES  
 . . . D LINES  
 . . . ELECTRONIC SPECTRA  
 . . . FRAUNHOFER LINES  
 . . . H LINES  
 . . . H ALPHA LINE  
 . . . H BETA LINE  
 . . . H GAMMA LINE  
 . . . K LINES  
 . . . LYMAN SPECTRA  
 . . . PASCHEN SERIES  
 . . . RYDBERG SERIES  
 . . . TELLURIC LINES  
 . . . RADIO SPECTRA  
 . . . MICROWAVE SPECTRA  
 . . . RAMAN SPECTRA  
 . . . STELLAR SPECTRA  
 . . . SOLAR SPECTRA  
 . . . UVB SPECTRA  
 . . . ULTRAVIOLET SPECTRA  
 . . . VIBRATIONAL SPECTRA  
 . . . VISIBLE SPECTRUM  
 . . . X RAY SPECTRA  
 RT ABSORPTION SPECTRA  
 ASTRONOMICAL SPECTROSCOPY  
 ELECTRONIC WARFARE  
 EMISSION SPECTRA  
 ENERGY SPECTRA  
 LIGHT (VISIBLE RADIATION)  
 MOLECULAR SPECTRA  
 NOISE SPECTRA  
 SPECTRAL CORRELATION  
 SPECTRAL RECONNAISSANCE

## ELECTROMAGNETIC SURFACE WAVES

GS ELECTROMAGNETIC RADIATION  
 . ELECTROMAGNETIC SURFACE WAVES  
 SURFACE WAVES  
 . ELECTROMAGNETIC SURFACE WAVES  
 RT DIELECTRICS  
 PROPAGATION MODES  
 RADIO WAVES  
 ∞ SURFACES  
 WAVEGUIDES  
 ∞ WAVES

## ELECTROMAGNETIC WAVE FILTERS

GS ELECTROMAGNETIC WAVE FILTERS  
 . BANDPASS FILTERS  
 . CRYSTAL FILTERS  
 . TRACKING FILTERS  
 . ELECTRIC FILTERS  
 . BANDSTOP FILTERS  
 . CRYSTAL FILTERS  
 . DIGITAL FILTERS  
 . FIR FILTERS  
 . MICROWAVE FILTERS  
 . RADAR FILTERS  
 . RADIO FILTERS  
 . TRACKING FILTERS  
 . WAVEGUIDE FILTERS  
 . MATCHED FILTERS  
 . OPTICAL FILTERS  
 . BIREFRINGENT FILTERS  
 . INFRARED FILTERS

## ELECTROMAGNETIC WAVE FILTERS-(CONT.)

. . . ULTRAVIOLET FILTERS  
 RT ABSORBERS (MATERIALS)  
 ADAPTIVE FILTERS  
 ATTENUATORS  
 CORRELATION DETECTION  
 ∞ FILTERS  
 HIGH PASS FILTERS  
 LINEAR FILTERS  
 LOW PASS FILTERS  
 NONLINEAR FILTERS  
 SCREEN EFFECT

## ELECTROMAGNETIC WAVE TRANSMISSION

UF ELECTROMAGNETIC PROPAGATION  
 GS TRANSMISSION  
 . ELECTROMAGNETIC WAVE  
 TRANSMISSION  
 . . . LIGHT TRANSMISSION  
 . . . LIGHT SCATTERING  
 . . . HALOS  
 . . . RADAR TRANSMISSION  
 . . . RADIO TRANSMISSION  
 . . . DOUBLE SIDEBAND TRANSMISSION  
 . . . IONOSPHERIC PROPAGATION  
 . . . IONOSPHERIC F-SCATTER  
 PROPAGATION  
 . . . MICROWAVE ATTENUATION  
 . . . MICROWAVE TRANSMISSION  
 . . . MULTIPATH TRANSMISSION  
 . . . SHORT WAVE RADIO  
 TRANSMISSION  
 . . . SINGLE SIDEBAND TRANSMISSION  
 . . . SPREAD SPECTRUM TRANSMISSION  
 . . . TRANSEQUATORIAL PROPAGATION  
 . . . TRANSORIZON RADIO  
 PROPAGATION  
 . . . SCATTER PROPAGATION  
 . . . IONOSPHERIC F-SCATTER  
 PROPAGATION  
 RT . TELEVISION TRANSMISSION  
 ATMOSPHERIC ATTENUATION  
 ATTENUATION  
 FERMAT PRINCIPLE  
 INCOHERENT SCATTERING  
 LOSSY MEDIA  
 MAGNETOIONICS  
 PLASMA DECAY  
 PLASMA GUIDES  
 RADAR ATTENUATION  
 RADIO ATTENUATION  
 RADOME MATERIALS  
 SCREEN EFFECT  
 TRANSMISSION EFFICIENCY  
 WAVE PROPAGATION

## ELECTROMAGNETIC WAVES

USE ELECTROMAGNETIC RADIATION

## ELECTROMAGNETICS

USE ELECTROMAGNETISM

## ELECTROMAGNETISM

UF ELECTROMAGNETICS  
 GS ELECTROMAGNETISM  
 . MAGNETOSTATICS  
 RT BARKHAUSEN EFFECT  
 ELECTRIC FIELDS  
 ELECTRICITY  
 ELECTROMAGNETIC FIELDS  
 ELECTROMAGNETIC MEASUREMENT  
 ELECTROMAGNETIC RADIATION  
 ELECTROMAGNETS  
 ELECTROPHYSICS  
 GRAND UNIFIED THEORY  
 MAGNET COILS  
 MAGNETIC COILS  
 MAGNETIC FIELD INVERSIONS  
 MAGNETIC FIELDS  
 MAGNETIC PROPERTIES  
 MAGNETORESISTIVITY  
 UNIFIED FIELD THEORY

## ELECTROMAGNETS

UF ELECTROMAGNETIC CONTROL  
 GS MAGNETS  
 . ELECTROMAGNETS  
 . . . HIGH FIELD MAGNETS  
 . . . SUPERCONDUCTING MAGNETS  
 RT ELECTROMAGNETISM  
 FIELD COILS  
 MAGNET COILS  
 RACETRACKS (PARTICLE  
 ACCELERATORS)  
 SOLENOIDS

## ELECTROMECHANICAL DEVICES

### ELECTROMECHANICAL DEVICES

RT ∞ ELECTRIC EQUIPMENT  
 . ELECTRODYNAMICS  
 . ELECTROMECHANICS  
 ∞ EQUIPMENT  
 HOMOPOLAR GENERATORS

### ELECTROMECHANICS

GS ELECTRODYNAMICS  
 . ELECTROMECHANICS  
 RT CIRCUITS  
 ELECTRIC FIELDS  
 ELECTROKINETICS  
 ELECTROMAGNETIC FIELDS  
 ELECTROMECHANICAL DEVICES  
 ELECTROSTATICS  
 MAGNETIC FIELD INVERSIONS  
 MAGNETIC FIELDS  
 MAXWELL EQUATION  
 ∞ MECHANICS (PHYSICS)

### ELECTROMETERS

GS MEASURING INSTRUMENTS  
 . ELECTROMETERS  
 RT ELECTRIC CHARGE  
 ELECTRICAL MEASUREMENT  
 ELECTRON COUNTERS  
 GALVANOMETERS  
 POTENTIOMETERS (INSTRUMENTS)  
 VOLTMETERS  
 WATTMETERS

### ELECTROMIGRATION

RT ELECTRICAL RESISTIVITY  
 ELECTRON MOBILITY  
 HOLE MOBILITY  
 IONIC MOBILITY  
 POLARIZATION (CHARGE SEPARATION)  
 THERMOMIGRATION

### ELECTROMOTIVE FORCES

GS ELECTROMOTIVE FORCES  
 . PONDEROMOTIVE FORCES  
 RT ELECTRIC BATTERIES  
 ELECTRIC GENERATORS  
 ELECTRIC POTENTIAL  
 OHMS LAW  
 OPEN CIRCUIT VOLTAGE

### ELECTROMYOGRAMS

USE ELECTROMYOGRAPHY

### ELECTROMYOGRAPHS

USE ELECTROMYOGRAPHY

### ELECTROMYOGRAPHY

UF ELECTROMYOGRAMS  
 ELECTROMYOGRAPHS  
 GS BIOENGINEERING  
 . BIOMETRICS  
 . ELECTROMYOGRAPHY  
 RT ELECTROPHYSIOLOGY  
 MEDICAL ELECTRONICS  
 MYOELECTRICITY

### ELECTRON ACCELERATION

GS RATES (PER TIME)  
 . ACCELERATION (PHYSICS)  
 . ELECTRON ACCELERATION  
 RT ∞ ACCELERATION  
 COSMIC RAYS  
 ELECTRONS  
 EXTRATERRESTRIAL RADIATION  
 PARTICLE BEAMS  
 SOLAR COSMIC RAYS

### ELECTRON ACCELERATORS

GS PARTICLE ACCELERATORS  
 . ELECTRON ACCELERATORS  
 . BETATRONS  
 RT ∞ ACCELERATORS  
 LINEAR ACCELERATORS  
 SYNCHROTRONS  
 VAN DE GRAAFF ACCELERATORS

### ELECTRON AFFINITY

GS AFFINITY  
 . ELECTRON AFFINITY  
 RT ANIONS  
 MOLECULAR IONS  
 NEGATIVE ELECTRON AFFINITY  
 SEMICONDUCTORS (MATERIALS)

### ELECTRON ATTACHMENT

GS ELECTRON ATTACHMENT  
 . NUCLEOPHILES  
 RT ∞ ATTACHMENT  
 GAS IONIZATION  
 IONIZATION

### ELECTRON AVALANCHE

GS AVALANCHES  
 . ELECTRON AVALANCHE  
 RT CATT DEVICES  
 CHANNEL MULTIPLIERS  
 FREE ELECTRONS  
 GAS DISCHARGES  
 TOWNSEND AVALANCHE

### ELECTRON BEAM WELDING

GS WELDING  
 . ELECTRIC WELDING  
 . ELECTRON BEAM WELDING  
 RT ARC WELDING  
 SPIKING

### ELECTRON BEAMS

GS BEAMS (RADIATION)  
 . PARTICLE BEAMS  
 . ELECTRON BEAMS  
 . . . RELATIVISTIC ELECTRON BEAMS  
 PARTICLES  
 . CORPUSCULAR RADIATION  
 . ELECTRON RADIATION  
 . . . ELECTRON BEAMS  
 . . . . RELATIVISTIC ELECTRON BEAMS  
 RT BEAM INJECTION  
 BEAM NEUTRALIZATION  
 BEAM PLASMA AMPLIFIERS  
 BETA PARTICLES  
 BRILLOUIN FLOW  
 DIFFRACTION RADIATION  
 ELECTRON CYCLOTRON HEATING  
 IONIZING RADIATION  
 MAGNETIC LENSES  
 MONOSCOPES  
 PLASMA JETS  
 SCALLOPING

### ELECTRON BOMBARDMENT

RT DEPOSITION  
 PARTICLE BEAMS  
 PLASMA JETS  
 RELATIVISTIC ELECTRON BEAMS  
 SPUTTERING

### ELECTRON BUNCHING

GS BUNCHING  
 . ELECTRON BUNCHING  
 RT CATCHERS  
 CONVECTION CURRENTS  
 KLYSTRONS  
 TRAVELING WAVE TUBES  
 VELOCITY MODULATION

### ELECTRON CAPTURE

GS NUCLEAR REACTIONS  
 . NUCLEAR INTERACTIONS  
 . . . NUCLEAR CAPTURE  
 . . . ELECTRON CAPTURE  
 . . . SPIN-ORBIT INTERACTIONS  
 . . . ELECTRON CAPTURE  
 PARTICLE INTERACTIONS  
 . ELEMENTARY PARTICLE  
 INTERACTIONS  
 . . . NUCLEAR CAPTURE  
 . . . ELECTRON CAPTURE  
 . . . NUCLEAR INTERACTIONS  
 . . . NUCLEAR CAPTURE  
 . . . ELECTRON CAPTURE  
 . . . SPIN-ORBIT INTERACTIONS  
 . . . ELECTRON CAPTURE  
 SPIN  
 . SPIN-ORBIT INTERACTIONS  
 . . . ELECTRON CAPTURE  
 RT CAPTURE EFFECT  
 MANY ELECTRON EFFECTS

### ELECTRON CLOUDS

RT ∞ CLOUDS  
 ORBITRONS  
 SPACE CHARGE

### ELECTRON COLLISIONS

USE ELECTRON SCATTERING

### ELECTRON COMPOUNDS

USE INTERMETALLICS

### ELECTRON COUNTERS

UF ELECTRON DETECTORS  
 GS MEASURING INSTRUMENTS  
 . COUNTERS  
 . . RADIATION COUNTERS  
 . . . ELECTRON COUNTERS  
 . . . RADIATION MEASURING INSTRUMENTS  
 . . . RADIATION COUNTERS  
 . . . ELECTRON COUNTERS  
 RT ELECTROMETERS  
 IONIZATION CHAMBERS

### ELECTRON CYCLOTRON HEATING

GS HEATING  
 . PLASMA HEATING  
 . . ELECTRON CYCLOTRON HEATING  
 RT ELECTRON BEAMS  
 ELECTRON GUNS  
 KLYSTRONS  
 MAGNETIC PUMPING

### ELECTRON DECAY RATE

GS RATES (PER TIME)  
 . DECAY RATES  
 . . ELECTRON DECAY RATE  
 RT MUONS  
 SECONDARY COSMIC RAYS

### ELECTRON DENSITY (CONCENTRATION)

GS DENSITY (NUMBER/VOLUME)  
 . PARTICLE DENSITY (CONCENTRATION)  
 . . ELECTRON DENSITY  
 (CONCENTRATION)  
 . . . CARRIER DENSITY (SOLID STATE)  
 . . . ELECTRON DENSITY PROFILES  
 . . . IONOSPHERIC ELECTRON DENSITY  
 . . . MAGNETOSPHERIC ELECTRON  
 DENSITY  
 RT ATMOSPHERIC COMPOSITION  
 ATMOSPHERIC DENSITY  
 ATOM CONCENTRATION  
 FREE ELECTRONS  
 ION DENSITY (CONCENTRATION)  
 PLASMA DENSITY  
 PLASMA FREQUENCIES  
 RADIATION BELTS  
 SEMICONDUCTORS (MATERIALS)  
 SPACE DENSITY

### ELECTRON DENSITY PROFILES

GS DENSITY (NUMBER/VOLUME)  
 . PARTICLE DENSITY (CONCENTRATION)  
 . . ELECTRON DENSITY  
 (CONCENTRATION)  
 . . . ELECTRON DENSITY PROFILES  
 . . . ELECTRON DISTRIBUTION  
 . . . ELECTRON DENSITY PROFILES  
 DISTRIBUTION (PROPERTY)  
 . ELECTRON DISTRIBUTION  
 . . ELECTRON DENSITY PROFILES  
 GRADIENTS  
 . . ELECTRON DENSITY PROFILES  
 RT ANGULAR DISTRIBUTION  
 ATMOSPHERIC ELECTRICITY  
 ATMOSPHERIC IONIZATION

### ELECTRON DETECTORS

USE ELECTRON COUNTERS

### ELECTRON DIFFRACTION

GS DIFFRACTION  
 . ELECTRON DIFFRACTION  
 RT BRAGG ANGLE  
 DIFFRACTION RADIATION  
 X RAY DIFFRACTION

### ELECTRON DIFFUSION

GS DIFFUSION  
 . PARTICLE DIFFUSION  
 . . ELECTRON DIFFUSION  
 RT AMBIPOLAR DIFFUSION  
 DIFFUSION LENGTH  
 DIFFUSION WAVES  
 GASEOUS SELF-DIFFUSION  
 IONIC DIFFUSION  
 PLASMA DIFFUSION  
 THERMAL DIFFUSION

### ELECTRON DISTRIBUTION

GS DENSITY (NUMBER/VOLUME)  
 . PARTICLE DENSITY (CONCENTRATION)

## ELECTRON PUMPING

### ELECTRON DISTRIBUTION-(CONT.)

... **ELECTRON DISTRIBUTION**  
 ... ELECTRON DENSITY PROFILES  
 DISTRIBUTION (PROPERTY)  
 ... **ELECTRON DISTRIBUTION**  
 ... ELECTRON DENSITY PROFILES  
 RT CHARGE DISTRIBUTION  
 CURRENT DISTRIBUTION  
 THOMAS-FERMI MODEL  
 VERTICAL DISTRIBUTION

### ELECTRON EMISSION

GS EMISSION  
 ... PARTICLE EMISSION  
 ... **ELECTRON EMISSION**  
 ... FIELD EMISSION  
 ... PHOTOELECTRIC EMISSION  
 ... SECONDARY EMISSION  
 RT CATHODES  
 ELECTRIC DISCHARGES  
 EMITTERS  
 NEGATIVE ELECTRON AFFINITY  
 PAIR PRODUCTION  
 PHOTOELECTRIC MATERIALS  
 PHOTOELECTRON SPECTROSCOPY  
 PHOTOELECTRONS  
 PHOTOIONIZATION  
 RADIO FREQUENCY DISCHARGE  
 SELF SUSTAINED EMISSION  
 STIMULATED EMISSION  
 THERMAL EMISSION  
 THERMIONIC EMISSION  
 THERMIONICS  
 WORK FUNCTIONS

### ELECTRON ENERGY

UF ELECTRON TEMPERATURE  
 ELECTRONIC LEVELS  
 GS PARTICLE ENERGY  
 ... **ELECTRON ENERGY**  
 ... ELECTRON STATES  
 RT ACTIVATION ENERGY  
 ELECTROSTATIC PROBES  
 ∞ ENERGY  
 FORBIDDEN BANDS  
 HARTREE-FOCK-SLATER METHOD  
 INTERFACIAL ENERGY  
 IONOSPHERIC TEMPERATURE  
 KINETIC ENERGY  
 NOISE TEMPERATURE  
 PLASMAS (PHYSICS)  
 PROTON ENERGY  
 SPACE TEMPERATURE  
 SURFACE ENERGY  
 TEMPERATURE

### ELECTRON FLUX

USE ELECTRONS  
 FLUX (RATE)

### ELECTRON FLUX DENSITY

SN (LIMITED TO ELECTRON EMISSION OR  
 DETECTION RATE PER UNIT AREA)  
 UF ELECTRON INTENSITY  
 GS RATES (PER TIME)  
 ... FLUX DENSITY  
 ... RADIANT FLUX DENSITY  
 ... PARTICLE FLUX DENSITY  
 ... **ELECTRON FLUX DENSITY**  
 RT IRRADIANCE  
 RADIANCY  
 SOLAR FLUX DENSITY

### ELECTRON GAS

RT COSMIC GASES  
 ELECTROHYDRODYNAMICS  
 FREE ELECTRONS  
 IONIZED GASES  
 PLASMONS  
 RAREFIED GASES  
 SCREEN EFFECT  
 SUPERCONDUCTORS

### ELECTRON GUNS

RT CATHODE RAY TUBES  
 CROSSED FIELD GUNS  
 ELECTRON CYCLOTRON HEATING  
 FLYING SPOT SCANNERS  
 ∞ GUNS  
 MAGNETIC LENSES  
 PARTICLE ACCELERATORS  
 PLASMA GUNS  
 TUBE ANODES  
 TUBE CATHODES  
 TUBE GRIDS

### ELECTRON IMPACT

GS IMPACT  
 ... **ELECTRON IMPACT**  
 RT ION IMPACT  
 POINT IMPACT  
 PROTON IMPACT

### ELECTRON INTENSITY

USE ELECTRON FLUX DENSITY

### ELECTRON INTERACTIONS

USE ELECTRON SCATTERING

### ELECTRON IONIZATION

USE IONIZATION

### ELECTRON IRRADIATION

GS IRRADIATION  
 ... **ELECTRON IRRADIATION**  
 RT AURORAL IRRADIATION  
 ION IRRADIATION  
 SECONDARY EMISSION

### ELECTRON MASS

GS MASS  
 ... PARTICLE MASS  
 ... **ELECTRON MASS**  
 RT ELECTRONS

### ELECTRON MICROSCOPES

GS MICROSCOPES  
 ... **ELECTRON MICROSCOPES**  
 RT FIELD EMISSION  
 ION MICROSCOPES  
 MAGNETIC LENSES  
 MICROANALYSIS  
 OPTICAL MICROSCOPES  
 PHOTOMICROGRAPHY  
 REPLICAS

### ELECTRON MICROSCOPY

GS MICROSCOPY  
 ... **ELECTRON MICROSCOPY**  
 RT FIELD EMISSION  
 ION MICROSCOPES  
 MAGNETIC LENSES  
 MICROANALYSIS  
 PHASE CONTRAST

### ELECTRON MOBILITY

GS ELECTRICAL PROPERTIES  
 ... CARRIER MOBILITY  
 ... **ELECTRON MOBILITY**  
 MOBILITY  
 ... CARRIER MOBILITY  
 ... **ELECTRON MOBILITY**  
 TRANSPORT PROPERTIES  
 ... CARRIER MOBILITY  
 ... **ELECTRON MOBILITY**  
 RT AMBIPOLAR DIFFUSION  
 ATOMIC MOBILITIES  
 CHARGE CARRIERS  
 ELECTROHYDRODYNAMICS  
 ELECTROMIGRATION  
 HIGH ELECTRON MOBILITY  
 TRANSISTORS  
 HOLE MOBILITY  
 MAJORITY CARRIERS  
 MINORITY CARRIERS  
 MODULATION DOPING  
 NDM SEMICONDUCTOR DEVICES  
 SEMICONDUCTOR PLASMAS  
 ∞ SOLID STATE PHYSICS  
 SQUARE WELLS

### ELECTRON MULTIPLIERS

USE PHOTOMULTIPLIER TUBES

### ELECTRON OPTICS

RT BEAM SWITCHING  
 BRILLOUIN FLOW  
 CATHODE RAY TUBES  
 ELECTRO-OPTICS  
 FLYING SPOT SCANNERS  
 ∞ OPTICS  
 PARTICLE TRAJECTORIES  
 STEERING

### ELECTRON ORBITALS

GS ORBITALS  
 ... **ELECTRON ORBITALS**  
 RT CONFIGURATION INTERACTION  
 EXCIMERS

### ELECTRON OSCILLATIONS

GS OSCILLATIONS  
 ... **ELECTRON OSCILLATIONS**  
 RT OSCILLATOR STRENGTHS  
 PLASMA OSCILLATIONS  
 TRANSIENT OSCILLATIONS

### ELECTRON PARAMAGNETIC RESONANCE

UF ELECTRON SPIN RESONANCE  
 GS RESONANCE  
 ... MAGNETIC RESONANCE  
 ... PARAMAGNETIC RESONANCE  
 ... **ELECTRON PARAMAGNETIC**  
**RESONANCE**  
 RT JAHN-TELLER EFFECT

### ELECTRON PATHS

USE ELECTRON TRAJECTORIES

### ELECTRON PHONON INTERACTIONS

RT ∞ INTERACTIONS  
 PARTICLE INTERACTIONS  
 PLASMA-PARTICLE INTERACTIONS  
 POLARONS  
 SUPERCONDUCTIVITY  
 THERMODYNAMIC COUPLING

### ELECTRON PHOTOGRAPHY

GS IMAGERY  
 ... **ELECTRON PHOTOGRAPHY**  
 PHOTOGRAPHY  
 ... **ELECTRON PHOTOGRAPHY**  
 RT BLACK AND WHITE PHOTOGRAPHY

### ELECTRON PHOTON CASCADES

RT BREMSSTRAHLUNG  
 ∞ CASCADES  
 COSMIC RAY SHOWERS  
 PAIR PRODUCTION  
 SECONDARY COSMIC RAYS

### ELECTRON PLASMA

GS PARTICLES  
 ... CHARGED PARTICLES  
 ... ENERGETIC PARTICLES  
 ... PLASMAS (PHYSICS)  
 ... **ELECTRON PLASMA**  
 RT HELIUM PLASMA  
 HIGH TEMPERATURE PLASMAS  
 LANDAU DAMPING  
 METALLIC PLASMAS  
 PLASMA WAVES  
 PLASMA-PARTICLE INTERACTIONS  
 RAREFIED PLASMAS  
 RELATIVISTIC PLASMAS  
 THERMAL PLASMAS

### ELECTRON PRECIPITATION

GS PARTICLE PRECIPITATION  
 ... **ELECTRON PRECIPITATION**  
 PARTICLES  
 ... CORPUSCULAR RADIATION  
 ... **ELECTRON PRECIPITATION**  
 RT AURORAS  
 ∞ PRECIPITATION  
 PROTON PRECIPITATION  
 RADIATION BELTS  
 SECONDARY COSMIC RAYS  
 TRAPPED PARTICLES

### ELECTRON PRESSURE

GS PRESSURE  
 ... RADIATION PRESSURE  
 ... **ELECTRON PRESSURE**

### ELECTRON PROBES

GS MEASURING INSTRUMENTS  
 ... **ELECTRON PROBES**  
 RT CHEMICAL ANALYSIS  
 IRRADIATION  
 MICROWAVE PLASMA PROBES  
 SPECTROMETERS

### ELECTRON PUMPING

RT ENERGY TRANSFER  
 EXCIMER LASERS  
 GAS LASERS  
 LASERS  
 NUCLEAR PUMPING  
 NUCLEAR RADIATION  
 OPTICAL PUMPING  
 POPULATION INVERSION  
 ∞ PUMPING  
 STIMULATED EMISSION

## ELECTRON RADIATION

### ELECTRON PUMPING-(CONT.)

STIMULATED EMISSION DEVICES

### ELECTRON RADIATION

- SN (LIMITED TO RADIATION CONSISTING OF ELECTRONS--EXCLUDES ELECTROMAGNETIC RADIATION)
- GS PARTICLES
  - . CORPUSCULAR RADIATION
  - . . . . . **ELECTRON RADIATION**
  - . . . . . BETA PARTICLES
  - . . . . . ELECTRON BEAMS
  - . . . . . RELATIVISTIC ELECTRON BEAMS
- RT BREMSSTRAHLUNG  
NUCLEAR RADIATION  
PLASMA RADIATION  
PROTON IRRADIATION
- ∞ RADIATION  
RADIATION EFFECTS

### ELECTRON RECOMBINATION

- GS RECOMBINATION REACTIONS
  - . . . . . **ELECTRON RECOMBINATION**
  - . . . . . RADIATIVE RECOMBINATION
- RT ION RECOMBINATION  
NEUTRAL PARTICLES

### ELECTRON RING ACCELERATORS

- USE STORAGE RINGS (PARTICLE ACCELERATORS)

### ELECTRON RUNAWAY (PLASMA PHYSICS)

- GS SCATTERING
  - . ELECTRON SCATTERING
  - . . . . . **ELECTRON RUNAWAY (PLASMA PHYSICS)**
- RT COLLISIONAL PLASMAS  
HIGH ACCELERATION  
PLASMA PHYSICS  
SCATTERING CROSS SECTIONS

### ELECTRON SCATTERING

- UF ELECTRON COLLISIONS  
ELECTRON INTERACTIONS
- GS SCATTERING
  - . . . . . **ELECTRON SCATTERING**
  - . . . . . ELECTRON RUNAWAY (PLASMA PHYSICS)
- RT ATOMIC COLLISIONS  
DENSE PLASMAS  
ELASTIC SCATTERING  
INELASTIC SCATTERING  
ION SCATTERING  
MANY ELECTRON EFFECTS  
NUCLEAR REACTIONS  
NUCLEAR SCATTERING  
PARTICLE INTERACTIONS  
PHOTON-ELECTRON INTERACTION  
RAMSAUER EFFECT  
RECOIL IONS  
RELATIVISTIC ELECTRON BEAMS  
UMKLAPP PROCESS

### ELECTRON SOURCES

- RT ∞ ENERGY SOURCES  
ION SOURCES  
∞ POWER SUPPLIES  
RADIATION SOURCES  
∞ SOURCES

### ELECTRON SPECTROSCOPY

- GS SPECTROSCOPY
  - . . . . . **ELECTRON SPECTROSCOPY**
- RT ABSORPTION SPECTRA  
EMISSION SPECTRA  
INFRARED SPECTROSCOPY  
MOLECULAR SPECTROSCOPY  
OPTICAL EMISSION SPECTROSCOPY  
X RAY ABSORPTION

### ELECTRON SPIN

- GS SPIN
  - . . . . . PARTICLE SPIN
  - . . . . . **ELECTRON SPIN**
- RT ANGULAR MOMENTUM  
NUCLEAR SPIN  
SPIN DYNAMICS

### ELECTRON SPIN RESONANCE

- USE ELECTRON PARAMAGNETIC RESONANCE

### ELECTRON STATES

- GS LEVEL (QUANTITY)
  - . . . . . ENERGY LEVELS

### ELECTRON STATES-(CONT.)

- . . . . . **ELECTRON STATES**
- PARTICLE ENERGY
- . . . . . ELECTRON ENERGY
- . . . . . **ELECTRON STATES**
- RT EXCIMERS  
EXCITATION  
GROUND STATE  
MANY ELECTRON EFFECTS  
NOISE TEMPERATURE

### ELECTRON SWEEPING

- USE SWEEP FREQUENCY

### ELECTRON TELESCOPES

- USE PARTICLE TELESCOPES

### ELECTRON TEMPERATURE

- USE ELECTRON ENERGY

### ELECTRON TRAJECTORIES

- UF ELECTRON PATHS
- GS TRAJECTORIES
  - . . . . . PARTICLE TRAJECTORIES
  - . . . . . **ELECTRON TRAJECTORIES**
- RT DIFFRACTION PATHS  
MAGNETIC RIGIDITY  
RADIATION BELTS

### ELECTRON TRANSFER

- RT BACKWARD WAVE TUBES  
CHARGE EXCHANGE  
CHARGE TRANSFER  
OXIDATION  
TRANSFERRED ELECTRON DEVICES  
TRANSFERRING

### ELECTRON TRANSITIONS

- RT ATOMIC THEORY  
AUGER EFFECT  
AUGER SPECTROSCOPY  
BALMER SERIES  
BAND STRUCTURE OF SOLIDS  
BOHR THEORY  
CONDUCTION BANDS  
EXCIMERS  
EXCITATION  
FORBIDDEN TRANSITIONS  
FRANCK-CONDON PRINCIPLE  
JAHN-TELLER EFFECT  
LASING  
MANY ELECTRON EFFECTS  
NUCLEAR CAPTURE  
OPTICAL TRANSITION  
OSCILLATOR STRENGTHS  
PASCHEN SERIES  
RYDBERG SERIES
- ∞ TRANSITION  
TRANSITION PROBABILITIES  
X RAY LASERS  
XENON CHLORIDE LASERS  
XENON FLUORIDE LASERS

### ELECTRON TUBES

- GS **ELECTRON TUBES**
  - . . . . . CAMERA TUBES
  - . . . . . IMAGE DISSECTOR TUBES
  - . . . . . ORTHICONS
  - . . . . . IMAGE ORTHICONS
  - . . . . . VIDICONS
  - . . . . . RETURN BEAM VIDICONS
  - . . . . . THERMIONS
  - . . . . . COLD CATHODE TUBES
  - . . . . . PHOTOTUBES
  - . . . . . PHOTOMULTIPLIER TUBES
  - . . . . . FREQUENCY MODULATION PHOTOMULTIPLIERS
  - . . . . . GAS DISCHARGE TUBES
  - . . . . . IGNITRONS
  - . . . . . THYRATRONS
  - . . . . . IMAGE TUBES
  - . . . . . THERMIONS
  - . . . . . THERMIONIC DIODES
  - . . . . . CESIUM DIODES
  - . . . . . VACUUM TUBES
  - . . . . . CATHODE RAY TUBES
  - . . . . . PICTURE TUBES
  - . . . . . CESIUM DIODES
  - . . . . . MICROWAVE TUBES
  - . . . . . CELESCOPES
  - . . . . . CYCLOTRON RESONANCE DEVICES
  - . . . . . KLYSTRONS
  - . . . . . MAGNETRONS
  - . . . . . NIGOTRONS
  - . . . . . PLANOTRONS

### ELECTRON TUBES-(CONT.)

- . . . . . TRAVELING WAVE TUBES
- . . . . . BACKWARD WAVE TUBES
- . . . . . HELITRONS
- . . . . . CARCINOTRONS
- . . . . . VACUUM TUBE OSCILLATORS
- RT CAVITY RESONATORS  
CIRCUITS  
CROSSED FIELD AMPLIFIERS  
DIODES  
FIBER OPTICS
- ∞ HEATERS  
MODULATORS  
ORBITRONS  
OSCILLATORS  
PENTODES  
RECTIFIERS  
RESONATORS  
TETRODES  
TRANSCONDUCTANCE  
TRIODES  
TUBE GRIDS
- ∞ TUBES  
TUNNEL CATHODES  
VELOCITY MODULATION  
X RAY TUBES

### ELECTRON TUNNELING

- UF TUNNEL RESISTORS
- RT ENERGY LEVELS  
MIM DIODES  
SEMICONDUCTORS (MATERIALS)  
SUPERCONDUCTIVITY  
TUNNEL DIODES
- ∞ TUNNELING

### ELECTRON-HOLE DROPS

- RT CARRIER DENSITY (SOLID STATE)  
LUMINESCENCE  
MAGNETIC FIELDS  
OPTICAL PUMPING  
PHASE TRANSFORMATIONS  
PLASMA DENSITY  
PLASMA EQUILIBRIUM  
SEMICONDUCTOR PLASMAS  
SINGLE EVENT UPSETS

### ELECTRON-ION RECOMBINATION

- GS RECOMBINATION REACTIONS
  - . . . . . **ELECTRON-ION RECOMBINATION**
  - . . . . . RADIATIVE RECOMBINATION
- RT ION RECOMBINATION  
PLASMA CONTROL

### ELECTRONARCOSIS

- RT ELECTROANESTHESIA  
ELECTROPHYSIOLOGY

### ELECTRONIC AIRCRAFT

- RT ∞ AIRCRAFT  
AUTOMATIC CONTROL  
ELECTRONIC COUNTERMEASURES

### ELECTRONIC AMPLIFIERS

- USE AMPLIFIERS

### ELECTRONIC CONTROL

- RT AUTOMATIC CONTROL  
CASCADE CONTROL
- ∞ CONTROL  
CONTROL EQUIPMENT  
CONTROL SYSTEMS DESIGN  
CONTROLLERS  
CURRENT REGULATORS  
ELECTRIC CONTROL  
ELECTRIC SWITCHES  
FEEDBACK CONTROL  
HYDRAULIC CONTROL  
PNEUMATIC CONTROL  
REMOTE CONTROL  
TERMINAL CONFIGURED VEHICLE PROGRAM  
VOLTAGE REGULATORS

### ELECTRONIC COUNTERMEASURES

- GS COUNTERMEASURES
  - . . . . . **ELECTRONIC COUNTERMEASURES**
  - . . . . . ANTIRADAR COATINGS
  - . . . . . CHAFF
- RT DECEPTION  
ELECTROMAGNETIC COMPATIBILITY  
ELECTROMAGNETIC INTERFERENCE  
ELECTRONIC AIRCRAFT  
ELECTRONIC WARFARE  
JAMMING

**ELECTRONIC COUNTERMEASURES-(CONT.)**

OPTICAL COUNTERMEASURES  
RADAR DETECTION  
RADIO FREQUENCY INTERFERENCE

**ELECTRONIC EQUIPMENT**

GS **ELECTRONIC EQUIPMENT**  
DIODES  
CRYSTAL RECTIFIERS  
PLASMA DIODES  
SEMICONDUCTOR DIODES  
AVALANCHE DIODES  
BARRITT DIODES  
GERMANIUM DIODES  
GUNN DIODES  
JUNCTION DIODES  
LIGHT EMITTING DIODES  
PARAMETRIC DIODES  
PHOTODIODES  
SCHOTTKY DIODES  
TUNNEL DIODES  
VARACTOR DIODES  
THERMIONIC DIODES  
CESIUM DIODES  
ELECTRONIC FILTERS  
ELECTRONIC MODULES  
MICROMODULES  
ELECTRONIC PACKAGING  
ELECTRONIC RECORDING SYSTEMS  
ELECTRONIC TRANSDUCERS  
MINIATURE ELECTRONIC EQUIPMENT  
SOLID STATE DEVICES  
CRYOTRONS  
CRYSTAL RECTIFIERS  
METAL-NITRIDE-OXIDE-SEMICONDUCTORS  
MULTISPECTRAL LINEAR ARRAYS  
SEMICONDUCTOR DEVICES  
AVALANCHE DIODES  
CRYOSAR  
BARRITT DIODES  
CHARGE TRANSFER DEVICES  
BUCKET BRIGADE DEVICES  
CHARGE COUPLED DEVICES  
CHARGE INJECTION DEVICES  
GERMANIUM DIODES  
HETEROJUNCTION DEVICES  
HIGH ELECTRON MOBILITY TRANSISTORS  
MODFETS  
JUNCTION DIODES  
MIM DIODES  
STEP RECOVERY DIODES  
LIGHT EMITTING DIODES  
METAL OXIDE SEMICONDUCTORS  
CMOS  
ITO (SEMICONDUCTORS)  
SOS (SEMICONDUCTORS)  
MIM (SEMICONDUCTORS)  
MIS (SEMICONDUCTORS)  
MSM (SEMICONDUCTORS)  
NDM SEMICONDUCTOR DEVICES  
NEURISTORS  
PARAMETRIC DIODES  
PHOTODIODES  
PHOTOVOLTAIC CELLS  
SOLAR CELLS  
VERTICAL JUNCTION SOLAR CELLS  
SCHOTTKY DIODES  
SEMICONDUCTOR LASERS  
GALLIUM ARSENIDE LASERS  
SOI (SEMICONDUCTORS)  
THERMISTORS  
THYRISTORS  
SILICON CONTROLLED RECTIFIERS  
TRANSFERRED ELECTRON DEVICES  
TRANSISTOR AMPLIFIERS  
TRANSISTORS  
BIPOLAR TRANSISTORS  
FIELD EFFECT TRANSISTORS  
CHARGE FLOW DEVICES  
JFET  
MODFETS  
HIGH ELECTRON MOBILITY TRANSISTORS  
MODFETS  
JUNCTION TRANSISTORS  
JFET  
PHOTOTRANSISTORS  
SILICON TRANSISTORS  
SOS (SEMICONDUCTORS)  
TRAPATT DEVICES  
VARACTOR DIODES  
VARISTORS

**ELECTRONIC EQUIPMENT-(CONT.)**

SIS (SEMICONDUCTORS)  
SOLID STATE LASERS  
GALLIUM ARSENIDE LASERS  
RUBY LASERS  
YAG LASERS  
SPACECRAFT ELECTRONIC EQUIPMENT  
RT ANTENNA COMPONENTS  
BUBBLE TECHNIQUE  
ELECTRIC EQUIPMENT  
ELECTRONICS  
EQUIPMENT  
RADIATION HARDENING  
SPHERICAL ANTENNAS  
SYSTEM GENERATED  
ELECTROMAGNETIC PULSES

**ELECTRONIC EQUIPMENT TESTS**

SN (CHECKOUT OF ELECTRONIC EQUIPMENT)  
RT EARTH TERMINAL MEASUREMENT SYSTEM  
ELECTRIC EQUIPMENT TESTS  
ELECTRICAL MEASUREMENT  
ENVIRONMENTAL TESTS  
NONDESTRUCTIVE TESTS  
OSCILLOSCOPES  
QUALITY CONTROL  
RESONANCE TESTING  
SELF TESTS  
STABILITY TESTS  
TEST EQUIPMENT  
TESTS  
VIBRATION TESTS

**ELECTRONIC FILTERS**

GS ELECTRONIC EQUIPMENT  
ELECTRONIC FILTERS  
RT ELECTRIC FILTERS  
FILTERS  
FIR FILTERS

**ELECTRONIC LEVELS**

USE ELECTRON ENERGY  
ENERGY LEVELS

**ELECTRONIC MAIL**

GS TELECOMMUNICATION  
ELECTRONIC MAIL  
RT COMMUNICATION NETWORKS  
COMMUNICATION SATELLITES  
COMPUTER NETWORKS  
DATA TRANSMISSION

**ELECTRONIC MODULES**

GS ELECTRONIC EQUIPMENT  
ELECTRONIC MODULES  
MICROMODULES  
MODULES  
ELECTRONIC MODULES  
MICROMODULES  
RT HARDWARE  
MINIATURE ELECTRONIC EQUIPMENT  
MODULARITY  
SUBMINIATURIZATION

**ELECTRONIC PACKAGING**

GS ELECTRONIC EQUIPMENT  
ELECTRONIC PACKAGING  
PACKAGING  
ELECTRONIC PACKAGING  
RT CIRCUIT BOARDS  
DTL INTEGRATED CIRCUITS  
ENCAPSULATING  
HYBRID CIRCUITS  
INTEGRATED CIRCUITS  
LARGE SCALE INTEGRATION  
LINEAR INTEGRATED CIRCUITS  
MEDIUM SCALE INTEGRATION  
MICROMODULES  
PRINTED CIRCUITS  
THICK FILMS  
TTL INTEGRATED CIRCUITS

**ELECTRONIC PHOTOGRAPHY**

USE ELECTRO-OPTICAL PHOTOGRAPHY

**ELECTRONIC RECORDING SYSTEMS**

GS ELECTRONIC EQUIPMENT  
ELECTRONIC RECORDING SYSTEMS  
RT RECORDING INSTRUMENTS  
SYSTEMS  
TAPE RECORDERS

**ELECTRONIC SIGNAL MEASUREMENT**

USE SIGNAL MEASUREMENT

**ELECTRONIC SPECTRA**

SN (EMISSION OR ABSORPTION MOLECULAR SPECTRA OF AN ELECTRON TRANSITION)  
GS SPECTRA  
ENERGY SPECTRA  
ELECTRONIC SPECTRA  
MOLECULAR SPECTRA  
ELECTRONIC SPECTRA  
RADIATION SPECTRA  
ELECTROMAGNETIC SPECTRA  
LINE SPECTRA  
ELECTRONIC SPECTRA  
RT ABSORPTION SPECTRA  
EMISSION SPECTRA  
LYMAN SPECTRA  
SPECTRAL BANDS  
VIBRATIONAL SPECTRA

**ELECTRONIC STRUCTURE**

USE ATOMIC STRUCTURE

**ELECTRONIC SWITCHES**

USE SWITCHING CIRCUITS

**ELECTRONIC TRANSDUCERS**

GS ELECTRONIC EQUIPMENT  
ELECTRONIC TRANSDUCERS  
TRANSDUCERS  
ELECTRONIC TRANSDUCERS  
RT MAGNETIC TRANSDUCERS  
SENSORS  
ULTRASONIC WAVE TRANSDUCERS

**ELECTRONIC WARFARE**

GS MILITARY OPERATIONS  
ELECTRONIC WARFARE  
WARFARE  
ELECTRONIC WARFARE  
RT AIR DEFENSE  
ANTIRADAR COATINGS  
CHAFF  
COMBAT  
DECEPTION  
ELECTROMAGNETIC COMPATIBILITY  
ELECTROMAGNETIC INTERFERENCE  
ELECTROMAGNETIC SPECTRA  
ELECTRONIC COUNTERMEASURES  
EVASIVE ACTIONS  
JAMMING  
MISSILE DETECTION  
PEACETIME  
RADAR DETECTION  
RADIO FREQUENCY INTERFERENCE  
STRATEGY

**ELECTRONICS**

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)  
UF PHOTOELECTRONICS  
RT ASTRONICS  
AVIONICS  
DIGITAL ELECTRONICS  
ELECTRICAL ENGINEERING  
ELECTRICITY  
ELECTRONIC EQUIPMENT  
ELECTROPHYSICS  
MEDICAL ELECTRONICS  
MICROELECTRONICS  
MOLECULAR ELECTRONICS  
NUCLEONICS  
QUANTUM ELECTRONICS  
RADIO ELECTRONICS  
THERMIONICS  
TRANSISTOR CIRCUITS  
VOLT-AMPERE CHARACTERISTICS

**ELECTRONOGRAPHY**

RT ELECTROPHYSIOLOGY  
PRINTING

**ELECTRONS**

UF ELECTRON FLUX  
NONRELATIVISTIC ELECTRONS  
GS PARTICLES  
CHARGED PARTICLES  
ENERGETIC PARTICLES  
ELECTRONS  
CONDUCTION ELECTRONS  
HIGH ENERGY ELECTRONS  
HOT ELECTRONS



## ELECTRONYSTAGMOGRAPHY

### ELECTRONS-(CONT.)

- ..... N ELECTRONS
- ..... NEGATRONS
- ..... PI-ELECTRONS
- RT ACCEPTOR MATERIALS
- BETA PARTICLES
- BOHR MAGNETON
- COSMIC RAYS
- DONOR MATERIALS
- ELECTRON ACCELERATION
- ELECTRON MASS
- EXCITONS
- HOLES (ELECTRON DEFICIENCIES)
- LEWIS BASE
- MAJORITY CARRIERS
- ∞ MATERIALS
- MINORITY CARRIERS
- MUONIUM
- N-TYPE SEMICONDUCTORS
- NUCLEAR RADIATION
- POMERANCHUK THEOREM
- QUANTUM NUMBERS
- RADIATION BELTS
- SEMICONDUCTORS (MATERIALS)
- SUHL EFFECT

### ELECTRONYSTAGMOGRAPHY

- GS BIOENGINEERING
- BIOMETRICS
- ... ELECTRONYSTAGMOGRAPHY
- PHYSIOLOGICAL TESTS
- ... ELECTRONYSTAGMOGRAPHY
- RT EYE EXAMINATIONS
- EYE MOVEMENTS
- NYSTAGMUS
- OPHTHALMOLOGY

### ELECTROPHORESIS

- UF CONTINUOUS FLOW ELECTROPHORESIS
- RT BIOPROCESSING
- COLLOIDS
- ELECTRODEPOSITION
- ELECTROPLATING
- ∞ MICROGRAVITY APPLICATIONS
- PARTICLE MOTION

### ELECTROPHOTOMETERS

- UF PHOTOELECTRIC PHOTOMETERS
- GS MEASURING INSTRUMENTS
- OPTICAL MEASURING INSTRUMENTS
- ... PHOTOMETERS
- ... ELECTROPHOTOMETERS
- RADIATION MEASURING INSTRUMENTS
- ... PHOTOMETERS
- ... ELECTROPHOTOMETERS
- OPTICAL EQUIPMENT
- OPTICAL MEASURING INSTRUMENTS
- ... PHOTOMETERS
- ... ELECTROPHOTOMETERS
- RT ELECTROPHOTOMETRY

### ELECTROPHOTOMETRY

- GS CHEMICAL TESTS
- CHEMICAL ANALYSIS
- ... ELECTROPHOTOMETRY
- OPTICAL MEASUREMENT
- PHOTOMETRY
- ... ELECTROPHOTOMETRY
- RT COLORIMETRY
- ELECTROPHOTOMETERS
- ELECTROPHYSICS
- ∞ MATERIALS TESTS
- MICROANALYSIS
- PHOTOMETERS
- PIXELS
- QUALITATIVE ANALYSIS
- QUANTITATIVE ANALYSIS
- SPECTROSCOPIC ANALYSIS
- SPECTROSCOPY

### ELECTROPHYSICS

- GS ELECTROPHYSICS
- ELECTRO-OPTICS
- MOLECULAR ELECTRONICS
- RT ELECTROCHEMISTRY
- ELECTROKINETICS
- ELECTROMAGNETISM
- ∞ ELECTRONICS
- ELECTROPHOTOMETRY
- ∞ PHYSICS
- ∞ SCIENCE
- THEORETICAL PHYSICS

### ELECTROPHYSIOLOGY

- GS PHYSIOLOGY

### ELECTROPHYSIOLOGY-(CONT.)

- ... ELECTROPHYSIOLOGY
- RT BODY MEASUREMENT (BIOLOGY)
- DEPOLARIZATION
- ECHOENCEPHALOGRAPHY
- ELECTROCARDIOGRAPHY
- ELECTROENCEPHALOGRAPHY
- ELECTROMYOGRAPHY
- ELECTRONARCOSIS
- ELECTRONEUROGRAPHY
- ELECTROPLETHYSMOGRAPHY
- ELECTRORETINOGRAPHY
- HIS BUNDLE
- INFORMATION PROCESSING (BIOLOGY)
- NERVOUS SYSTEM
- NEUROLOGY
- ∞ SCIENCE

### ELECTROPLATING

- GS COATING
- ... ELECTROPLATING
- COATINGS
- ... ELECTROPLATING
- DEPOSITION
- ... ELECTRODEPOSITION
- ... ELECTROPLATING
- PLATING
- RT ... ELECTROPLATING
- BATHS
- CATHODIC COATINGS
- CURRENT DENSITY
- ELECTRODES
- ELECTROFORMING
- ELECTROLYSIS
- ELECTROLYTES
- ELECTROLYTIC CELLS
- ELECTROPHORESIS
- METALLIZING
- NICKEL PLATE
- PROTECTIVE COATINGS
- SURFACE FINISHING

### ELECTROPLETHYSMOGRAPHY

- GS BIOENGINEERING
- BIOMETRICS
- ... BODY MEASUREMENT (BIOLOGY)
- ... ELECTROPLETHYSMOGRAPHY
- ... PLETHYSMOGRAPHY
- ... ELECTROPLETHYSMOGRAPHY
- RT BLOOD CIRCULATION
- ELECTROPHYSIOLOGY
- MEDICAL ELECTRONICS

### ELECTROPOLISHING

- UF ELECTROLYTIC POLISHING
- GS METAL FINISHING
- ... ELECTROPOLISHING
- POLISHING
- METAL POLISHING
- ... ELECTROPOLISHING
- RT ELECTROCHEMICAL MACHINING
- METALLOGRAPHY
- SURFACE FINISHING

### ELECTROREFINING

- GS REFINING
- ... ELECTROREFINING
- RT ELECTRODES
- ELECTROLYTES
- ELECTROLYTIC CELLS
- ELECTROWINNING

### ELECTRORETINOGRAPHY

- GS BIOENGINEERING
- BIOMETRICS
- ... ELECTRORETINOGRAPHY
- RT ELECTROPHYSIOLOGY
- MEDICAL ELECTRONICS
- RETINA

### ELECTROSEISMIC EFFECT

- USE ELECTRIC CURRENT
- SEISMIC WAVES

### ∞ ELECTROSLAG PROCESS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT ELECTROSLAG REFINING
- ELECTROSLAG WELDING

### ELECTROSLAG REFINING

- GS REFINING
- ... ELECTROSLAG REFINING
- RT ARC MELTING

### ELECTROSLAG REFINING-(CONT.)

- ∞ ELECTROSLAG PROCESS
- RESISTANCE HEATING

### ELECTROSLAG WELDING

- GS WELDING
- ... ELECTRIC WELDING
- ... ELECTROSLAG WELDING
- RT ∞ ELECTROSLAG PROCESS

### ELECTROSTATIC BONDING

- RT COVERINGS
- ENCAPSULATING
- ENERGY TECHNOLOGY
- GLASS
- SOLAR ARRAYS
- SOLAR CELLS

### ELECTROSTATIC CHARGE

- GS ELECTRIC CHARGE
- ... ELECTROSTATIC CHARGE
- RT CAPACITANCE
- CHARGE DISTRIBUTION
- ∞ CHARGING
- ELECTRIC DISCHARGES
- ELECTRIC FIELDS
- ELECTROSTATICS
- SCATHA SATELLITE
- STATIC ELECTRICITY
- XEROGRAPHY

### ELECTROSTATIC DRAG

- GS DYNAMIC CHARACTERISTICS
- DRAG
- ... ELECTROSTATIC DRAG
- RT DRAG MEASUREMENT
- SATELLITE DRAG

### ELECTROSTATIC ENGINES

- GS ENGINES
- ROCKET ENGINES
- ... ELECTRIC ROCKET ENGINES
- ... ELECTROSTATIC ENGINES
- RT ARC JET ENGINES
- CESIUM ENGINES
- ION ENGINES
- MERCURY ION ENGINES
- MICROROCKET ENGINES
- RESTARTABLE ROCKET ENGINES
- RIT ENGINES
- SUSTAINER ROCKET ENGINES
- VERNIER ENGINES

### ELECTROSTATIC EROSION

- USE SPARK MACHINING

### ELECTROSTATIC FIELDS

- USE ELECTRIC FIELDS

### ELECTROSTATIC GENERATORS

- GS ELECTRIC GENERATORS
- DIRECT POWER GENERATORS
- ... ELECTROSTATIC GENERATORS
- RT ARC GENERATORS
- ∞ GENERATORS
- KLYSTRONS
- MAGNETRONS
- ROTATING GENERATORS
- VOLTAGE GENERATORS

### ELECTROSTATIC GYROSCOPES

- UF ELECTRICALLY SUSPENDED
- GYROSCOPES
- ESG (GYROSCOPES)
- GS GYROSCOPES
- ... ELECTROSTATIC GYROSCOPES
- RT LEVITATION

### ELECTROSTATIC PLASMA

- USE PLASMAS (PHYSICS)

### ELECTROSTATIC PRECIPITATORS

- GS SEPARATORS
- PRECIPITATORS
- ... ELECTROSTATIC PRECIPITATORS
- RT ADSORPTION
- AIR PURIFICATION
- AIR SAMPLING
- DUST COLLECTORS
- FLY ASH
- ∞ SEPARATION

### ELECTROSTATIC PROBES

- UF LANGMUIR PROBES

# ELEVATION ANGLE

## ELECTROSTATIC PROBES-(CONT.)

- GS MEASURING INSTRUMENTS
  - .. PLASMA PROBES
  - .. **ELECTROSTATIC PROBES**
  - .. RADIATION MEASURING INSTRUMENTS
  - .. **ELECTROSTATIC PROBES**
- RT ELECTRON ENERGY
  - .. PLASMA FREQUENCIES
  - .. RADIATION COUNTERS
  - .. SCATHA SATELLITE

## ELECTROSTATIC PROPULSION

- GS PROPULSION
  - .. ELECTRIC PROPULSION
  - .. **ELECTROSTATIC PROPULSION**
  - .. ION PROPULSION
  - .. LOW THRUST PROPULSION
  - .. **ELECTROSTATIC PROPULSION**
  - .. ION PROPULSION
  - .. SPACECRAFT PROPULSION
  - .. **ELECTROSTATIC PROPULSION**
  - .. ION PROPULSION
- RT ELECTROMAGNETIC PROPULSION
  - .. PLASMA PROPULSION

## ELECTROSTATIC SHIELDING

- GS SHIELDING
  - .. **ELECTROSTATIC SHIELDING**
- RT ELECTRIC CONDUCTORS
  - .. SCATHA SATELLITE

## ELECTROSTATIC WAVES

- GS ELASTIC WAVES
  - .. MAGNETOHYDRODYNAMIC WAVES
  - .. PLASMA WAVES
  - .. **ELECTROSTATIC WAVES**
- RT DIFFUSION WAVES
  - .. IONIC WAVES
  - .. LONGITUDINAL WAVES
  - .. MAGNETOELASTIC WAVES
  - .. SHOCK WAVES

## ELECTROSTATICS

- GS STATICS
  - .. **ELECTROSTATICS**
- RT BORN-INFELD THEORY
  - .. ELECTRIC FIELDS
  - .. ELECTROMAGNETIC INTERACTIONS
  - .. ELECTROMECHANICS
  - .. ELECTROSTATIC CHARGE
  - .. MAGNETOSTATICS
  - .. POISSON EQUATION
  - .. STATIC ELECTRICITY

## ELECTROSTRICTION

- GS ELECTRICAL PROPERTIES
  - .. **ELECTROSTRICTION**
  - .. MECHANICAL PROPERTIES
  - .. **ELECTROSTRICTION**
- RT MAGNETOSTRICTION
  - .. PIEZOELECTRICITY

## ELECTROTHERMAL ENGINES

- GS ENGINES
  - .. ROCKET ENGINES
  - .. ELECTRIC ROCKET ENGINES
  - .. **ELECTROTHERMAL ENGINES**
  - .. ARC JET ENGINES
  - .. RESISTOJET ENGINES
- RT HIGH TEMPERATURE PROPELLANTS
  - .. ION ENGINES
  - .. NUCLEAR ELECTRIC PROPULSION
  - .. PULSED JET ENGINES
  - .. RESTARTABLE ROCKET ENGINES
  - .. SUSTAINER ROCKET ENGINES

## ELECTROWINNING

- RT ELECTRODEPOSITION
  - .. ELECTRODES
  - .. ELECTROLYTES
  - .. ELECTROLYTIC CELLS
  - .. ELECTROREFINING

## ELEKTRON SATELLITES

- GS ARTIFICIAL SATELLITES
  - .. METEOROLOGICAL SATELLITES
  - .. **ELEKTRON SATELLITES**
  - .. ELEKTRON 1 SATELLITE
  - .. ELEKTRON 2 SATELLITE
  - .. ELEKTRON 4 SATELLITE

## ELEKTRON 1 SATELLITE

- GS ARTIFICIAL SATELLITES
  - .. METEOROLOGICAL SATELLITES

## ELEKTRON 1 SATELLITE-(CONT.)

- .. ELEKTRON SATELLITES
- .. **ELEKTRON 1 SATELLITE**

## ELEKTRON 2 SATELLITE

- GS ARTIFICIAL SATELLITES
  - .. METEOROLOGICAL SATELLITES
  - .. ELEKTRON SATELLITES
  - .. **ELEKTRON 2 SATELLITE**

## ELEKTRON 4 SATELLITE

- GS ARTIFICIAL SATELLITES
  - .. METEOROLOGICAL SATELLITES
  - .. ELEKTRON SATELLITES
  - .. **ELEKTRON 4 SATELLITE**

## ELEMENT ABUNDANCE

- USE ABUNDANCE

## ELEMENT 104

- GS CHEMICAL ELEMENTS
  - .. **ELEMENT 104**
- RT  $\infty$  ELEMENTS

## ELEMENT 105

- GS CHEMICAL ELEMENTS
  - .. **ELEMENT 105**
- RT  $\infty$  ELEMENTS

## ELEMENTARY EXCITATIONS

- UF QUASI-PARTICLES
- GS **ELEMENTARY EXCITATIONS**
  - .. EXCITONS
  - .. MAGNONS
  - .. PHONONS
  - .. PHONON BEAMS
  - .. PLASMONS
  - .. POLARONS
- RT MANY BODY PROBLEM

## ELEMENTARY PARTICLE INTERACTIONS

- GS PARTICLE INTERACTIONS
  - .. **ELEMENTARY PARTICLE INTERACTIONS**
  - .. HIGH ENERGY INTERACTIONS
  - .. STRONG INTERACTIONS (FIELD THEORY)
  - .. MESON-MESON INTERACTIONS
  - .. MESON-NUCLEON INTERACTIONS
  - .. NUCLEAR CAPTURE
  - .. ELECTRON CAPTURE
  - .. NUCLEON-NUCLEON INTERACTIONS
  - .. WEAK ENERGY INTERACTIONS
  - .. WEAK INTERACTIONS (FIELD THEORY)
- RT ANGULAR DISTRIBUTION
  - .. ELECTROMAGNETIC INTERACTIONS
- $\infty$  INTERACTIONS
  - .. ION ATOM INTERACTIONS
  - .. MANDELSTAM REPRESENTATION
  - .. PHOTON-ELECTRON INTERACTION
  - .. VENEZIANO MODEL

## ELEMENTARY PARTICLES

- GS PARTICLES
  - .. **ELEMENTARY PARTICLES**
  - .. ANTIPARTICLES
  - .. ANTINEUTRINOS
  - .. ANTINUCLEONS
  - .. ANTIPROTONS
  - .. POSITRONS
  - .. BETA PARTICLES
  - .. BOSONS
  - .. ALPHA PARTICLES
  - .. MESONS
    - .. ETA-MESONS
    - .. KAONS
    - .. MESON RESONANCE
    - .. X MESONS
    - .. MUONS
    - .. PIONS
    - .. VECTOR MESONS
    - .. RHO-MESONS
    - .. SIGMA-MESONS
    - .. PHOTONS
    - .. LIGHT BEAMS
    - .. XI HYPERONS
    - .. DEUTERONS
    - .. FERMIONS
    - .. BARYONS
    - .. HYPERONS
    - .. XI HYPERONS
    - .. OMEGA-MESONS
    - .. RHO-MESONS
    - .. SIGMA-MESONS

## ELEMENTARY PARTICLES-(CONT.)

- .. ETA-MESONS
- .. LEPTONS
- .. ANTINEUTRINOS
- .. MUONS
- .. NEUTRINOS
- .. SOLAR NEUTRINOS
- .. MESON RESONANCE
- .. NEUTRONS
  - .. COLD NEUTRONS
  - .. FAST NEUTRONS
  - .. PHOTONEUTRONS
  - .. SOLAR NEUTRONS
  - .. THERMAL NEUTRONS
- .. PROTONS
- .. RECOIL PROTONS
- .. SOLAR PROTONS
- .. GLUONS
- .. GRAVITINOS
- .. GRAVITONS
- .. HADRONS
- .. BARYONS
- .. OMEGA-MESONS
- .. RHO-MESONS
- .. SIGMA-MESONS
- .. MESONS
  - .. KAONS
  - .. MUONS
  - .. OMEGA-MESONS
  - .. VECTOR MESONS
  - .. RHO-MESONS
  - .. SIGMA-MESONS
- .. MAGNETIC MONOPOLES
- .. NUCLEONS
- .. PARTONS
- .. QUARKS
- .. TACHYONS

- RT ATOMIC STRUCTURE
  - .. BUBBLE CHAMBERS
  - .. CHARGED PARTICLES
  - .. DE BROGLIE WAVELENGTHS
  - .. GEOCYCLOTRONS
  - .. HYPERNUCLEI
  - .. INSTANTONS
  - .. IONIZING RADIATION
  - .. NEUTRON SCATTERING
  - .. NUCLEAR INTERACTIONS
  - .. NUCLEAR PARTICLES
  - .. NUCLEAR RADIATION
  - .. NUCLEI (NUCLEAR PHYSICS)
  - .. PARTICLE ACCELERATORS
  - .. POMERANCHUK THEOREM
  - .. POSITRON ANNIHILATION
  - .. QUANTUM THEORY
  - .. RADIATION BELTS

## $\infty$ ELEMENTS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT ATOMS
  - .. CHEMICAL ELEMENTS
  - .. ELEMENT 104
  - .. ELEMENT 105
  - .. HEAVY ELEMENTS
  - .. ISOPARAMETRIC FINITE ELEMENTS
  - .. LIGHT ELEMENTS
  - .. LOGICAL ELEMENTS
  - .. NEUTRAL ATOMS
  - .. NUCLEAR FUEL ELEMENTS
  - .. ORBITAL ELEMENTS
  - .. TASKS

## ELEVATION

- RT ALTIMETRY
  - .. ALTITUDE
  - .. CONTOURS
  - .. HEAD (FLUID MECHANICS)
  - .. HYDROSTATIC PRESSURE
  - .. HYDROSTATICS
  - .. HYPSONOGRAPHY
  - .. LOW ALTITUDE
  - .. PRESSURE HEADS
  - .. TOPOGRAPHY

## ELEVATION ANGLE

- UF ALMUCANTAR
- GS GEOMETRY
  - .. EUCLIDEAN GEOMETRY
  - .. ANGLES (GEOMETRY)
  - .. **ELEVATION ANGLE**
- RT ALTITUDE
  - .. AZIMUTH
  - .. DATUM (ELEVATION)
  - .. FIELD OF VIEW

## ELEVATIONS (DRAWINGS)

**ELEVATION ANGLE-(CONT.)**  
LOOK ANGLES (TRACKING)  
TOPOGRAPHY

**ELEVATIONS (DRAWINGS)**  
USE DRAWINGS

**ELEVATOR ILLUSION**  
GS PSYCHOLOGICAL EFFECTS  
ILLUSIONS  
OPTICAL ILLUSION  
ELEVATOR ILLUSION  
RT VISUAL PERCEPTION

**ELEVATORS (CONTROL SURFACES)**  
GS AIRFOILS  
ELEVATORS (CONTROL SURFACES)  
CONTROL SURFACES  
ELEVATORS (CONTROL SURFACES)  
RTAILERONS  
CONTROL  
ELEVONS  
HORIZONTAL TAIL SURFACES  
HYDROFOILS  
STABILIZERS (FLUID DYNAMICS)  
SURFACES  
TABS (CONTROL SURFACES)  
TAIL ASSEMBLIES  
TAIL SURFACES

**ELEVATORS (LIFTS)**  
RT CONVEYORS  
ESCALATORS  
JACKS  
LIFTS  
WINCHES

**ELEVONS**  
GS AIRFOILS  
ELEVONS  
CONTROL SURFACES  
ELEVONS  
RTAILERONS  
ELEVATORS (CONTROL SURFACES)  
LATERAL CONTROL  
TABS (CONTROL SURFACES)

**ELIMINATION**  
GS ELIMINATION  
DELETION  
RTATTENUATION  
CANCELLATION  
DECONTAMINATION  
DEPLETION  
DISCHARGE  
DISPOSAL  
EVACUATING (TRANSPORTATION)  
EVACUATING (VACUUM)  
EXCLUSION  
EXHAUST SYSTEMS  
EXHAUSTING  
GAUSSIAN ELIMINATION  
POLLUTION  
PURIFICATION  
REDUCTION  
REJECTION  
SEPARATION  
STOPPING  
WASTE DISPOSAL

**ELLIPSES**  
GS GEOMETRY  
EUCLIDEAN GEOMETRY  
ANALYTIC GEOMETRY  
CONICS  
ELLIPSES  
RTCIRCLES (GEOMETRY)

**ELLIPSOIDS**  
UF IZSAK ELLIPSOID  
GS SYMMETRICAL BODIES  
ELLIPSOIDS  
RTBODIES OF REVOLUTION  
ELLIPTICITY  
OGIVES

**ELLIPSOMETERS**  
GS MEASURING INSTRUMENTS  
OPTICAL MEASURING INSTRUMENTS  
ELLIPSOMETERS  
OPTICAL EQUIPMENT  
OPTICAL MEASURING INSTRUMENTS  
ELLIPSOMETERS  
RTPHOTOMETERS

**ELLIPSOMETERS-(CONT.)**  
POLARIMETERS

**ELLIPTIC DIFFERENTIAL EQUATIONS**  
GS ANALYSIS (MATHEMATICS)  
REAL VARIABLES  
DIFFERENTIAL EQUATIONS  
PARTIAL DIFFERENTIAL EQUATIONS  
ELLIPTIC DIFFERENTIAL  
EQUATIONS  
MONGE-AMPERE EQUATION  
RT EQUATIONS  
HALF SPACES  
MAXIMUM PRINCIPLE

**ELLIPTIC FUNCTIONS**  
UF ELLIPTIC INTEGRALS  
GS ANALYSIS (MATHEMATICS)  
COMPLEX VARIABLES  
MEROMORPHIC FUNCTIONS  
ELLIPTIC FUNCTIONS  
FUNCTIONS (MATHEMATICS)  
MEROMORPHIC FUNCTIONS  
ELLIPTIC FUNCTIONS  
RTJACOBI INTEGRAL  
WEIERSTRASS FUNCTIONS

**ELLIPTIC INTEGRALS**  
USE ELLIPTIC FUNCTIONS

**ELLIPTICAL CYLINDERS**  
RT CIRCULAR CYLINDERS  
CYLINDERS  
CYLINDRICAL BODIES  
CYLINDRICAL SHELLS

**ELLIPTICAL GALAXIES**  
GS CELESTIAL BODIES  
GALAXIES  
ELLIPTICAL GALAXIES  
RTDISK GALAXIES  
GALACTIC CLUSTERS  
LOCAL GROUP (ASTRONOMY)  
SPIRAL GALAXIES  
STAR CLUSTERS  
VIRGO GALACTIC CLUSTER

**ELLIPTICAL ORBITS**  
UF HOHMANN TRAJECTORIES  
HOHMANN TRANSFER ORBITS  
GS ORBITS  
ELLIPTICAL ORBITS  
APHELIONS  
APOGEES  
PERIGEEES  
PERIHELIONS  
TRANSFER ORBITS  
INTERPLANETARY TRANSFER  
ORBITS  
RTAPSIDES  
CIRCULAR ORBITS  
EARTH ORBITS  
EARTH-MARS TRAJECTORIES  
EARTH-MERCURY TRAJECTORIES  
ECCENTRIC ORBITS  
ELLIPTICITY  
EQUATORIAL ORBITS  
EULER-LAMBERT EQUATION  
LUNAR ORBITS  
ORBITAL MECHANICS  
PAS  
PLANETARY ORBITS  
POLAR ORBITS  
SATELLITE ORBITS  
SOLAR ORBITS  
SPACECRAFT ORBITS

**ELLIPTICAL PLASMAS**  
GS PARTICLES  
CHARGED PARTICLES  
ENERGETIC PARTICLES  
PLASMAS (PHYSICS)  
ELLIPTICAL PLASMAS  
RTMAGNETOHYDRODYNAMIC STABILITY  
PLASMA CONTROL  
TOROIDAL PLASMAS

**ELLIPTICAL POLARIZATION**  
GS POLARIZATION (WAVES)  
ELLIPTICAL POLARIZATION  
RTCIRCULAR POLARIZATION  
MAGNETOIONICS

**ELLIPTICITY**  
GS SHAPES  
ELLIPTICITY  
RT ECCENTRICITY  
ELLIPSOIDS  
ELLIPTICAL ORBITS  
FLATTENING  
OBLATE SPHEROIDS

**ELONGATION**  
RT ANGLES (GEOMETRY)  
DEFORMATION  
DUCTILITY  
ECCENTRICITY  
EXPANSION  
MECHANICAL PROPERTIES  
PLASTIC DEFORMATION  
STRETCHING  
SUPERPLASTICITY  
TENSILE DEFORMATION  
TENSILE STRENGTH

**ELUTION**  
UF ELUTRIATION  
RT ADSORPTION  
EXTRACTION  
FLUSHING  
LEACHING  
PURIFICATION  
SEPARATION  
WASHING

**ELUTRIATION**  
USE ELUTION

**EMANATION**  
USE EMISSION

**EMBEDDED COMPUTER SYSTEMS**  
GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
EMBEDDED COMPUTER SYSTEMS  
AIRBORNE/SPACEBORNE  
COMPUTERS  
RT ADA (PROGRAMMING LANGUAGE)

**EMBEDDING**  
RT ACCELERATION PROTECTION  
ENCAPSULATING  
INSERTION

**EMBOLISMS**  
GS EMBOLISMS  
AEROEMBOLISM  
FAT EMBOLISMS  
RT BLOOD VESSELS  
CLOTTING  
COAGULATION  
INFARCTION

**EMBOSSING**  
RT BRAILLE

**EMBRITTEMENT**  
RT BRITTLE MATERIALS  
BRITTLINESS  
DEGRADATION  
TIME TEMPERATURE PARAMETER

**EMBRYOLOGY**  
RT BIOLOGY  
DIENCEPHALON  
DIFFERENTIATION (BIOLOGY)  
EMBRYOS  
FETUSES  
NEUROBLASTS  
REPRODUCTION (BIOLOGY)

**EMBRYOS**  
RT EGGS  
EMBRYOLOGY  
FETUSES  
SEEDS

**EMERALD**  
USE BERYL

**EMERGENCIES**  
RT ACCIDENTS  
DISASTERS  
FAIL-SAFE SYSTEMS

**EMERGENCY BREATHING TECHNIQUES**  
RT BREATHING

**EMERGENCY BREATHING TECHNIQUES-(CONT.)**

∞ METHODOLOGY  
PRESSURE BREATHING  
RESPIRATORS  
RESUSCITATION

**EMERGENCY LIFE SUSTAINING SYSTEMS**

GS SUPPORT SYSTEMS  
LIFE SUPPORT SYSTEMS  
EMERGENCY LIFE SUSTAINING SYSTEMS  
AEPS  
RT ENVIRONMENTAL CONTROL  
ESCAPE CAPSULES  
FLOATS  
HIGH ALTITUDE BREATHING  
MEDICAL EQUIPMENT  
OXYGEN SUPPLY EQUIPMENT  
PORTABLE LIFE SUPPORT SYSTEMS  
PRESSURIZED CABINS  
PROTECTIVE CLOTHING  
SAFETY  
SAFETY DEVICES  
SURVIVAL EQUIPMENT  
∞ SYSTEMS

**EMERGENCY LOCATOR TRANSMITTERS**

GS TRANSMITTERS  
EMERGENCY LOCATOR TRANSMITTERS

**EMERGING**

RT EMISSION  
EMISSIVITY  
EMITTANCE

**EMISSION**

UF EMANATION  
GS EMISSION  
ACOUSTIC EMISSION  
EXHAUST EMISSION  
LIGHT EMISSION  
INCANDESCENCE  
LUMINESCENCE  
BIOLUMINESCENCE  
CATHODE GLOW  
CATHODOLUMINESCENCE  
CHEMILUMINESCENCE  
ELECTROLUMINESCENCE  
FLUORESCENCE  
LASER INDUCED FLUORESCENCE  
PHOSPHORESCENCE  
RESONANCE FLUORESCENCE  
X RAY FLUORESCENCE  
LUNAR LUMINESCENCE  
OPTICAL RESONANCE  
PHOTOLUMINESCENCE  
TRIBOLUMINESCENCE  
X RAY FLUORESCENCE  
SHOCK WAVE LUMINESCENCE  
SONOLUMINESCENCE  
SPACECRAFT GLOW  
THERMOLUMINESCENCE  
MICROWAVE EMISSION  
PARTICLE EMISSION  
ELECTRON EMISSION  
FIELD EMISSION  
PHOTOELECTRIC EMISSION  
SECONDARY EMISSION  
ION EMISSION  
NEUTRON EMISSION  
THERMIONIC EMISSION  
PHOTOIONIZATION  
RADIO EMISSION  
CN EMISSION  
HYDROXYL EMISSION  
RADIO BURSTS  
SOLAR RADIO BURSTS  
TYPE 2 BURSTS  
TYPE 3 BURSTS  
TYPE 4 BURSTS  
TYPE 5 BURSTS  
SOLAR RADIO EMISSION  
SOLAR RADIO BURSTS  
TYPE 2 BURSTS  
TYPE 3 BURSTS  
TYPE 4 BURSTS  
TYPE 5 BURSTS  
SELF SUSTAINED EMISSION  
SPECTRAL EMISSION  
SPONTANEOUS EMISSION  
STIMULATED EMISSION  
WATER MASERS  
THERMAL EMISSION  
THERMIONIC EMISSION

**EMISSION-(CONT.)**

RT AIRGLOW  
ATOMIC RECOMBINATION  
BURSTS  
DECAY  
DISCHARGE  
EFFLUX  
EJECTION  
EMERGING  
EMITTERS  
EXCITATION  
IONIZING RADIATION  
IRRADIATION  
NUCLEAR REACTIONS  
PAIR PRODUCTION  
QUANTUM THEORY  
RADIATION  
RADIOACTIVE DECAY  
RADIOACTIVITY  
RELEASING  
SELECTION RULES (NUCLEAR PHYSICS)  
SPUTTERING

**EMISSION SPECTRA**

SN (LIMITED TO ELECTROMAGNETIC RADIATION OF ANY WAVELENGTH EMITTED FROM EXCITED MATTER-EXCLUDES PARTICLE SPECTRA)  
GS SPECTRA  
RADIATION SPECTRA  
EMISSION SPECTRA  
RT ABSORPTION SPECTRA  
ATOMIC RECOMBINATION  
BALMER SERIES  
CONTINUOUS RADIATION  
D LINES  
ELECTROMAGNETIC SPECTRA  
ELECTRON SPECTROSCOPY  
ELECTRONIC SPECTRA  
FLAME SPECTROSCOPY  
GAMMA RAY SPECTRA  
GAMMA RAYS  
H ALPHA LINE  
H BETA LINE  
H GAMMA LINE  
H II REGIONS  
H LINES  
HYDROXYL EMISSION  
INFRARED SPECTRA  
K LINES  
LINE SPECTRA  
LYMAN SPECTRA  
MOLECULAR SPECTRA  
MOLECULAR SPECTROSCOPY  
NUCLEAR RADIATION  
OPTICAL EMISSION SPECTROSCOPY  
OPTICAL TRANSITION  
PASCHEN SERIES  
PHOTOLUMINESCENT BANDS  
PLASMA SPECTRA  
RAMAN SPECTRA  
RYDBERG SERIES  
SCHUMANN-RUNGE BANDS  
SOLAR SPECTRA  
SOLAR SPECTROMETERS  
SPECTRAL SIGNATURES  
SPECTRUM ANALYSIS  
SPONTANEOUS EMISSION  
STELLAR SPECTRA  
SWAN BANDS  
SYMBIOTIC STARS  
ULTRAVIOLET SPECTRA  
VEGARD-KAPLAN BANDS  
VISIBLE SPECTRUM  
X RAY STARS  
X RAYS

**EMISSIVITY**

UF PHOTOEMISSIVITY  
GS THERMODYNAMIC PROPERTIES  
THERMOPHYSICAL PROPERTIES  
EMISSION  
RT BLACK BODY RADIATION  
BRIGHTNESS  
EMERGING  
EMITTANCE  
HOHLRAUMS  
INCANDESCENCE  
LUMINOSITY  
NONGRAY ATMOSPHERES  
NONGRAY GAS  
OPTICAL MEASUREMENT  
RADIANCE  
RADIANT FLUX DENSITY

**EMISSIVITY-(CONT.)**

STEFAN-BOLTZMANN LAW  
SURFACE PROPERTIES  
TEMPERATURE  
THERMAL EMISSION

**EMISSOGRAPHS**

USE ACTINOMETERS  
RECORDING INSTRUMENTS

**EMITTANCE**

RT EMERGING  
EMISSIVITY  
FLUX (RATE)  
LUMINOSITY  
LUMINOUS INTENSITY  
OPTICAL PROPERTIES  
RADIANCE  
RADIANT FLUX DENSITY  
SPECTRAL EMISSION  
THERMODYNAMIC PROPERTIES

**EMITTERS**

GS EMITTERS  
THERMIONIC CATHODES  
THERMIONIC EMITTERS  
RT ELECTRON EMISSION  
EMISSION  
SEMICONDUCTORS (MATERIALS)

**EMOTIONAL FACTORS**

RT ANGINA PECTORIS  
DETACHMENT  
DISORDERS  
DITHERS  
FEEDBACK  
FRUSTRATION  
HUMAN REACTIONS  
MOODS  
PANIC  
PHOBIAS  
PSYCHOLOGICAL FACTORS  
PSYCHOLOGY  
SENSORY FEEDBACK  
SENSORY STIMULATION

**EMOTIONS**

RT DEPRESSION  
FEAR  
FEAR OF FLYING  
FRUSTRATION  
HUMAN BEHAVIOR  
LAUGHING  
MOODS  
PANIC  
PSYCHOLOGICAL EFFECTS  
PSYCHOLOGY  
SENSORY FEEDBACK

**EMPENNAGE**

USE TAIL ASSEMBLIES

**EMPHYSEMA**

GS DISEASES  
RESPIRATORY DISEASES  
EMPHYSEMA  
RT OCCUPATIONAL DISEASES

**EMPLOYEE RELATIONS**

RT COOPERATION  
HUMAN RELATIONS  
PERSONNEL  
PERSONNEL DEVELOPMENT  
PERSONNEL MANAGEMENT  
POSITION (TITLE)  
PRODUCTION MANAGEMENT  
RETIREMENT  
WAGE SURVEYS

**EMPLOYMENT**

RT PERSONNEL SELECTION  
TESTS

**EMPTYING**

RT DISPOSAL  
DUMPING  
EJECTION  
EXPULSION  
EXPULSION BLADDERS  
JETTISONING  
MATERIALS HANDLING  
RELEASING  
REMOVAL  
SPILLING

## EMR 6050 COMPUTER

### EMPTYING-(CONT.)

SPREADING  
UNLOADING

### EMR 6050 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
EMR 6050 COMPUTER

### EMULSIONS

GS MIXTURES  
DISPERSIONS  
EMULSIONS  
PHOTOGRAPHIC EMULSIONS  
NUCLEAR EMULSIONS  
RT BROWNIAN MOVEMENTS  
COLLOIDS  
SLURRIES  
SOLUTIONS

### ENAMELS

GS COATINGS  
ENAMELS  
FINISHES  
ENAMELS  
RT PORCELAIN

### ENARGITE

GS CHALCOGENIDES  
SULFIDES  
INORGANIC SULFIDES  
COPPER SULFIDES  
ENARGITE  
COPPER COMPOUNDS  
COPPER SULFIDES  
ENARGITE  
SULFUR COMPOUNDS  
SULFIDES  
INORGANIC SULFIDES  
COPPER SULFIDES  
ENARGITE

### ENCAPSULATED MICROCIRCUITS

GS CIRCUITS  
INTEGRATED CIRCUITS  
ENCAPSULATED MICROCIRCUITS  
RT MICROELECTRONICS

### ENCAPSULATING

GS COATING  
ENCAPSULATING  
COATINGS  
ENCAPSULATING  
RT CANNING  
ELECTRONIC PACKAGING  
ELECTROSTATIC BONDING  
EMBEDDING  
IMBEDDINGS  
MATERIALS HANDLING  
PACKAGING  
PLASTIC COATINGS  
POTTING COMPOUNDS  
PROTECTIVE COATINGS  
SEALING  
SHEATHS

### ENCELADUS

GS CELESTIAL BODIES  
NATURAL SATELLITES  
ICY SATELLITES  
ENCELADUS  
SATURN SATELLITES  
ENCELADUS  
RT SATURN (PLANET)

### ENCEPHALITIS

GS DISEASES  
ENCEPHALITIS  
RT BACTERIAL DISEASES  
BRAIN  
VIRAL DISEASES

### ENCKE COMET

GS CELESTIAL BODIES  
COMETS  
ENCKE COMET

### ENCKE METHOD

RT METHODOLOGY

### ENCLOSURE

RT CASING  
HOUSINGS

### ENCLOSURE-(CONT.)

PACKAGING

### ENCLOSURES

RT AIR LOCKS  
ASTEROID CAPTURE  
BARRIERS  
BIOPAKS  
CLOSURES  
COMPARTMENTS  
CONTAINERS  
COVERINGS  
DOGHOUSES (ELECTRONICS)  
ENVELOPES  
HOUSINGS  
PENS  
PERFORATED SHELLS  
PRESSURE CHAMBERS  
PROTECTORS  
ROOMS  
SAFETY DEVICES  
SHELLS (STRUCTURAL FORMS)  
SHIELDING  
SHIPYARDS  
WALLS

### ENCODERS

USE CODERS

### ENCODING

USE CODING

### ENCOUNTERS

RT CRASHES  
SCATTERING

### END EFFECTORS

UF MECHANICAL FINGERS  
MECHANICAL HANDS  
RT MANIPULATORS  
ROBOTICS  
ROBOTS

### END MORAINES

USE GLACIAL DRIFT

### END PLATES

GS STRUCTURAL MEMBERS  
PLATES (STRUCTURAL MEMBERS)  
END PLATES  
RT ANISOTROPIC PLATES  
BULKHEADS  
CIRCULAR PLATES  
CLOSURES  
FLAT PLATES  
SHALLOW SHELL EQUATIONS

### END-TO-END DATA SYSTEMS

GS END-TO-END DATA SYSTEMS  
NEEDS (DATA SYSTEM)  
RT DATA  
DATA ACQUISITION  
DATA PROCESSING  
DATA SYSTEMS  
SYSTEMS

### ENDANGERED SPECIES

RT ANIMALS  
BIRDS  
ECOLOGY  
ECOSYSTEMS  
HABITATS  
POLLUTION  
TOXICITY  
WILDLIFE

### ENDFIRE ARRAYS

GS ARRAYS  
ANTENNA ARRAYS  
LINEAR ARRAYS  
ENDFIRE ARRAYS  
YAGI ANTENNAS  
RT BACKFIRE ANTENNAS  
DIRECTIONAL ANTENNAS

### ENDOCRINE GLANDS

GS ANATOMY  
GLANDS (ANATOMY)  
ENDOCRINE GLANDS  
ADRENAL GLAND  
GONADS  
OVARIES  
TESTES  
HYPOTHALAMUS

### ENDOCRINE GLANDS-(CONT.)

PANCREAS  
PARATHYROID GLAND  
PINEAL GLAND  
PITUITARY GLAND  
THYMUS GLAND  
THYROID GLAND  
RT ENDOCRINOLOGY  
ESTROGENS

### ENDOCRINE SECRETIONS

GS SECRETIONS  
ENDOCRINE SECRETIONS  
HORMONES  
CORTICOSTEROIDS  
ALDOSTERONE  
HYDROXYCORTICOSTEROID  
CORTISONE  
ESTROGENS  
HYPERTENSIN  
PITUITARY HORMONES  
ADRENOCORTICOTROPIN (ACTH)  
PROSTAGLANDINS  
THYROXINE  
INSULIN

### ENDOCRINE SYSTEMS

RT ENDOCRINOLOGY  
GLANDS (ANATOMY)  
HORMONES  
MINERAL METABOLISM  
SYSTEMS

### ENDOCRINOLOGY

GS MEDICAL SCIENCE  
ENDOCRINOLOGY  
RT ENDOCRINE GLANDS  
ENDOCRINE SYSTEMS

### ENDOLYMPH

GS BODY FLUIDS  
ENDOLYMPH  
RT EAR

### ENDOPLASMIC RETICULUM

GS ORGANELLES  
ENDOPLASMIC RETICULUM  
SARCOPLASMIC RETICULUM  
RT CELLS (BIOLOGY)  
CYTOPLASM

### ENDORADIOSONDES

GS MEASURING INSTRUMENTS  
METEOROLOGICAL INSTRUMENTS  
RADIOSONDES  
ENDORADIOSONDES  
SONDES  
RADIOSONDES  
ENDORADIOSONDES  
RADIO EQUIPMENT  
RADIO TRANSMITTERS  
RADIOSONDES  
ENDORADIOSONDES  
TRANSMITTERS  
RADIO TRANSMITTERS  
RADIOSONDES  
ENDORADIOSONDES

### ENDOSCOPES

UF BORESCOPES  
GS MEDICAL EQUIPMENT  
ENDOSCOPES  
OPTICAL EQUIPMENT  
ENDOSCOPES  
RT INSPECTION

### ENDOTHELIUM

GS TISSUES (BIOLOGY)  
ENDOTHELIUM  
RT BLOOD VESSELS  
CELLS (BIOLOGY)

### ENDOTHERMIC FUELS

GS FUELS  
CHEMICAL FUELS  
ENDOTHERMIC FUELS  
RT CRYOGENIC ROCKET PROPELLANTS  
DOUBLE BASE PROPELLANTS  
GASEOUS ROCKET PROPELLANTS  
HYDROCARBON FUELS  
PROPELLANT DECOMPOSITION

### ENDOTHERMIC REACTIONS

GS CHEMICAL REACTIONS

**ENDOTHERMIC REACTIONS-(CONT.)**

RT . **ENDOTHERMIC REACTIONS**  
 . ASSOCIATION REACTIONS  
 . EXOTHERMIC REACTIONS  
 . HEAT SINKS  
 . PYROLYSIS  
 . THERMAL DECOMPOSITION

**ENDOTOXINS**

GS . POISONS  
 . **ENDOTOXINS**  
 . TOXINS AND ANTITOXINS  
 . **ENDOTOXINS**  
 RT . BACTERIOLOGY  
 . TOXICOLOGY

**ENDRIN**

GS . EPOXY COMPOUNDS  
 . **ENDRIN**  
 . ORGANIC COMPOUNDS  
 . CYCLIC COMPOUNDS  
 . . HETEROCYCLIC COMPOUNDS  
 . . **ENDRIN**  
 RT . INSECTICIDES

**ENDURANCE**

SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)  
 RT . DURABILITY  
 . FATIGUE (MATERIALS)

**ENEMY PERSONNEL**

GS . PERSONNEL  
 . **ENEMY PERSONNEL**  
 RT . ARMED FORCES (FOREIGN)

**ENERGETIC PARTICLE EXPLORER A**

USE EXPLORER 12 SATELLITE

**ENERGETIC PARTICLE EXPLORER B**

USE EXPLORER 14 SATELLITE

**ENERGETIC PARTICLE EXPLORER C**

USE EXPLORER 15 SATELLITE

**ENERGETIC PARTICLE EXPLORER D**

USE EXPLORER 26 SATELLITE

**ENERGETIC PARTICLES**

GS . PARTICLES  
 . CHARGED PARTICLES  
 . **ENERGETIC PARTICLES**  
 . . ELECTRONS  
 . . CONDUCTION ELECTRONS  
 . . HIGH ENERGY ELECTRONS  
 . . HOT ELECTRONS  
 . . N ELECTRONS  
 . . NEGATONS  
 . . PI-ELECTONS  
 . . NUCLEI (NUCLEAR PHYSICS)  
 . . EVEN-EVEN NUCLEI  
 . . HEAVY NUCLEI  
 . . HYPERNUCLEI  
 . . ODD-EVEN NUCLEI  
 . . ODD-ODD NUCLEI  
 . . PLASMAS (PHYSICS)  
 . . ARGON PLASMA  
 . . BETA PARTICLES  
 . . BOUNDARY LAYER PLASMAS  
 . . COLD PLASMAS  
 . . COLLISIONAL PLASMAS  
 . . STRONGLY COUPLED PLASMAS  
 . . COLLISIONLESS PLASMAS  
 . . COSMIC PLASMA  
 . . CYLINDRICAL PLASMAS  
 . . DENSE PLASMAS  
 . . PLASMA FOCUS  
 . . STRONGLY COUPLED PLASMAS  
 . . ELECTRON PLASMA  
 . . ELLIPTICAL PLASMAS  
 . . HELIUM PLASMA  
 . . HIGH TEMPERATURE PLASMAS  
 . . HYDROGEN PLASMA  
 . . DEUTERIUM PLASMA  
 . . LASER PLASMAS  
 . . METALLIC PLASMAS  
 . . CESIUM PLASMA  
 . . MICROPLASMAS  
 . . NITROGEN PLASMA  
 . . NONEQUILIBRIUM PLASMAS  
 . . NONUNIFORM PLASMAS  
 . . OXYGEN PLASMA  
 . . RAREFIED PLASMAS

**ENERGETIC PARTICLES-(CONT.)**

. . . RELATIVISTIC PLASMAS  
 . . . ROTATING PLASMAS  
 . . . SEMICONDUCTOR PLASMAS  
 . . . SPACE PLASMAS  
 . . . SOLAR WIND  
 . . . STELLAR WINDS  
 . . . SPHERICAL PLASMAS  
 . . . THERMAL PLASMAS  
 . . . TOROIDAL PLASMAS  
 . . . GALACTIC COSMIC RAYS  
 RT . RADIO JETS (ASTRONOMY)  
 . SOLAR COSMIC RAYS

**ENERGY**

SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)  
 RT . ACTIVATION ENERGY  
 . BERNSTEIN ENERGY PRINCIPLE  
 . CHEMICAL ENERGY  
 . COMMERCIAL ENERGY  
 . DOMESTIC ENERGY  
 . ELECTRON ENERGY  
 . ENERGY CONSERVATION  
 . ENERGY CONVERSION EFFICIENCY  
 . ENERGY OF FORMATION  
 . ENTHALPY  
 . ENTROPY  
 . FLUX (RATE)  
 . FLUX DENSITY  
 . FREE ENERGY  
 . HEAT  
 . HYDROGEN-BASED ENERGY  
 . INDUSTRIAL ENERGY  
 . INTERFACIAL ENERGY  
 . INTERNAL ENERGY  
 . KINETIC ENERGY  
 . MOLECULAR ENERGY LEVELS  
 . NUCLEAR BINDING ENERGY  
 . PARTICLE ENERGY  
 . POTENTIAL ENERGY  
 . PROTON ENERGY  
 . RADIANT HEATING  
 . SEISMIC ENERGY  
 . SOLAR ENERGY  
 . SOLAR TOTAL ENERGY SYSTEMS  
 . STACKING FAULT ENERGY  
 . STRAIN ENERGY METHODS  
 . SURFACE ENERGY  
 . THERMAL ENERGY  
 . THERMONUCLEAR POWER GENERATION  
 . TRANSPORTATION ENERGY  
 . WATERWAVE ENERGY  
 . WORK

**ENERGY ABSORPTION**

UF . NONREFLECTION  
 GS . **ENERGY ABSORPTION**  
 . . MODERATION (ENERGY ABSORPTION)  
 . . THERMALIZATION (ENERGY  
 . . . ABSORPTION)  
 . . . NEUTRON THERMALIZATION  
 . . RADIATION ABSORPTION  
 . . ELECTROMAGNETIC ABSORPTION  
 . . . AURORAL ABSORPTION  
 . . . GAMMA RAY ABSORPTION  
 . . . INFRARED ABSORPTION  
 . . . MULTIPHOTON ABSORPTION  
 . . . PHOTOABSORPTION  
 . . . POLAR CAP ABSORPTION  
 . . . ULTRAVIOLET ABSORPTION  
 . . . X RAY ABSORPTION  
 . . . MOLECULAR ABSORPTION  
 . . . SELF ABSORPTION  
 . . THERMAL ABSORPTION  
 . . . POLAR CAP ABSORPTION  
 RT . ABSORBERS (MATERIALS)  
 . **ABSORPTION**  
 . DAMPING  
 . GAMMA RAY ABSORPTIOMETRY  
 . HEAT SINKS  
 . INFRARED RADIATION  
 . LIGHT (VISIBLE RADIATION)  
 . PHOTON ABSORPTIOMETRY  
 . SHOCK ABSORBERS  
 . SOUND TRANSMISSION  
 . VIBRATION ISOLATORS

**ENERGY ABSORPTION FILMS**

GS . THIN FILMS  
 . **ENERGY ABSORPTION FILMS**  
 RT . **ABSORPTION**  
 . ALUMINUM OXIDES  
 . COATINGS

**ENERGY CONVERSION EFFICIENCY****ENERGY ABSORPTION FILMS-(CONT.)**

. DIRECT POWER GENERATORS  
 . GOLAY DETECTOR CELLS  
 . MONOMOLECULAR FILMS  
 . PHOTOELECTRIC CELLS  
 . PHOTOTHERMAL CONVERSION  
 . SELECTIVE SURFACES  
 . SEMICONDUCTING FILMS  
 . SOLAR ENERGY

**ENERGY BANDS**

GS . **ENERGY BANDS**  
 . . BLOCH BAND  
 . . CONDUCTION BANDS  
 . . FORBIDDEN BANDS  
 RT . **BANDS**  
 . EXCITONS  
 . LASER WINDOWS  
 . QUANTUM WELLS  
 . SPECTRAL BANDS  
 . WINDOWS (INTERVALS)

**ENERGY BUDGETS**

GS . **ENERGY BUDGETS**  
 . . EARTH RADIATION BUDGET  
 . . HEAT BUDGET  
 . . ATMOSPHERIC HEAT BUDGET  
 RT . **BUDGETS**

**ENERGY CONSERVATION**

GS . CONSERVATION  
 . **ENERGY CONSERVATION**  
 RT . **ENERGY**  
 . ENERGY POLICY  
 . POWER FACTOR CONTROLLERS  
 . RESIDENTIAL ENERGY  
 . RESOURCE ALLOCATION  
 . RESOURCES

**ENERGY CONSUMPTION**

GS . CONSUMPTION  
 . **ENERGY CONSUMPTION**  
 RT . COAL UTILIZATION  
 . COMMERCIAL ENERGY  
 . DOMESTIC ENERGY  
 . **ENERGY SOURCES**  
 . FUEL CONSUMPTION  
 . INDUSTRIAL ENERGY

**ENERGY CONVERSION**

GS . **ENERGY CONVERSION**  
 . . BIOMASS ENERGY PRODUCTION  
 . . GEOTHERMAL ENERGY CONVERSION  
 . . OCEAN THERMAL ENERGY  
 . . CONVERSION  
 . . SATELLITE SOLAR ENERGY  
 . . CONVERSION  
 . . SOLAR ENERGY CONVERSION  
 . . . PHOTOTHERMAL CONVERSION  
 . . . PHOTOVOLTAIC CONVERSION  
 . . . SOLAR TOTAL ENERGY SYSTEMS  
 . . WATERWAVE ENERGY CONVERSION  
 RT . COGENERATION  
 . COMMERCIAL ENERGY  
 . **CONVERSION**  
 . DIRECT POWER GENERATORS  
 . DOMESTIC ENERGY  
 . GEOTHERMAL ENERGY EXTRACTION  
 . HYDROGEN PRODUCTION  
 . HYDROTHERMAL SYSTEMS  
 . INDUSTRIAL ENERGY  
 . INTEGRATED ENERGY SYSTEMS  
 . LIGNITE  
 . ORGANIC WASTES (FUEL CONVERSION)  
 . POWER CONDITIONING  
 . SATELLITE SOLAR POWER STATIONS  
 . SOLAR PONDS (HEAT STORAGE)  
 . SOLAR SEA POWER PLANTS  
 . SPACE INDUSTRIALIZATION  
 . TRANSPORTATION ENERGY  
 . WASTE ENERGY UTILIZATION

**ENERGY CONVERSION EFFICIENCY**

GS . EFFICIENCY  
 . **ENERGY CONVERSION EFFICIENCY**  
 RT . CARRIER TRANSPORT (SOLID STATE)  
 . **CONVERSION**  
 . DIRECT POWER GENERATORS  
 . ENERGY ABSORPTION  
 . ENGINES  
 . FUEL CELLS  
 . GENERATORS  
 . MOTORS  
 . OPEN CIRCUIT VOLTAGE  
 . PHOTOTHERMAL CONVERSION

## ENERGY CONVERTERS

### ENERGY CONVERSION EFFICIENCY-(CONT.)

POWER CONDITIONING  
POWER FACTOR CONTROLLERS  
QUANTUM EFFICIENCY  
REDOX CELLS  
SPECTROPHOTOVOLTAICS  
TIDE POWERED GENERATORS  
TRANSDUCERS  
VOLUMETRIC EFFICIENCY  
WATERWAVE ENERGY CONVERSION

### ENERGY CONVERTERS

USE DIRECT POWER GENERATORS

### ENERGY DENSITY

USE FLUX DENSITY

### ENERGY DISSIPATION

UF ENERGY LOSSES  
GS DISSIPATION  
RT **ENERGY DISSIPATION**  
FRICTION  
INSERTION LOSS  
LAGRANGE SIMILARITY HYPOTHESIS  
LOSSES  
NONADIABATIC THEORY  
∞ POWER LOSS  
TRAVELING CHARGE

### ENERGY DISTRIBUTION

GS DISTRIBUTION (PROPERTY)  
ENERGY DISTRIBUTION  
SPECTRAL ENERGY DISTRIBUTION  
RT EQUIPARTITION THEOREM  
FLUX DENSITY  
FORCE DISTRIBUTION  
INTEGRATED ENERGY SYSTEMS  
QUANTUM MECHANICS  
STATISTICAL MECHANICS

### ENERGY EFFICIENCY TRANSPORT PROGRAM

USE ACEE PROGRAM

### ENERGY EQUIPARTITION

USE EQUIPARTITION THEOREM

### ENERGY EXCHANGE

USE ENERGY TRANSFER

### ENERGY GAPS (SOLID STATE)

UF BANDGAP  
GS GAPS  
RT **ENERGY GAPS (SOLID STATE)**  
BAND STRUCTURE OF SOLIDS  
MODFETS  
MODULATION DOPING  
QUANTUM WELLS  
SOLID STATE  
∞ SOLID STATE PHYSICS

### ENERGY LEVELS

UF ELECTRONIC LEVELS  
GS LEVEL (QUANTITY)  
ENERGY LEVELS  
ATOMIC ENERGY LEVELS  
ELECTRON STATES  
GROUND STATE  
MOLECULAR ENERGY LEVELS  
INTERMOLECULAR FORCES  
RT ATOMIC EXCITATIONS  
ATOMIC STRUCTURE  
ELECTRON TUNNELING  
EXCITATION  
FERMI SURFACES  
MOLECULAR EXCITATION  
NUCLEAR CAPTURE  
NUCLEAR MODELS  
NUCLEAR QUADRUPOLE RESONANCE  
NUCLEAR SPIN  
NUCLEAR STRUCTURE  
POPULATION INVERSION  
QUANTUM NUMBERS  
QUANTUM THEORY

### ENERGY LOSSES

USE ENERGY DISSIPATION

### ENERGY METHODS

GS STRUCTURAL ANALYSIS  
ENERGY METHODS  
BERNSTEIN ENERGY PRINCIPLE  
STRAIN ENERGY METHODS  
RT CASTIGLIANO VARIATIONAL THEOREM  
MATRICES (MATHEMATICS)

### ENERGY METHODS-(CONT.)

∞ METHODOLOGY  
STRESS ANALYSIS

### ENERGY OF FORMATION

GS CHEMICAL ENERGY  
ENERGY OF FORMATION  
RT ∞ ENERGY  
FREE ENERGY  
MOLECULAR ENERGY LEVELS

### ENERGY POLICY

GS POLICIES  
ENERGY POLICY  
RT ABUNDANCE  
AVAILABILITY  
COAL  
COAL GASIFICATION  
COAL LIQUEFACTION  
COAL UTILIZATION  
CONSERVATION  
CRUDE OIL  
DEPLETION  
∞ DEVELOPMENT  
EARTH RESOURCES  
ECOLOGY  
ECONOMIC FACTORS  
ENERGY CONSERVATION  
FUEL OILS  
FUELS  
HYDROCARBON FUELS  
LAND USE  
LIGNITE  
LOGISTICS  
MINING  
∞ NUCLEAR ENERGY  
NUCLEAR FUELS  
OIL EXPLORATION  
OILS  
OPERATING COSTS  
POLLUTION  
REFINING  
RESERVES  
RESOURCE ALLOCATION  
RESOURCES  
SAFETY

### ENERGY REQUIREMENTS

RT ∞ ENERGY SOURCES  
FUEL CONSUMPTION  
∞ POWER SUPPLIES

### ∞ ENERGY SOURCES

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT ATMOSPHERIC ENERGY SOURCES  
AUXILIARY POWER SOURCES  
BIOMASS ENERGY PRODUCTION  
ELECTRIC BATTERIES  
ELECTRIC GENERATORS  
ELECTRON SOURCES  
ENERGY CONSUMPTION  
ENERGY REQUIREMENTS  
ENERGY TECHNOLOGY  
GEOTHERMAL RESOURCES  
HEAT SOURCES  
LITHIUM SULFUR BATTERIES  
OCEAN THERMAL ENERGY CONVERSION  
PLASMA POWER SOURCES  
POINT SOURCES  
PROPELLANTS  
RECTIFIERS  
SPACECRAFT POWER SUPPLIES  
TIDEPower  
WATERWAVE ENERGY CONVERSION

### ENERGY SPECTRA

GS SPECTRA  
ENERGY SPECTRA  
ELECTRONIC SPECTRA  
NEUTRON SPECTRA  
RT ABSORPTION SPECTRA  
ELECTROMAGNETIC SPECTRA  
GAMMA RAY ASTRONOMY  
GRIST (TELESCOPE)  
MASS SPECTRA  
MOLECULAR SPECTRA  
PLASMA SPECTRA  
POWER SPECTRA  
RADIATION SPECTRA  
SHOCK SPECTRA  
SPECTRAL ENERGY DISTRIBUTION  
SPECTROPHOTOVOLTAICS  
VIBRATIONAL SPECTRA

### ENERGY STORAGE

UF ENERGY STORAGE DEVICES  
GS **ENERGY STORAGE**  
ELECTRIC ENERGY STORAGE  
HEAT STORAGE  
MAGNETIC ENERGY STORAGE  
RT CAPACITORS  
COMPRESSED AIR  
ELECTRETS  
ELECTRIC BATTERIES  
FLYWHEELS  
FUEL CELLS  
FUELS  
GEOTHERMAL ENERGY UTILIZATION  
HEAT SOURCES  
INDUCTORS  
LEAD ACID BATTERIES  
NICKEL HYDROGEN BATTERIES  
∞ NUCLEAR ENERGY  
POTENTIAL ENERGY  
REDOX CELLS  
REGENERATORS  
ROADWAY POWERED VEHICLES  
SPACE STATION POWER SUPPLIES  
SPRINGS (ELASTIC)  
∞ STORAGE  
SUPERCONDUCTORS

### ENERGY STORAGE DEVICES

USE ENERGY STORAGE

### ENERGY TECHNOLOGY

GS TECHNOLOGIES  
ENERGY TECHNOLOGY  
RT GEOTHERMAL TECHNOLOGY  
ATMOSPHERIC ENERGY SOURCES  
BIOMASS ENERGY PRODUCTION  
COAL UTILIZATION  
COMBINED CYCLE POWER GENERATION  
EARTH RESOURCES  
ELECTROSTATIC BONDING  
∞ ENERGY SOURCES  
FUEL CELL POWER PLANTS  
GAS RECOVERY  
GEOTHERMAL ENERGY EXTRACTION  
HYDROCARBON FUEL PRODUCTION  
HYDROGEN-BASED ENERGY  
LIGNITE  
MAGNETIC ENERGY STORAGE  
OFFSHORE ENERGY SOURCES  
OIL RECOVERY  
PHOSPHORIC ACID FUEL CELLS  
PHOTOELECTROCHEMICAL DEVICES  
PHOTOTHERMAL CONVERSION  
QUANTUM EFFICIENCY  
RESIDENTIAL ENERGY  
SOLAR COOLING  
SOLAR ENERGY CONVERSION  
SOLAR HOUSES  
SPACE COOLING (BUILDINGS)  
TROMBE WALLS  
WASTE HEAT

### ENERGY TRANSFER

UF ENERGY EXCHANGE  
GS **ENERGY TRANSFER**  
LINEAR ENERGY TRANSFER (LET)  
RT ANTENNA COUPLERS  
COUPLING CIRCUITS  
CYCLOTRON RESONANCE  
ELECTRON PUMPING  
GAS TRANSPORT  
GAS-LIQUID INTERACTIONS  
HEAT TRANSFER  
HEISENBERG THEORY  
LAGRANGE SIMILARITY HYPOTHESIS  
MASS TRANSFER  
MOMENTUM TRANSFER  
NONADIABATIC CONDITIONS  
NONISOTHERMAL PROCESSES  
NUCLEAR PUMPING  
PLASMA HEATING  
POYNTING THEOREM  
RADIATIVE TRANSFER  
TERMINAL BALLISTICS  
TRANSFERRING

### ENGINE AIRFRAME INTEGRATION

RT AERODYNAMIC CHARACTERISTICS  
AERODYNAMIC CONFIGURATIONS  
AIRCRAFT DESIGN  
AIRCRAFT ENGINES  
AIRFRAMES

# ENGINES

## ENGINE ANALYZERS

- GS MEASURING INSTRUMENTS
- ANALYZERS
- ENGINE ANALYZERS

## ENGINE CONTROL

- GS ENGINE CONTROL
- ROCKET ENGINE CONTROL
- TURBOJET ENGINE CONTROL
- RT AIR START
- AIRCRAFT CONTROL
- AUTOMATIC CONTROL
- COMBUSTION CONTROL
- CONTROL
- ELECTRIC CONTROL
- FLIGHT INSTRUMENTS
- FUEL CONTROL
- HYDRAULIC CONTROL
- MANUAL CONTROL
- PNEUMATIC CONTROL
- REMOTE CONTROL
- SPACECRAFT CONTROL
- SPEED CONTROL
- TEMPERATURE CONTROL
- THRUST CONTROL
- VARIABLE STREAM CONTROL ENGINES

## ENGINE COOLANTS

- GS COOLANTS
- ENGINE COOLANTS
- RT COOLING
- COOLING SYSTEMS

## ENGINE DESIGN

- GS ENGINE DESIGN
- ROCKET ENGINE DESIGN
- RT AIRCRAFT DESIGN
- COMPUTER AIDED DESIGN
- DESIGN
- HELICOPTER DESIGN
- MISSILE DESIGN
- NOZZLE DESIGN
- PRODUCT DEVELOPMENT
- REACTOR DESIGN
- SPACECRAFT DESIGN
- STIRLING ENGINES
- VOLUMETRIC EFFICIENCY

## ENGINE FAILURE

- GS FAILURE
- ENGINE FAILURE
- RT ABORTED MISSIONS
- CUT-OFF
- INGESTION (ENGINES)
- STALLING

## ENGINE INLETS

- GS INTAKE SYSTEMS
- AIR INTAKES
- ENGINE INLETS
- RT BYPASS RATIO
- DIFFUSERS
- HYPERSONIC INLETS
- INLET AIRFRAME CONFIGURATIONS
- INLET NOZZLES
- INLET TEMPERATURE
- INTERNAL COMPRESSION INLETS
- NACELLES

## ENGINE MONITORING INSTRUMENTS

- GS MEASURING INSTRUMENTS
- ENGINE MONITORING INSTRUMENTS
- RT FLIGHT INSTRUMENTS

## ENGINE NOISE

- GS ELASTIC WAVES
- SOUND WAVES
- NOISE (SOUND)
- ENGINE NOISE
- ROCKET ENGINE NOISE
- RT AIRCRAFT NOISE
- AIRCRAFT RUNUP
- JET AIRCRAFT NOISE
- QUIET ENGINE PROGRAM

## ENGINE PARTS

- RT CARBURETORS
- CLUTCHES
- COMBUSTION CHAMBERS
- COMPONENTS
- DUMP COMBUSTORS
- FLYWHEELS
- INTERNAL COMBUSTION ENGINES
- PISTONS
- RETIREMENT FOR CAUSE

## ENGINE PARTS-(CONT.)

- ROCKET LININGS
- SPARE PARTS
- TURBINE BLADES
- TURBINE WHEELS
- VALVES

## ENGINE PRIMERS

- RT INTERNAL COMBUSTION ENGINES
- PRIMERS
- STARTING

## ENGINE STARTERS

- GS STARTERS
- ENGINE STARTERS
- RT ENGINES
- INTERNAL COMBUSTION ENGINES
- JET ENGINES

## ENGINE TESTING LABORATORIES

- GS LABORATORIES
- ENGINE TESTING LABORATORIES
- TEST FACILITIES
- ENGINE TESTING LABORATORIES
- RT ENGINES

## ENGINE TESTS

- GS ENGINE TESTS
- COLD FLOW TESTS
- PREFIRING TESTS
- SPACE ELECTRIC ROCKET TESTS
- STATIC FIRING
- RT AIRCRAFT RUNUP
- ALTITUDE TESTS
- CAPTIVE TESTS
- FLIGHT TESTS
- FUEL TESTS
- FULL SCALE TESTS
- GROUND TESTS
- LUBRICANT TESTS
- MISSILE TESTS
- NONDESTRUCTIVE TESTS
- PRELAUNCH TESTS
- PROPELLANT TESTS
- PROPULSIVE EFFICIENCY
- ROCKET ENGINE DESIGN
- ROCKET TEST FACILITIES
- SERT 1 SPACECRAFT
- SERT 2 SPACECRAFT
- STATIC TESTS
- STIRLING ENGINES
- TEST FIRING
- TEST STANDS
- TESTING TIME
- TESTS
- VIBRATION TESTS

## ENGINEERING

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
- RT AERONAUTICAL ENGINEERING
- AEROSPACE ENGINEERING
- AIRCRAFT PRODUCTION COSTS
- ANTHROPOMETRY
- BIOENGINEERING
- BIOINSTRUMENTATION
- BIOMETRICS
- BIOTELEMETRY
- BODY MEASUREMENT (BIOLOGY)
- CHEMICAL ENGINEERING
- ELECTRICAL ENGINEERING
- ENVIRONMENTAL ENGINEERING
- MAN MACHINE SYSTEMS
- MECHANICAL ENGINEERING
- PRODUCTION ENGINEERING
- REACTOR TECHNOLOGY
- RELIABILITY ENGINEERING
- STRUCTURAL ENGINEERING
- SYSTEMS ENGINEERING
- UNDERWATER ENGINEERING
- VALUE ENGINEERING

## ENGINEERING DEVELOPMENT

- USE PRODUCT DEVELOPMENT

## ENGINEERING DRAWINGS

- UF MECHANICAL DRAWINGS
- GS DOCUMENTS
- ENGINEERING DRAWINGS
- BLUEPRINTS
- DRAWINGS
- ENGINEERING DRAWINGS
- BLUEPRINTS
- RT CIRCUIT DIAGRAMS

## ENGINEERING DRAWINGS-(CONT.)

- DESCRIPTIVE GEOMETRY
- DESIGN
- DIMENSIONS
- GRAPHIC ARTS
- LAYOUTS
- LOFTING
- REPRODUCTION (COPYING)

## ENGINEERING MANAGEMENT

- GS MANAGEMENT
- INDUSTRIAL MANAGEMENT
- ENGINEERING MANAGEMENT
- RT ALLOCATIONS
- BUDGETS
- GOALS
- MANPOWER
- PRIORITIES
- RESEARCH MANAGEMENT
- RESOURCE ALLOCATION
- RESOURCES

## ENGINEERING TEST REACTORS

- UF ETR (REACTORS)
- GS NUCLEAR REACTORS
- ENGINEERING TEST REACTORS
- RT REACTOR DESIGN
- REACTOR TECHNOLOGY

## ENGINES

- SN (LIMITED TO MACHINES WITH SELF-CONTAINED POWER SOURCES FOR CONTINUOUS OPERATION-SEE MOTORS FOR MACHINES UTILIZING EXTERNAL POWER SOURCES FOR NORMAL OPERATION)
- UF GAS GENERATOR ENGINES
- GS ENGINES
- AIR BREATHING ENGINES
- GAS TURBINE ENGINES
- JET ENGINES
- RAMJET ENGINES
- INTEGRAL ROCKET RAMJETS
- LOW VOLUME RAMJET ENGINES
- PULSEJET ENGINES
- SUPERSONIC COMBUSTION
- RAMJET ENGINES
- TURBORAMJET ENGINES
- TURBOJET ENGINES
- BRISTOL-SIDDELEY OLYMPUS 593 ENGINE
- BRISTOL-SIDDELEY VIPER ENGINE
- DUCTED FAN ENGINES
- J-33 ENGINE
- J-34 ENGINE
- J-47 ENGINE
- J-57 ENGINE
- J-57-P-20 ENGINE
- J-65 ENGINE
- J-69-T-25 ENGINE
- J-71 ENGINE
- J-73 ENGINE
- J-75 ENGINE
- J-79 ENGINE
- J-85 ENGINE
- J-93 ENGINE
- RA-28 ENGINE
- TURBOFAN ENGINES
- BRISTOL-SIDDELEY BS 53 ENGINE
- CF-700 ENGINE
- J-97 ENGINE
- TF-41 ENGINE
- TURBOPROP ENGINES
- T-53 ENGINE
- T-56 ENGINE
- T-64 ENGINE
- T-74 ENGINE
- TURBORAMJET ENGINES
- T-58-GE-8B ENGINE
- EXTERNAL COMBUSTION ENGINES
- STIRLING ENGINES
- INTERNAL COMBUSTION ENGINES
- DIESEL ENGINES
- GAS TURBINE ENGINES
- HYDROGEN ENGINES
- JET ENGINES
- RAMJET ENGINES
- INTEGRAL ROCKET RAMJETS
- LOW VOLUME RAMJET ENGINES
- PULSEJET ENGINES
- SUPERSONIC COMBUSTION
- RAMJET ENGINES
- TURBORAMJET ENGINES



## ENGLAND

### ENGINES-(CONT.)

. . . . . T-63 ENGINE  
 . . . . . T-76 ENGINE  
 . . . . . TURBOJET ENGINES  
 . . . . . BRISTOL-SIDDELEY OLYMPUS  
 . . . . . 593 ENGINE  
 . . . . . BRISTOL-SIDDELEY VIPER  
 . . . . . ENGINE  
 . . . . . DUCTED FAN ENGINES  
 . . . . . J-33 ENGINE  
 . . . . . J-34 ENGINE  
 . . . . . J-47 ENGINE  
 . . . . . J-52 ENGINE  
 . . . . . J-57 ENGINE  
 . . . . . J-57-P-20 ENGINE  
 . . . . . J-65 ENGINE  
 . . . . . J-69-T-25 ENGINE  
 . . . . . J-71 ENGINE  
 . . . . . J-73 ENGINE  
 . . . . . J-75 ENGINE  
 . . . . . J-79 ENGINE  
 . . . . . J-85 ENGINE  
 . . . . . J-93 ENGINE  
 . . . . . RA-28 ENGINE  
 . . . . . TURBOFAN ENGINES  
 . . . . . BRISTOL-SIDDELEY BS 53  
 . . . . . ENGINE  
 . . . . . CF-700 ENGINE  
 . . . . . J-97 ENGINE  
 . . . . . TF-30 ENGINE  
 . . . . . TF-41 ENGINE  
 . . . . . TURBOPROP ENGINES  
 . . . . . T-34 ENGINE  
 . . . . . T-38 ENGINE  
 . . . . . T-53 ENGINE  
 . . . . . T-56 ENGINE  
 . . . . . T-64 ENGINE  
 . . . . . T-74 ENGINE  
 . . . . . T-78 ENGINE  
 . . . . . TURBORAMJET ENGINES  
 . . . . . T-58 ENGINE  
 . . . . . T-58-GE-8B ENGINE  
 . . . . . HELICOPTER ENGINES  
 . . . . . ROTARY ENGINES  
 . . . . . WANKEL ENGINES  
 . . . . . JATO ENGINES  
 . . . . . MARQUARDT R4D ENGINE  
 . . . . . PISTON ENGINES  
 . . . . . DIESEL ENGINES  
 . . . . . FREE-PISTON ENGINES  
 . . . . . STIRLING ENGINES  
 . . . . . PULSED JET ENGINES  
 . . . . . ROCKET ENGINES  
 . . . . . BOOSTER ROCKET ENGINES  
 . . . . . AJ-10 ENGINE  
 . . . . . ALGOL ENGINE  
 . . . . . APOGEE BOOST MOTORS  
 . . . . . H-1 ENGINE  
 . . . . . LR-87-AJ-5 ENGINE  
 . . . . . M-1 ENGINE  
 . . . . . M-55 ENGINE  
 . . . . . MA-2 ENGINE  
 . . . . . MA-3 ENGINE  
 . . . . . MA-5 ENGINE  
 . . . . . NIKE BOOSTER ROCKET ENGINES  
 . . . . . P-1 ENGINE  
 . . . . . ROCKET ENGINE 9KS-11000  
 . . . . . SPACE SHUTTLE BOOSTERS  
 . . . . . X-405 ENGINE  
 . . . . . DUCTED ROCKET ENGINES  
 . . . . . ELECTRIC ROCKET ENGINES  
 . . . . . ELECTROSTATIC ENGINES  
 . . . . . ELECTROTHERMAL ENGINES  
 . . . . . ARC JET ENGINES  
 . . . . . RESISTOJET ENGINES  
 . . . . . ION ENGINES  
 . . . . . CESIUM ENGINES  
 . . . . . MERCURY ION ENGINES  
 . . . . . RIT ENGINES  
 . . . . . HEUS ROCKET ENGINES  
 . . . . . HOT WATER ROCKET ENGINES  
 . . . . . HYBRID PROPELLANT ROCKET  
 . . . . . ENGINES  
 . . . . . LUTHERGOL ROCKET ENGINES  
 . . . . . LIQUID PROPELLANT ROCKET  
 . . . . . ENGINES  
 . . . . . AJ-10 ENGINE  
 . . . . . F-1 ROCKET ENGINE  
 . . . . . H-1 ENGINE  
 . . . . . HYDRAZINE ENGINES  
 . . . . . HYDROGEN OXYGEN ENGINES  
 . . . . . J-2 ENGINE  
 . . . . . M-1 ENGINE  
 . . . . . RL-10-A-1 ENGINE  
 . . . . . RL-10-A-3 ENGINE  
 . . . . . LIQUID AIR CYCLE ENGINES

### ENGINES-(CONT.)

. . . . . LR-62-RM-2 ENGINE  
 . . . . . LR-87-AJ-5 ENGINE  
 . . . . . LR-91-AJ-5 ENGINE  
 . . . . . LR-99 ENGINE  
 . . . . . MA-2 ENGINE  
 . . . . . MA-3 ENGINE  
 . . . . . MA-5 ENGINE  
 . . . . . RL-10 ENGINES  
 . . . . . RL-10-A-1 ENGINE  
 . . . . . RL-10-A-3 ENGINE  
 . . . . . SPACE SHUTTLE MAIN ENGINE  
 . . . . . X-405 ENGINE  
 . . . . . XLR-99 ENGINE  
 . . . . . YLR-91-AJ-1 ENGINE  
 . . . . . M-100 ENGINE  
 . . . . . MICROROCKET ENGINES  
 . . . . . ORBIT MANEUVERING ENGINE  
 . . . . . (SPACE SHUTTLE)  
 . . . . . NOZZLELESS ROCKET ENGINES  
 . . . . . NUCLEAR ENGINE FOR ROCKET  
 . . . . . VEHICLES  
 . . . . . NUCLEAR RAMJET ENGINES  
 . . . . . NUCLEAR ROCKET ENGINES  
 . . . . . NUCLEAR LIGHTBULB ENGINES  
 . . . . . RESTARTABLE ROCKET ENGINES  
 . . . . . RETROCKET ENGINES  
 . . . . . BE-3 ENGINE  
 . . . . . REUSABLE ROCKET ENGINES  
 . . . . . SOLID PROPELLANT ROCKET  
 . . . . . ENGINES  
 . . . . . ALGOL ENGINE  
 . . . . . APOGEE BOOST MOTORS  
 . . . . . ASROC ENGINE  
 . . . . . HERCULES ENGINE  
 . . . . . M-46 ENGINE  
 . . . . . M-55 ENGINE  
 . . . . . M-56 ENGINE  
 . . . . . M-57 ENGINE  
 . . . . . NIKE BOOSTER ROCKET ENGINES  
 . . . . . P-1 ENGINE  
 . . . . . SL-3 ROCKET ENGINE  
 . . . . . SPACE SHUTTLE BOOSTERS  
 . . . . . SYNCOM APOGEE ENGINES  
 . . . . . TU-121 ENGINE  
 . . . . . TX-77 ENGINE  
 . . . . . TX-354 ENGINE  
 . . . . . X-248 ENGINE  
 . . . . . X-254 ENGINE  
 . . . . . X-258 ENGINES  
 . . . . . X-258-B1 ENGINE  
 . . . . . X-259 ENGINE  
 . . . . . XM-33 ENGINE  
 . . . . . SUSTAINER ROCKET ENGINES  
 . . . . . TURBOROCKET ENGINES  
 . . . . . ULLAGE ROCKET ENGINES  
 . . . . . UPPER STAGE ROCKET ENGINES  
 . . . . . VERNIER ENGINES  
 . . . . . SYNCOM APOGEE ENGINES  
 . . . . . TORPEDO ENGINES  
 . . . . . TURBOROCKET ENGINES  
 . . . . . ULLAGE ROCKET ENGINES  
 . . . . . VERNIER ENGINES  
 . . . . . CONTROL ROCKETS  
 . . . . . SYNCOM APOGEE ENGINES  
 . . . . . TURBINE ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . RAMJET ENGINES  
 . . . . . LOW VOLUME RAMJET ENGINES  
 . . . . . PULSEJET ENGINES  
 . . . . . SUPERSONIC COMBUSTION  
 . . . . . RAMJET ENGINES  
 . . . . . TURBORAMJET ENGINES  
 . . . . . T-63 ENGINE  
 . . . . . T-76 ENGINE  
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 . . . . . BRISTOL-SIDDELEY OLYMPUS  
 . . . . . 593 ENGINE  
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 . . . . . J-69-T-25 ENGINE  
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 . . . . . J-75 ENGINE  
 . . . . . J-79 ENGINE  
 . . . . . J-85 ENGINE  
 . . . . . J-93 ENGINE

### ENGINES-(CONT.)

. . . . . RA-28 ENGINE  
 . . . . . TURBOFAN ENGINES  
 . . . . . BRISTOL-SIDDELEY BS 53  
 . . . . . ENGINE  
 . . . . . CF-700 ENGINE  
 . . . . . J-97 ENGINE  
 . . . . . TF-30 ENGINE  
 . . . . . TF-41 ENGINE  
 . . . . . TURBOPROP ENGINES  
 . . . . . T-34 ENGINE  
 . . . . . T-38 ENGINE  
 . . . . . T-53 ENGINE  
 . . . . . T-56 ENGINE  
 . . . . . T-64 ENGINE  
 . . . . . T-74 ENGINE  
 . . . . . T-78 ENGINE  
 . . . . . TURBORAMJET ENGINES  
 . . . . . T-58 ENGINE  
 . . . . . T-58-GE-8B ENGINE  
 . . . . . VARIABLE CYCLE ENGINES  
 . . . . . VARIABLE STREAM CONTROL ENGINES  
 . . . . . AUXILIARY PROPULSION  
 . . . . . CARBURETORS  
 . . . . . COMBUSTION CHAMBERS  
 . . . . . DISPLACEMENT  
 . . . . . ENERGY CONVERSION EFFICIENCY  
 . . . . . ENGINE STARTERS  
 . . . . . ENGINE TESTING LABORATORIES  
 . . . . . EXHAUST SYSTEMS  
 . . . . . EXPENDABLE STAGES (SPACECRAFT)  
 . . . . . FUEL CONSUMPTION  
 . . . . . FUEL SYSTEMS  
 . . . . . GEOTHERMAL ENERGY CONVERSION  
 . . . . . HEAT SOURCES  
 . . . . . IGNITION SYSTEMS  
 . . . . . LUBRICATION  
 . . . . . MACHINERY  
 . . . . . MISSILE COMPONENTS  
 . . . . . MOTORS  
 . . . . . POWER PLANTS  
 . . . . . PROPULSION  
 . . . . . REACTION PRODUCTS  
 . . . . . SHUTDOWNS  
 . . . . . SPEED REGULATORS  
 . . . . . SUPERSONIC COMBUSTION  
 . . . . . THERMODYNAMIC EFFICIENCY  
 . . . . . THERMODYNAMICS  
 . . . . . TRANSPORTATION ENERGY  
 . . . . . TURBINES  
 . . . . . VEHICLES

### ENGLAND

GS NATIONS  
 . . . . . UNITED KINGDOM  
 . . . . . ENGLAND

### ENGLISH CHANNEL

RT ATLANTIC OCEAN  
 . . . . . FRANCE  
 . . . . . NORTH SEA  
 . . . . . UNITED KINGDOM

### ENGLISH ELECTRIC CANBERRA AIRCRAFT

USE CANBERRA AIRCRAFT

### ENGLISH LANGUAGE

GS LANGUAGES  
 . . . . . ENGLISH LANGUAGE  
 RT SPEECH  
 . . . . . WORDS (LANGUAGE)

### ENGRAVING

RT ETCHING  
 . . . . . PRINTING

### ENHANCEMENT

USE AUGMENTATION

### ENLARGING

USE EXPANSION

### ENRICHMENT

GS ENRICHMENT  
 . . . . . ISOTOPIC ENRICHMENT  
 . . . . . JET MEMBRANE PROCESS  
 RT BENEFICIATION  
 . . . . . CONCENTRATING  
 . . . . . PURIFICATION  
 . . . . . REFINING  
 . . . . . UPGRADING

### ENRICO FERMI ATOMIC POWER PLANT

GS ELECTRIC POWER PLANTS

## ENVIRONMENT SIMULATION

### ENRICO FERMI ATOMIC POWER-(CONT.)

- . NUCLEAR POWER PLANTS
- . ENRICO FERMI ATOMIC POWER PLANT
- NUCLEAR ELECTRIC POWER GENERATION
- . NUCLEAR POWER PLANTS
- . ENRICO FERMI ATOMIC POWER PLANT
- RT BREEDER REACTORS
- FAST NUCLEAR REACTORS
- LIQUID METAL COOLED REACTORS
- ∞ POWER PLANTS

### ENSKOG-CHAPMAN THEORY

- USE CHAPMAN-ENSKOG THEORY

### ENSTATITE

- GS CHALCOGENIDES
- . OXIDES
- . PYROXENES
- . ENSTATITE
- MAGNESIUM COMPOUNDS
- . ENSTATITE
- MINERALS
- . PYROXENES
- . ENSTATITE
- SILICON COMPOUNDS
- . SILICATES
- . PYROXENES
- . ENSTATITE
- RT CHONDRULE
- IGNEOUS ROCKS
- REGOLITH
- ROCKS
- SOILS

### ENSTROPHY

- USE VORTICITY

### ENTERPRISE (ORBITER)

- UF SPACE SHUTTLE ORBITER 101
- GS MANNED SPACECRAFT
- . SPACE SHUTTLE ORBITERS
- . ENTERPRISE (ORBITER)
- REENTRY VEHICLES
- . RECOVERABLE SPACECRAFT
- . REUSABLE SPACECRAFT
- . SPACE SHUTTLE ORBITERS
- . ENTERPRISE (ORBITER)
- RT MANNED SPACE FLIGHT
- ∞ SPACECRAFT

### ENTHALPY

- UF HEAT CONTENT
- GS HEAT
- . ENTHALPY
- . GIBBS FREE ENERGY
- . HEAT OF DISSOCIATION
- . HEAT OF FORMATION
- . HEAT OF SOLUTION
- . LATENT HEAT
- . HEAT OF FUSION
- . HEAT OF VAPORIZATION
- THERMODYNAMIC PROPERTIES
- . ENTHALPY
- . GIBBS FREE ENERGY
- . HEAT OF DISSOCIATION
- . HEAT OF FORMATION
- . HEAT OF SOLUTION
- . LATENT HEAT
- . HEAT OF FUSION
- . HEAT OF VAPORIZATION
- RT ADIABATIC CONDITIONS
- DRYING
- ∞ ENERGY
- ENTROPY
- FREE ENERGY
- GIBBS-HELMHOLTZ EQUATIONS
- HEAT MEASUREMENT
- JOULE-THOMSON EFFECT
- MOLLIER DIAGRAM
- SPECIFIC HEAT
- THERMOCHEMISTRY
- THERMODYNAMICS

### ENTHALPY-ENTROPY DIAGRAMS

- USE MOLLIER DIAGRAM

### ENTIRE FUNCTIONS

- UF INTEGRAL FUNCTIONS
- GS ANALYSIS (MATHEMATICS)
- . COMPLEX VARIABLES
- . ANALYTIC FUNCTIONS
- . ENTIRE FUNCTIONS

### ENTIRE FUNCTIONS-(CONT.)

- FUNCTIONS (MATHEMATICS)
- . ANALYTIC FUNCTIONS
- . ENTIRE FUNCTIONS

### ENTOMOLOGY

- RT INSECTICIDES
- INSECTS
- ∞ SCIENCE
- ∞ ZOOLOGY

### ENTRAINMENT

- RT AERATION
- AEROSOLS
- BLOWING
- COANDA EFFECT
- DISPERSING
- SPRAYING
- SUSPENDING (MIXING)

### ENTRANCES

- RT CURTAINS
- DOORS
- INTAKE SYSTEMS
- ∞ THRESHOLDS
- TRANSFER TUNNELS

### ENTRAPMENT

- RT ACCUMULATORS
- CONFUSION
- ESCAPE (ABANDONMENT)
- RADIATION BELTS
- TANGLING
- TRAPS

### ENTROPY

- GS THERMODYNAMIC PROPERTIES
- . ENTROPY
- RT CROCCO METHOD
- ∞ ENERGY
- ENTHALPY
- HEAT
- MAXIMUM ENTROPY METHOD
- MOLLIER DIAGRAM
- NONISENTROPICITY
- SHANNON-WIENER MEASURE
- TEPHIGRAMS
- THERMOCHEMISTRY
- THERMODYNAMICS

### ENTROPY (STATISTICS)

- GS ENTROPY (STATISTICS)
- . MAXIMUM ENTROPY METHOD
- . MINIMUM ENTROPY METHOD
- RT ∞ STATISTICS

### ∞ ENTRY

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT ATMOSPHERIC ENTRY
- REENTRY

### ENTRY GUIDANCE (STS)

- GS GUIDANCE (MOTION)
- . ENTRY GUIDANCE (STS)
- RT ATMOSPHERIC ENTRY
- FLIGHT CONTROL
- HYPERSONIC REENTRY
- POINTING CONTROL SYSTEMS
- SPACE SHUTTLES
- SPACE TRANSPORTATION SYSTEM
- FLIGHTS
- SPACECRAFT REENTRY
- TERMINAL GUIDANCE

### ENUMERATION

- RT COUNTING
- LISTS
- NUMBER THEORY

### ∞ ENVELOPES

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT COVERINGS
- ENCLOSURES
- FLIGHT ENVELOPES
- LIMITS (MATHEMATICS)
- STELLAR ENVELOPES

### ENVIRONMENT EFFECTS

- SN (EFFECTS ON ENVIRONMENT)
- RT AIR POLLUTION

### ENVIRONMENT EFFECTS-(CONT.)

- COASTAL ECOLOGY
- COASTAL WATER
- CONTAMINANTS
- CONTAMINATION
- DEBRIS
- DEFORESTATION
- ∞ EFFECTS
- ENVIRONMENTS
- EUTROPHICATION
- EXHAUST GASES
- GREENHOUSE EFFECT
- HABITATS
- ICE ENVIRONMENTS
- MAN ENVIRONMENT INTERACTIONS
- MARINE BIOLOGY
- MARINE ENVIRONMENTS
- METABOLIC WASTES
- NOISE POLLUTION
- POISONS
- POLLUTION
- SEWAGE
- SOIL EROSION
- THERMAL POLLUTION
- WASTE DISPOSAL
- WASTES
- WATER POLLUTION
- WATER QUALITY
- WATER RESOURCES
- WETLANDS
- WILDLIFE

### ENVIRONMENT MANAGEMENT

- GS MANAGEMENT
- . ENVIRONMENT MANAGEMENT
- RT CONSERVATION
- EARTH RESOURCES
- ENVIRONMENTAL MONITORING
- LAND MANAGEMENT
- LAND USE
- MAN ENVIRONMENT INTERACTIONS
- RESOURCES MANAGEMENT
- WATER MANAGEMENT
- WATER RESOURCES

### ENVIRONMENT MODELS

- GS MODELS
- . ENVIRONMENT MODELS
- RT ATMOSPHERIC MODELS
- EXOBIOLOGY
- TEST CHAMBERS

### ENVIRONMENT POLLUTION

- GS POLLUTION
- . ENVIRONMENT POLLUTION
- . AIR POLLUTION
- . GLOBAL AIR POLLUTION
- . INDOOR AIR POLLUTION
- . WATER POLLUTION
- . OIL POLLUTION
- RT AEROBIOLOGY
- AEROSOLS
- AIR SAMPLING
- CLEAN ENERGY
- EARTH RESOURCES
- ENVIRONMENTAL MONITORING
- ENVIRONMENTAL SURVEYS
- HUMAN WASTES
- METABOLIC WASTES
- NOISE POLLUTION
- OIL SLICKS
- POISONS
- POLLUTION MONITORING
- POLLUTION TRANSPORT
- RADIOACTIVE WASTES
- THERMAL POLLUTION
- WASTE DISPOSAL

### ENVIRONMENT PROTECTION

- GS PROTECTION
- . ENVIRONMENT PROTECTION
- RT AIR POLLUTION
- CENTRAL ATLANTIC REGIONAL ECOL
- TEST SITE
- EFFLUENTS
- ENVIRONMENTAL MONITORING
- POLLUTION
- RADIOACTIVE WASTES
- WASTE DISPOSAL
- WATER POLLUTION

### ENVIRONMENT SIMULATION

- GS SIMULATION
- . ENVIRONMENT SIMULATION
- . ACOUSTIC SIMULATION

## ENVIRONMENT SIMULATORS

### ENVIRONMENT SIMULATION-(CONT.)

- ... ALTITUDE SIMULATION
- ... SPACE ENVIRONMENT SIMULATION
- ... WEIGHTLESSNESS SIMULATION
- ... NEUTRAL BUOYANCY SIMULATION
- ... THERMAL SIMULATION
- RT ATMOSPHERIC ENTRY SIMULATION
- ATMOSPHERIC MODELS
- ENVIRONMENTAL TESTS
- FLIGHT SIMULATION

### ENVIRONMENT SIMULATORS

- GS SIMULATORS
- ... ENVIRONMENT SIMULATORS
- ... LUNAR GRAVITY SIMULATOR
- ... SOLAR SIMULATORS
- ... SPACE SIMULATORS
- ... HIGH VACUUM ORBITAL SIMULATOR
- ... LANGLEY COMPLEX COORDINATOR
- RT TEST CHAMBERS

### ENVIRONMENTAL CHAMBERS

- USE TEST CHAMBERS

### ENVIRONMENTAL CHEMISTRY

- GS ENVIRONMENTAL CHEMISTRY
- ... AEROTHERMOCHEMISTRY
- ... ATMOSPHERIC CHEMISTRY
- ... GEOCHEMISTRY
- ... BIOGEOCHEMISTRY
- ... MARINE CHEMISTRY
- RT AIR POLLUTION
- ∞ CHEMISTRY
- CLIMATOLOGY
- HYDROCARBON FUELS
- PESTICIDES
- SMOG
- WASTE DISPOSAL
- WATER POLLUTION

### ENVIRONMENTAL CONTROL

- RT ANTISEPTICS
- ARTIFICIAL GRAVITY
- AUTOMATIC CONTROL
- BIOSATELLITES
- CABIN ATMOSPHERES
- CLEAN ROOMS
- ∞ CONTROL
- EMERGENCY LIFE SUSTAINING SYSTEMS
- ENVIRONMENTS
- HABITABILITY
- MANNED REENTRY
- MANNED SPACECRAFT
- PRESSURIZED CABINS
- RESOURCES MANAGEMENT
- SPACECRAFT CABIN ATMOSPHERES
- SPACECRAFT ENVIRONMENTS
- TEMPERATURE CONTROL
- TEST CHAMBERS
- WEATHER MODIFICATION
- WINDSHIELDS

### ENVIRONMENTAL ENGINEERING

- RT ∞ AEROSPACE SCIENCES
- CLEAN ENERGY
- CLIMATOLOGY
- COMFORT
- ∞ ENGINEERING
- ENVIRONMENTS
- HEATING
- HUMAN FACTORS ENGINEERING
- ILLUMINATING
- LIFE SCIENCES
- LIFE SUPPORT SYSTEMS
- METEOROLOGY
- PHYSIOLOGICAL EFFECTS
- PSYCHOLOGICAL EFFECTS
- SHELTERS
- SPACE HEATING (BUILDINGS)
- STARSITE PROGRAM
- TEMPERATURE CONTROL
- TEMPERATURE DISTRIBUTION
- VENTILATION
- WASTE DISPOSAL

### ENVIRONMENTAL INDEX

- RT PHYSIOLOGICAL TESTS

### ENVIRONMENTAL LABORATORIES

- GS LABORATORIES
- ... ENVIRONMENTAL LABORATORIES
- TEST FACILITIES
- ... ENVIRONMENTAL LABORATORIES
- RT HUMAN FACTORS LABORATORIES

### ENVIRONMENTAL LABORATORIES-(CONT.)

#### TEST CHAMBERS

### ENVIRONMENTAL MONITORING

- RT AMBIENCE
- ENVIRONMENT MANAGEMENT
- ENVIRONMENT POLLUTION
- ENVIRONMENT PROTECTION
- INFRARED RADIOMETERS
- METEOROLOGY
- MONITORS
- OCEANOGRAPHY
- WEATHER FORECASTING

### ENVIRONMENTAL QUALITY

- GS QUALITY
- ... ENVIRONMENTAL QUALITY
- ... AIR QUALITY
- ... WATER QUALITY
- RT AIR POLLUTION
- CONTAMINANTS
- ENVIRONMENTS
- GLOBAL AIR SAMPLING PROGRAM
- MARINE BIOLOGY
- NOISE POLLUTION
- POLLUTION
- THERMAL POLLUTION
- WATER POLLUTION

### ENVIRONMENTAL RESEARCH SATELLITES

- UF OCTAHEDRAL RESEARCH SATELLITES
- GS ARTIFICIAL SATELLITES
- ... SCIENTIFIC SATELLITES
- ... ENVIRONMENTAL RESEARCH SATELLITES
- ... ERS 17
- ... ERS 18
- ... INTASAT SATELLITE
- RT ATLAS AGENA LAUNCH VEHICLES

### ENVIRONMENTAL SURVEYS

- SN (LIMITED TO INDEXING ENVIRONMENTAL IMPACT STATEMENTS)
- RT AEROSOLS
- AIR POLLUTION
- EARTH RESOURCES
- ENVIRONMENT POLLUTION
- HUMAN WASTES
- METABOLIC WASTES
- POISONS
- POLLUTION
- POLLUTION CONTROL
- RADIOACTIVE WASTES
- THERMAL POLLUTION
- WASTE DISPOSAL
- WATER POLLUTION

### ENVIRONMENTAL TEMPERATURE

- USE AMBIENT TEMPERATURE

### ENVIRONMENTAL TESTS

- GS ENVIRONMENTAL TESTS
- ... COLD WEATHER TESTS
- ... CORROSION TESTS
- ... CORROSION TEST LOOPS
- ... SALT SPRAY TESTS
- ... HIGH TEMPERATURE TESTS
- ... LOW TEMPERATURE TESTS
- ... UNDERWATER TESTS
- ... NEUTRAL BUOYANCY SIMULATION
- RT ASSET PROJECT
- ELECTRONIC EQUIPMENT TESTS
- ENVIRONMENT SIMULATION
- HIGH ALTITUDE TESTS
- ∞ MATERIALS TESTS
- ORBITAL SPACE TESTS
- PHYSIOLOGICAL TESTS
- PSYCHOLOGICAL TESTS
- REVERBERATION CHAMBERS
- SPIN TESTS
- TEST CHAMBERS
- ∞ TESTS
- THERMAL CYCLING TESTS
- THERMAL VACUUM TESTS
- VIBRATION TESTS

### ENVIRONMENTS

- GS ENVIRONMENTS
- ... AEROSPACE ENVIRONMENTS
- ... CISLUNAR SPACE
- ... DEEP SPACE
- ... INTERPLANETARY SPACE
- ... INTERSTELLAR SPACE
- ... EARTH ORBITAL ENVIRONMENTS
- ... EARTH ENVIRONMENT

### ENVIRONMENTS-(CONT.)

- ... EARTH MAGNETOSPHERE
- ... GEOMAGNETIC TAIL
- ... MAGNETOPAUSE
- ... MAGNETOSHEATH
- ... EXTRATERRESTRIAL ENVIRONMENTS
- ... CISLUNAR SPACE
- ... DEEP SPACE
- ... INTERPLANETARY SPACE
- ... INTERSTELLAR SPACE
- ... EARTH ORBITAL ENVIRONMENTS
- ... LUNAR ENVIRONMENT
- ... LUNAR ATMOSPHERE
- ... PLANETARY ENVIRONMENTS
- ... MARS ENVIRONMENT
- ... MARS ATMOSPHERE
- ... PLANETARY ATMOSPHERES
- ... HELIUM HYDROGEN ATMOSPHERES
- ... JUPITER ATMOSPHERE
- ... MARS ATMOSPHERE
- ... MERCURY ATMOSPHERE
- ... NEPTUNE ATMOSPHERE
- ... PLANETARY IONOSPHERES
- ... PLUTO ATMOSPHERE
- ... SATURN ATMOSPHERE
- ... URANUS ATMOSPHERE
- ... VENUS ATMOSPHERE
- ... VENUS CLOUDS
- ... PLANETARY MAGNETOSPHERES
- ... SATELLITE ATMOSPHERES
- ... LUNAR ATMOSPHERE
- ... STELLAR ATMOSPHERES
- ... CHROMOSPHERE
- ... SOLAR ATMOSPHERE
- ... FRICTIONLESS ENVIRONMENTS
- ... HETEROSPHERE
- ... HIGH ALTITUDE ENVIRONMENTS
- ... HIGH GRAVITY ENVIRONMENTS
- ... HIGH TEMPERATURE ENVIRONMENTS
- ... ICE ENVIRONMENTS
- ... INNER RADIATION BELT
- ... LOW TEMPERATURE ENVIRONMENTS
- ... MARINE ENVIRONMENTS
- ... MIDLATITUDE ATMOSPHERE
- ... ROTATING ENVIRONMENTS
- ... SPACECRAFT ENVIRONMENTS
- ... THERMAL ENVIRONMENTS
- RT ADIABATIC CONDITIONS
- AIR
- AIR POLLUTION
- AIR QUALITY
- AMBIENCE
- ∞ ATMOSPHERES
- COASTAL ECOLOGY
- COASTAL PLAINS
- CONTROLLED ATMOSPHERES
- EARTH ATMOSPHERE
- ECOLOGY
- ECONOMIC IMPACT
- ELECTROMAGNETIC INTERFERENCE
- ENVIRONMENT EFFECTS
- ENVIRONMENTAL CONTROL
- ENVIRONMENTAL ENGINEERING
- ENVIRONMENTAL QUALITY
- GLOBAL AIR POLLUTION
- GRAVITATION
- HABITABILITY
- HABITATS
- HUMAN FACTORS ENGINEERING
- HUMIDITY
- LIFE SUPPORT SYSTEMS
- NONPOINT SOURCES
- ∞ PERFORMANCE
- PHYSIOLOGICAL EFFECTS
- PLANTS (BOTANY)
- PRESSURE
- PSYCHOLOGICAL EFFECTS
- REGIMES
- TEMPERATURE
- THERMAL POLLUTION
- VACUUM EFFECTS
- WEIGHTLESSNESS

### ENZYME ACTIVITY

- GS METABOLISM
- ... ENZYME ACTIVITY
- ... FERMENTATION
- RT BIOCONVERSION
- DIABETES MELLITUS
- DIGESTIVE SYSTEM
- LYSOSOMES
- TYROSINE

**ENZYMES**

GS BIOPOLYMERS  
 . PROTEINS  
 . . **ENZYMES**  
 . . . ALDOLASE  
 . . . AMIDASE  
 . . . CARBONIC ANHYDRASE  
 . . . CATALASE  
 . . . CHOLINESTERASE  
 . . . CYTOCHROMES  
 . . . HEXOKINASE  
 . . . LYSOZYME  
 . . . NUCLEASE  
 . . . OXIDASE  
 . . . PAPAINE  
 . . . PEPSIN  
 . . . PROTEASE  
 . . . THROMBIN  
 . . . TRYPSIN  
 ORGANIC COMPOUNDS  
 . PROTEINS  
 . . **ENZYMES**  
 . . . ALDOLASE  
 . . . AMIDASE  
 . . . CARBONIC ANHYDRASE  
 . . . CATALASE  
 . . . CHOLINESTERASE  
 . . . CYTOCHROMES  
 . . . HEXOKINASE  
 . . . LYSOZYME  
 . . . NUCLEASE  
 . . . OXIDASE  
 . . . PAPAINE  
 . . . PEPSIN  
 . . . PROTEASE  
 . . . THROMBIN  
 . . . TRYPSIN  
 RT ACTIVATION (BIOLOGY)  
 CATALYSTS  
 COENZYMES  
 ENZYMOLOGY

**ENZYMOMLOGY**

GS BIOCHEMISTRY  
 . **ENZYMOMLOGY**  
 RT DIGESTING  
 DIGESTIVE SYSTEM  
 ENZYMES  
 METABOLISM  
 NITROGEN METABOLISM

**EOCR (REACTOR)**

USE EXPERIMENTAL ORGANIC COOLED  
 REACTORS

**EOGO**

USE EGO

**EOLE SATELLITES**

GS ARTIFICIAL SATELLITES  
 . FRENCH SATELLITES  
 . . **EOLE SATELLITES**  
 . . . METEOROLOGICAL SATELLITES  
 . . . **EOLE SATELLITES**  
 RT FRENCH SPACE PROGRAMS  
 GEOL SATELLITES  
 GEOPHYSICAL SATELLITES

**EOPAP**

USE EARTH & OCEAN PHYSICS  
 APPLICATIONS PROGRAM

**EOR (RENDEZVOUS)**

USE EARTH ORBITAL RENDEZVOUS

**EOS**

USE LANDSAT SATELLITES

**EOS-A**

USE LANDSAT E

**EOS-B**

USE LANDSAT F

**EOSINOPHILS**

GS CELLS (BIOLOGY)  
 . BLOOD CELLS  
 . . LEUKOCYTES  
 . . . **EOSINOPHILS**  
 RT CYTOPLASM

**EPE-A**

USE EXPLORER 12 SATELLITE

**EPE-B**

USE EXPLORER 14 SATELLITE

**EPE-C**

USE EXPLORER 15 SATELLITE

**EPE-D**

USE EXPLORER 26 SATELLITE

**EPHEMERIDES**

GS **EPHEMERIDES**  
 . PLANET EPHEMERIDES  
 RT ASTRONOMICAL CATALOGS  
 CELESTIAL MECHANICS  
 EPHEMERIS TIME  
 ORBITS  
 POSITION (LOCATION)

**EPHEMERIS TIME**

GS TIME  
 . **EPHEMERIS TIME**  
 RT EPHEMERIDES  
 UNIVERSAL TIME

**EPICARDIUM**

GS ANATOMY  
 . CIRCULATORY SYSTEM  
 . . CARDIOVASCULAR SYSTEM  
 . . . HEART  
 . . . **EPICARDIUM**  
 MEMBRANES  
 . **EPICARDIUM**  
 TISSUES (BIOLOGY)  
 . **EPICARDIUM**

**EPICYCLOIDS**

GS GEOMETRY  
 . CURVES (GEOMETRY)  
 . . **EPICYCLOIDS**  
 . . EUCLIDEAN GEOMETRY  
 . . ANALYTIC GEOMETRY  
 . . . **EPICYCLOIDS**  
 RT CUSPS (MATHEMATICS)

**EPIDEMIOLOGY**

GS MEDICAL SCIENCE  
 . **EPIDEMIOLOGY**  
 RT INFECTIOUS DISEASES  
 VACCINES  
 VETERINARY MEDICINE

**EPIDERMIS**

GS ANATOMY  
 . SKIN (ANATOMY)  
 . . **EPIDERMIS**  
 RT CONTACT DERMATITIS

**EPILEPSY**

GS DISEASES  
 . **EPILEPSY**  
 RT CRAMPS  
 HUMAN PATHOLOGY  
 SHAKING

**EPINEPHRINE**

UF ADRENALINE  
 GS AMINES  
 . CATECHOLAMINE  
 . . **EPINEPHRINE**  
 . . . NOREPINEPHRINE  
 DRUGS  
 . **EPINEPHRINE**  
 . . NOREPINEPHRINE  
 RT ADRENAL GLAND  
 HEART RATE  
 STIMULANTS

**EPITAXY**

GS GROWTH  
 . CRYSTAL GROWTH  
 . . **EPITAXY**  
 . . . ELECTROEPITAXY  
 . . . LIQUID PHASE EPITAXY  
 . . . MOLECULAR BEAM EPITAXY  
 . . . VAPOR PHASE EPITAXY  
 RT BIPOLAR TRANSISTORS  
 CRYSTAL LATTICES  
 CRYSTAL STRUCTURE  
 JUNCTION TRANSISTORS

**EPITHELIUM**

GS TISSUES (BIOLOGY)  
 . **EPITHELIUM**  
 RT ANATOMY

**EPITHELIUM-(CONT.)**

HISTOLOGY  
 PERITONEUM  
 SKIN (ANATOMY)

**EPNL**

USE EFFECTIVE PERCEIVED NOISE LEVELS

**EPOCHS**

USE TIME MEASUREMENT

**EPOXIDATION**

GS CHEMICAL REACTIONS  
 . **EPOXIDATION**  
 RT OXIDATION

**EPOXIDES**

USE EPOXY COMPOUNDS

**EPOXY COMPOUNDS**

UF EPOXIDES  
 GS **EPOXY COMPOUNDS**  
 . ENDRIIN  
 . ETHYLENE OXIDE  
 . HYOSCINE  
 . . PROPYLENE OXIDE  
 RT  $\infty$  CHEMICAL COMPOUNDS  
 ETHERS

**EPOXY MATRIX COMPOSITES**

GS COMPOSITE MATERIALS  
 . POLYMER MATRIX COMPOSITES  
 . . **EPOXY MATRIX COMPOSITES**  
 . . . BORON-EPOXY COMPOSITES  
 RT FIBER ORIENTATION  
 LOW DENSITY RESEARCH  
 $\infty$  MATERIALS  
 $\infty$  MATRICES  
 MATRIX MATERIALS  
 PULTRUSION  
 SANDWICH STRUCTURES

**EPOXY RESINS**

GS PLASTICS  
 . SYNTHETIC RESINS  
 . . THERMOSETTING RESINS  
 . . . **EPOXY RESINS**  
 . . . . PHENOLIC EPOXY RESINS  
 RESINS  
 . SYNTHETIC RESINS  
 . . THERMOSETTING RESINS  
 . . . **EPOXY RESINS**  
 . . . . PHENOLIC EPOXY RESINS  
 RT ADHESIVES  
 BORON REINFORCED MATERIALS  
 BORON-EPOXY COMPOSITES  
 COATINGS  
 GLASS TRANSITION TEMPERATURE  
 GRAPHITE-EPOXY COMPOSITES  
 LAY-UP  
 PREPREGS  
 RESIN MATRIX COMPOSITES

**EQUALIZERS (CIRCUITS)**

RT ATTENUATORS  
 $\infty$  FREQUENCY RESPONSE  
 PHASE SHIFT  
 SIGNAL PROCESSING

 $\infty$  **EQUATIONS**

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 UF BALANCE EQUATIONS  
 FORCED VIBRATORY MOTION  
 EQUATIONS  
 RT ADIABATIC EQUATIONS  
 APPROXIMATION  
 BERNOULLI THEOREM  
 BETHE-SALPETER EQUATION  
 BIHARMONIC EQUATIONS  
 BLASIUS EQUATION  
 BOLTZMANN TRANSPORT EQUATION  
 BOLTZMANN-VLASOV EQUATION  
 BORN APPROXIMATION  
 BOUNDARY LAYER EQUATIONS  
 BRILLOUIN-WIGNER EQUATION  
 BURGER EQUATION  
 CAUCHY-RIEMANN EQUATIONS  
 CHANDRASEKHAR EQUATION  
 CHAPLYGIN EQUATION  
 CONSERVATION EQUATIONS  
 CONSTITUTIVE EQUATIONS  
 CONTINUITY EQUATION

## EQUATIONS OF MOTION

### EQUATIONS-(CONT.)

CUBIC EQUATIONS  
 DIFFERENCE EQUATIONS  
 DIFFERENTIAL EQUATIONS  
 DIOPHANTINE EQUATION  
 DIRAC EQUATION  
 DONNELL EQUATIONS  
 DUFFING DIFFERENTIAL EQUATION  
 EIKONAL EQUATION  
 EINSTEIN EQUATIONS  
 ELBER EQUATION  
 ELLIPTIC DIFFERENTIAL EQUATIONS  
 EQUATIONS OF MOTION  
 EQUATIONS OF STATE  
 EQUILIBRIUM EQUATIONS  
 EULER EQUATIONS OF MOTION  
 EULER-CAUCHY EQUATIONS  
 EULER-LAGRANGE EQUATION  
 EULER-LAMBERT EQUATION  
 FADDEEV EQUATIONS  
 FALKNER-SKAN EQUATION  
 FICKS EQUATION  
 FLOW EQUATIONS  
 FOKKER-PLANCK EQUATION  
 FREDHOLM EQUATIONS  
 GAUSS EQUATION  
 GIBBS ADSORPTION EQUATION  
 ∞ GIBBS EQUATIONS  
 GIBBS-HELMHOLTZ EQUATIONS  
 GLIMM METHOD  
 HAMILTON-JACOBI EQUATION  
 ∞ HELMHOLTZ EQUATIONS  
 HELMHOLTZ VORTICITY EQUATION  
 HUGONIOT EQUATION OF STATE  
 HYDRODYNAMIC EQUATIONS  
 HYPERBOLIC DIFFERENTIAL EQUATIONS  
 IDENTITIES  
 INHOUR EQUATION  
 INTEGRAL EQUATIONS  
 KINEMATIC EQUATIONS  
 KINETIC EQUATIONS  
 KLEIN-GORDON EQUATION  
 KORTEWEG-DEVRIES EQUATION  
 KROOK EQUATION  
 LAME WAVE EQUATIONS  
 LANDAU-GINZBURG EQUATIONS  
 LAPLACE EQUATION  
 LINEAR EQUATIONS  
 LINEAR EVOLUTION EQUATIONS  
 LINEARIZATION  
 LIOUVILLE EQUATIONS  
 MACROSCOPIC EQUATIONS  
 MATHIEU FUNCTION  
 MAXWELL EQUATION  
 MONGE-AMPERE EQUATION  
 NAVIER-STOKES EQUATION  
 NONHOLONOMIC EQUATIONS  
 NONLINEAR EQUATIONS  
 NONLINEAR EVOLUTION EQUATIONS  
 ORR-SOMMERFELD EQUATIONS  
 PARABOLIC DIFFERENTIAL EQUATIONS  
 PARTIAL DIFFERENTIAL EQUATIONS  
 PFAFF EQUATION  
 POISSON EQUATION  
 POLYNOMIALS  
 PRIMITIVE EQUATIONS  
 QUADRATIC EQUATIONS  
 QUARTIC EQUATIONS  
 RAYLEIGH EQUATIONS  
 REYNOLDS EQUATION  
 ROOTS OF EQUATIONS  
 SAHA EQUATIONS  
 SCHROEDINGER EQUATION  
 SEMIEMPIRICAL EQUATIONS  
 SHALLOW SHELL EQUATIONS  
 SIMULTANEOUS EQUATIONS  
 SINGULAR INTEGRAL EQUATIONS  
 STOKES-BELTRAMI EQUATION  
 THERMODYNAMICS  
 VLASOV EQUATIONS  
 VOLTERRA EQUATIONS  
 VON KARMAN EQUATION  
 VORTICITY EQUATIONS  
 WAVE EQUATIONS  
 WIENER HOPF EQUATIONS

### EQUATIONS OF MOTION

UF MOTION EQUATIONS  
 GS **EQUATIONS OF MOTION**  
 . EULER EQUATIONS OF MOTION  
 . KINETIC EQUATIONS  
 . . HYDRODYNAMIC EQUATIONS  
 . . . HELMHOLTZ VORTICITY EQUATION  
 . . KINEMATIC EQUATIONS  
 . NAVIER-STOKES EQUATION  
 . REYNOLDS EQUATION

### EQUATIONS OF MOTION-(CONT.)

RT AUTONOMY  
 BETHE-SALPETER EQUATION  
 CELESTIAL MECHANICS  
 CLASSICAL MECHANICS  
 COMPUTATIONAL FLUID DYNAMICS  
 CONTINUITY EQUATION  
 CONTROL MOMENT GYROSCOPES  
 ∞ DYNAMICS  
 EINSTEIN EQUATIONS  
 ∞ EQUATIONS  
 EQUILIBRIUM EQUATIONS  
 HAMILTON-JACOBI EQUATION  
 INERTIA PRINCIPLE  
 KINEMATICS  
 LISSAJOUS FIGURES  
 MACH INERTIA PRINCIPLE  
 MOMENTS OF INERTIA  
 MOTION AFTEREFFECTS  
 SPINNING UNGUIDED ROCKET  
 TRAJECTORY  
 STABILITY  
 SYSTEMS STABILITY  
 TRAJECTORIES  
 TRAJECTORY ANALYSIS  
 VARIABLE MASS SYSTEMS  
 VON ZEIPPEL METHOD

### EQUATIONS OF STATE

UF STATE EQUATIONS  
 GS **EQUATIONS OF STATE**  
 . HUGONIOT EQUATION OF STATE  
 RT ADIABATIC EQUATIONS  
 BBGKY HIERARCHY  
 BOSE GEOMETRY  
 COMPRESSIBILITY  
 CONTINUITY EQUATION  
 ∞ EQUATIONS  
 EQUILIBRIUM EQUATIONS  
 IDEAL FLUIDS  
 IDEAL GAS  
 KINETIC THEORY  
 MOLLIER DIAGRAM  
 REAL GASES  
 THERMODYNAMICS  
 VIRIAL COEFFICIENTS

### EQUATORIAL ATMOSPHERE

RT ∞ ATMOSPHERES  
 ATMOSPHERIC COMPOSITION  
 METEOROLOGICAL PARAMETERS  
 MIDDLE ATMOSPHERE  
 TROPICAL METEOROLOGY  
 TROPICAL REGIONS

### EQUATORIAL ELECTROJET

GS ELECTRIC CURRENT  
 . IONOSPHERIC CURRENTS  
 . . ELECTROJETS  
 . . . **EQUATORIAL ELECTROJET**  
 . ELECTRICITY  
 . . ATMOSPHERIC ELECTRICITY  
 . . IONOSPHERIC CURRENTS  
 . . . ELECTROJETS  
 . . . . **EQUATORIAL ELECTROJET**  
 RT AURORAL ELECTROJETS

### EQUATORIAL ORBITS

GS ORBITS  
 . **EQUATORIAL ORBITS**  
 . . STATIONARY ORBITS  
 RT CIRCULAR ORBITS  
 EARTH ORBITS  
 ELLIPTICAL ORBITS  
 GEOSYNCHRONOUS ORBITS  
 LUNAR ORBITS  
 ORBITAL MECHANICS  
 PLANETARY ORBITS  
 POLAR ORBITS  
 SATELLITE ORBITS  
 SPACECRAFT ORBITS  
 TWENTY-FOUR HOUR ORBITS

### EQUATORIAL REGIONS

GS REGIONS  
 . **EQUATORIAL REGIONS**  
 RT ARID LANDS  
 EARTH SURFACE  
 TROPICAL REGIONS

### EQUATORS

GS **EQUATORS**  
 . LUNAR EQUATOR  
 . MAGNETIC EQUATOR  
 RT COORDINATES

### EQUATORS-(CONT.)

ROTATING SPHERES  
 TRANSEQUATORIAL PROPAGATION

### ∞ EQUILIBRIUM

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT ACID BASE EQUILIBRIUM  
 AEROSTATICS  
 BALANCE  
 BALANCING  
 BODY SWAY TEST  
 CHEMICAL EQUILIBRIUM  
 DIFFUSION  
 DIFFUSION COEFFICIENT  
 DYNAMIC CHARACTERISTICS  
 EQUILIBRIUM EQUATIONS  
 HEAT OF DISSOCIATION  
 HOMEOSTASIS  
 ISOSTASY  
 LIQUID-VAPOR EQUILIBRIUM  
 LOADS (FORCES)  
 MAXWELL-MOHR METHOD  
 NONEQUILIBRIUM CONDITIONS  
 ONSAGER RELATIONSHIP  
 PLASMA EQUILIBRIUM  
 RELAXATION (MECHANICS)  
 RELAXATION TIME  
 STABILITY  
 STABILIZATION  
 STATICS  
 STEADY STATE  
 SYSTEMS STABILITY  
 THERMODYNAMIC EQUILIBRIUM  
 THERMODYNAMIC PROPERTIES  
 THERMODYNAMICS  
 TRANSITION POINTS  
 UNSTEADY STATE  
 VARIABILITY  
 WATER BALANCE

### EQUILIBRIUM DIAGRAMS

USE PHASE DIAGRAMS

### EQUILIBRIUM EQUATIONS

RT ANALYSIS (MATHEMATICS)  
 ∞ EQUATIONS  
 EQUATIONS OF MOTION  
 EQUATIONS OF STATE  
 ∞ EQUILIBRIUM

### EQUILIBRIUM FLOW

UF STEADY STATE FLOW  
 GS FLUID FLOW  
 . GAS FLOW  
 . . **EQUILIBRIUM FLOW**  
 . . . FROZEN EQUILIBRIUM FLOW  
 . . . SHIFTING EQUILIBRIUM FLOW  
 RT EYRING THEORY  
 HEAT TRANSMISSION  
 NONEQUILIBRIUM FLOW  
 PLASMA EQUILIBRIUM  
 QUASI-STEADY STATES  
 STEADY FLOW

### EQUILIBRIUM METHODS

SN (LIMITED TO STRUCTURAL ANALYSIS)  
 GS STRUCTURAL ANALYSIS  
 . **EQUILIBRIUM METHODS**  
 RT MATRIX METHODS  
 ∞ METHODOLOGY  
 VARIATIONAL PRINCIPLES

### EQUINOXES

RT SEASONS  
 SOLAR POSITION  
 SOLSTICES  
 WINTER

### EQUIPARTITION THEOREM

UF ENERGY EQUIPARTITION  
 GS THEOREMS  
 . **EQUIPARTITION THEOREM**  
 RT DEGREES OF FREEDOM  
 ENERGY DISTRIBUTION  
 KINETIC ENERGY  
 SPECIFIC HEAT

### ∞ EQUIPMENT

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 UF APPARATUS  
 RT ABORT APPARATUS

## ERROR DETECTION CODES

### EQUIPMENT-(CONT.)

ABSORBERS (EQUIPMENT)  
 ACCUMULATORS (COMPUTERS)  
 AIR CONDITIONING EQUIPMENT  
 AIRBORNE EQUIPMENT  
 AIRCRAFT EQUIPMENT  
 AIRPORT SURFACE DETECTION EQUIPMENT  
 AUDIO EQUIPMENT  
 AUTOMATIC TEST EQUIPMENT  
 BEDDING EQUIPMENT  
 BOMBING EQUIPMENT  
 BREATHING APPARATUS  
 COMMUNICATION EQUIPMENT  
 COMPUTER STORAGE DEVICES  
 CONSOLES  
 CRYOGENIC COMPUTER STORAGE  
 CRYOGENIC EQUIPMENT  
 DATA PROCESSING EQUIPMENT  
 DISTILLATION EQUIPMENT  
 ELECTROMECHANICAL DEVICES  
 ELECTRONIC EQUIPMENT  
 GROUND SUPPORT EQUIPMENT  
 HANDLING EQUIPMENT  
 HARDWARE  
 HEATING EQUIPMENT  
 HYDRAULIC EQUIPMENT  
 LABORATORY EQUIPMENT  
 LIGHTING EQUIPMENT  
 MECHANICAL DEVICES  
 MEDICAL EQUIPMENT  
 MINIATURE ELECTRONIC EQUIPMENT  
 ONBOARD EQUIPMENT  
 PERIPHERAL EQUIPMENT (COMPUTERS)  
 PHOTOGRAPHIC EQUIPMENT  
 PNEUMATIC EQUIPMENT  
 PORTABLE EQUIPMENT  
 RADAR EQUIPMENT  
 RIGGING  
 SAFETY DEVICES  
 SELF ERECTING DEVICES  
 SERVICE LIFE  
 SPACECRAFT EQUIPMENT  
 SURVIVAL EQUIPMENT  
 SYRINGES  
 TELEVISION EQUIPMENT  
 ∞ TEST EQUIPMENT  
 WIND TUNNEL APPARATUS  
 X RAY APPARATUS

### EQUIPMENT SPECIFICATIONS

GS SPECIFICATIONS  
 . EQUIPMENT SPECIFICATIONS  
 RT AIRCRAFT PRODUCTION  
 COMMONALITY  
 ∞ DESIGN  
 FUNCTIONAL DESIGN SPECIFICATIONS  
 MAINTENANCE  
 PROCUREMENT

### EQUIPOTENTIALS

GS FLUID FLOW  
 . POTENTIAL FLOW  
 . EQUIPOTENTIALS  
 RT ∞ FLOW GRAPHS  
 FLOW NETS

### EQUIVALENCE

GS MATHEMATICAL LOGIC  
 . SET THEORY  
 . EQUIVALENCE  
 RT PARITY  
 PARTITIONS (MATHEMATICS)

### EQUIVALENT CIRCUITS

GS CIRCUITS  
 . EQUIVALENT CIRCUITS  
 RT DUALITY PRINCIPLE  
 NETWORK ANALYSIS  
 NETWORK SYNTHESIS  
 SUPERPOSITION (MATHEMATICS)

### ERBE

USE EARTH RADIATION BUDGET  
 EXPERIMENT

### ERBIUM

GS CHEMICAL ELEMENTS  
 . RARE EARTH ELEMENTS  
 . ERBIUM  
 . . . ERBIUM ISOTOPES  
 METALS  
 . RARE EARTH ELEMENTS  
 . ERBIUM  
 . . . ERBIUM ISOTOPES

### ERBIUM ALLOYS

GS ALLOYS  
 . RARE EARTH ALLOYS  
 . . ERBIUM ALLOYS

### ERBIUM COMPOUNDS

GS RARE EARTH COMPOUNDS  
 . ERBIUM COMPOUNDS  
 RT ∞ CHEMICAL COMPOUNDS  
 ∞ METAL COMPOUNDS

### ERBIUM ISOTOPES

UF ERBIUM 169  
 ERBIUM 171  
 GS CHEMICAL ELEMENTS  
 . NUCLIDES  
 . . ISOTOPES  
 . . . ERBIUM ISOTOPES  
 . RARE EARTH ELEMENTS  
 . . ERBIUM  
 . . . ERBIUM ISOTOPES  
 METALS  
 . RARE EARTH ELEMENTS  
 . . ERBIUM  
 . . . ERBIUM ISOTOPES

### ERBIUM 169

USE ERBIUM ISOTOPES

### ERBIUM 171

USE ERBIUM ISOTOPES

### ERECTION

USE CONSTRUCTION

### EREP

UF EARTH RESOURCES EXPERIMENT  
 PACKAGE  
 GS PACKAGES  
 . INSTRUMENT PACKAGES  
 . . EREP  
 RT ∞ INSTRUMENTS  
 SKYLAB 1  
 SKYLAB 2  
 SKYLAB 3  
 SKYLAB 4

### ERGODIC PROCESS

RT INFORMATION THEORY  
 PROBABILITY THEORY  
 STOCHASTIC PROCESSES  
 THERMODYNAMICS

### ERGOMETERS

GS MEASURING INSTRUMENTS  
 . ERGOMETERS  
 RT DYNAMOMETERS

### ERGONOMICS

USE HUMAN FACTORS ENGINEERING

### ERGOTAMINE

GS AMINES  
 . ERGOTAMINE  
 BASES (CHEMICAL)  
 . ALKALOIDS  
 . . ERGOTAMINE  
 DRUGS  
 . ERGOTAMINE  
 NITROGEN COMPOUNDS  
 . ALKALOIDS  
 . . ERGOTAMINE  
 ORGANIC COMPOUNDS  
 . CYCLIC COMPOUNDS  
 . . HETEROCYCLIC COMPOUNDS  
 . . . ALKALOIDS  
 . . . . ERGOTAMINE

### EROS (SATELLITES)

UF EARTH RESOURCES OBSERVATION  
 SATELLITES  
 GS ARTIFICIAL SATELLITES  
 . EROS (SATELLITES)  
 RT EARTH RESOURCES  
 OCEANOGRAPHY  
 REMOTE SENSORS  
 SATELLITE OBSERVATION  
 SCANNING  
 TERRAIN ANALYSIS

### EROS PROJECT

USE EXPERIMENTAL REFLECTOR ORBITAL  
 SHOT PROJ

### EROSION

UF SCARS (GEOLOGY)  
 GS EROSION  
 . RAIN EROSION  
 . SOIL EROSION  
 . WATER EROSION  
 . WIND EROSION  
 RT ABLATION  
 ABRASION  
 ARROYOS  
 ATMOSPHERIC EFFECTS  
 CAVITATION CORROSION  
 CAVITATION FLOW  
 CORROSION  
 DEGRADATION  
 DETERIORATION  
 EROSION BURNING  
 ETCHING  
 FRETTING  
 HOT CORROSION  
 HYDROGEOLOGY  
 IMPINGEMENT  
 INLIERS (LANDFORMS)  
 METAL SURFACES  
 METAL-WATER REACTIONS  
 PENEPLAINS  
 PITTING  
 PLATEAUS  
 RAIN IMPACT DAMAGE  
 RAVINES  
 RIVERS  
 SOIL SCIENCE  
 SPARK MACHINING  
 SURFACE REACTIONS  
 TRIBOLOGY  
 VALLEYS  
 WAVE RESISTANCE  
 WEAR  
 WEAR TESTS  
 WEATHERING  
 WIND EFFECTS

### EROSIVE BURNING

GS COMBUSTION  
 . EROSION BURNING  
 RT BURNOUT  
 COMBUSTION TEMPERATURE  
 DETERIORATION  
 EROSION  
 EXHAUST GASES  
 FUEL COMBUSTION  
 HYPERSONIC COMBUSTION  
 OXIDATION  
 PITTING  
 PROPELLANT COMBUSTION  
 SOLID PROPELLANT COMBUSTION  
 TRIBOLOGY

### ERROR ANALYSIS

GS ANALYSIS (MATHEMATICS)  
 . NUMERICAL ANALYSIS  
 . . ERROR ANALYSIS  
 RT ∞ ANALYZING  
 ∞ APPLICATIONS OF MATHEMATICS  
 BIT ERROR RATE  
 BORESIGHT ERROR  
 CENSORED DATA (MATHEMATICS)  
 FAULT TOLERANCE  
 MEAN SQUARE VALUES  
 PROBABILITY THEORY  
 RANGE ERRORS  
 RAYLEIGH DISTRIBUTION  
 ROOT-MEAN-SQUARE ERRORS

### ERROR BAND

USE ACCURACY

### ERROR CORRECTING CODES

RT BIT ERROR RATE  
 ∞ CODES  
 CONCATENATED CODES  
 DIGITAL TECHNIQUES  
 REDUNDANCY ENCODING

### ERROR CORRECTING DEVICES

RT BCH CODES  
 CORRECTION  
 ∞ DEVICES  
 INSTRUMENT COMPENSATION  
 REDUNDANCY ENCODING

### ERROR DETECTION CODES

RT BIT ERROR RATE  
 ∞ CODES  
 CODING

## ERROR FUNCTIONS

### ERROR DETECTION CODES-(CONT.)

COMPUTER PROGRAMS  
COMPUTER SYSTEMS PROGRAMS  
DIGITAL TECHNIQUES  
FAULT TOLERANCE  
INFORMATION THEORY  
PARITY  
PROVING  
QUALITY CONTROL  
REDUNDANCY  
REDUNDANCY ENCODING

### ERROR FUNCTIONS

GS FUNCTIONS (MATHEMATICS)  
RT **ERROR FUNCTIONS**  
STATISTICAL DISTRIBUTIONS

### ERROR SIGNALS

RT BIT ERROR RATE  
COMPARATORS  
COMPENSATORS  
DIFFERENTIAL AMPLIFIERS  
DISCRIMINATORS  
ERRORS  
FALSE ALARMS  
PHASE ERROR  
POSITION ERRORS  
RANGE ERRORS  
SIGNAL MIXING  
∞ SIGNALS  
SLEWING

### ERRORS

UF INVALIDITY  
GS **ERRORS**  
INSTRUMENT ERRORS  
PHASE ERROR  
PILOT ERROR  
POSITION ERRORS  
BORESIGHT ERROR  
RANDOM ERRORS  
RANGE ERRORS  
ROOT-MEAN-SQUARE ERRORS  
TRUNCATION ERRORS  
VELOCITY ERRORS  
RT ACCURACY  
BIAS  
∞ COMPENSATION  
COMPUTER PROGRAM INTEGRITY  
CONFIDENCE  
CONSISTENCY  
CORRECTION  
DRIFT (INSTRUMENTATION)  
DYNAMIC CHARACTERISTICS  
ERROR SIGNALS  
HYSTERESIS  
LINEARITY  
MALFUNCTIONS  
MEDIAN (STATISTICS)  
OPTICAL CORRECTION PROCEDURE  
PRECISION  
QUALITY CONTROL  
RANGE (EXTREMES)  
RELIABILITY  
RESOLUTION  
RESPONSE BIAS  
∞ SCALING  
∞ TESTS  
TOLERANCES (MECHANICS)

### ERS 17

GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
ENVIRONMENTAL RESEARCH  
SATELLITES  
ERS 17  
RT ATLAS AGENA LAUNCH VEHICLES

### ERS 18

GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
ENVIRONMENTAL RESEARCH  
SATELLITES  
ERS 18  
RT ATLAS AGENA LAUNCH VEHICLES

### ERS-1 (ESA SATELLITE)

GS ARTIFICIAL SATELLITES  
ESA SATELLITES  
ERS-1 (ESA SATELLITE)  
MARITIME SATELLITES  
ERS-1 (ESA SATELLITE)  
ESA SPACECRAFT  
ESA SATELLITES  
ERS-1 (ESA SATELLITE)

### ERS-1 (ESA SATELLITE)-(CONT.)

RT EUROPEAN SPACE AGENCY

### ERTS

USE LANDSAT SATELLITES

### ERTS-A

USE LANDSAT 1

### ERTS-B

USE LANDSAT 2

### ERTS-C

USE LANDSAT 3

### ERTS-D

USE LANDSAT 4

### ERTS-E

USE LANDSAT E

### ERTS-F

USE LANDSAT F

### ERYTHROCYTES

UF RED BLOOD CELLS  
GS CELLS (BIOLOGY)  
BLOOD CELLS  
ERYTHROCYTES  
RETICULOCYTES  
RT BONE MARROW  
CARBOXYHEMOGLOBIN  
HEMATOCRIT  
HEMATOCRIT RATIO  
HEMOGLOBIN  
HEMOLYSIS  
LEUKOCYTES  
OXYHEMOGLOBIN

### ESA

USE EUROPEAN SPACE AGENCY

### ESA SATELLITES

SN (EUROPEAN SPACE AGENCY  
SATELLITES)  
UF ESRO SATELLITES  
EUROPEAN SPACE RESEARCH  
ORGANIZATION SAT  
GS ARTIFICIAL SATELLITES  
ESA SATELLITES  
AEROSAT SATELLITES  
COS-B SATELLITE  
ERS-1 (ESA SATELLITE)  
ESRO 1 SATELLITE  
ESRO 2 SATELLITE  
ESRO 4 SATELLITE  
EUROPEAN COMMUNICATIONS  
SATELLITE  
EXOSAT SATELLITE  
GEOS SATELLITES (ESA)  
HEOS SATELLITES  
HEOS A SATELLITE  
HEOS B SATELLITE  
HIPPARCOS SATELLITE  
INFRARED SPACE OBSERVATORY  
(ISO)  
L-SAT  
MAGELLAN ULTRAVIOLET  
ASTRONOMY SATELLITE  
MARECS MARITIME SATELLITES  
MAROTS (ESA)  
METEOSAT SATELLITE  
OTS (ESA)  
TD SATELLITES  
TD-1 SATELLITE  
ESA SPACECRAFT  
ESA SATELLITES  
AEROSAT SATELLITES  
COS-B SATELLITE  
ERS-1 (ESA SATELLITE)  
ESRO 1 SATELLITE  
ESRO 2 SATELLITE  
ESRO 4 SATELLITE  
EUROPEAN COMMUNICATIONS  
SATELLITE  
EXOSAT SATELLITE  
GEOS SATELLITES (ESA)  
HEOS SATELLITES  
HEOS A SATELLITE  
HEOS B SATELLITE  
HIPPARCOS SATELLITE  
INFRARED SPACE OBSERVATORY  
(ISO)  
L-SAT

### ESA SATELLITES-(CONT.)

MAGELLAN ULTRAVIOLET  
ASTRONOMY SATELLITE  
MARECS MARITIME SATELLITES  
MAROTS (ESA)  
METEOSAT SATELLITE  
OTS (ESA)  
TD SATELLITES  
TD-1 SATELLITE  
RT EARTHNET  
EUROPEAN SPACE AGENCY  
EUROPEAN SPACE PROGRAMS  
INTERNATIONAL COOPERATION

### ESA SPACECRAFT

GS **ESA SPACECRAFT**  
COLUMBUS SPACE STATION  
ESA SATELLITES  
AEROSAT SATELLITES  
COS-B SATELLITE  
ERS-1 (ESA SATELLITE)  
ESRO 1 SATELLITE  
ESRO 2 SATELLITE  
ESRO 4 SATELLITE  
EUROPEAN COMMUNICATIONS  
SATELLITE  
EXOSAT SATELLITE  
GEOS SATELLITES (ESA)  
HEOS SATELLITES  
HEOS A SATELLITE  
HEOS B SATELLITE  
HIPPARCOS SATELLITE  
INFRARED SPACE OBSERVATORY  
(ISO)  
L-SAT  
MAGELLAN ULTRAVIOLET  
ASTRONOMY SATELLITE  
MARECS MARITIME SATELLITES  
MAROTS (ESA)  
METEOSAT SATELLITE  
OTS (ESA)  
TD SATELLITES  
TD-1 SATELLITE  
GIOTTO MISSION  
RT ∞ SPACECRAFT

### ESAKI DIODES

USE TUNNEL DIODES

### ESCALATORS

RT ELEVATORS (LIFTS)  
LADDERS  
∞ LIFTS  
STAIRWAYS

### ESCAPE

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED-CONSULT THE TERMS  
LISTED BELOW)  
RT ESCAPE (ABANDONMENT)  
ESCAPE CAPSULES  
ESCAPE ROCKETS  
ESCAPE SYSTEMS  
ESCAPE VELOCITY  
LEAKAGE

### ESCAPE (ABANDONMENT)

RT BAILOUT  
EJECTION  
EJECTION TRAINING  
ENTRAPMENT  
∞ ESCAPE  
ESCAPE ROCKETS  
ESCAPE SYSTEMS  
JETTISONING  
JETTISONING  
PARACHUTE DESCENT

### ESCAPE CAPSULES

GS SAFETY DEVICES  
ESCAPE CAPSULES  
SPACE CAPSULES  
ESCAPE CAPSULES  
RT ABORT APPARATUS  
ABORTED MISSIONS  
EJECTION SEATS  
EMERGENCY LIFE SUSTAINING  
SYSTEMS  
∞ ESCAPE  
FLYING EJECTION SEATS  
HIGH ALTITUDE ENVIRONMENTS  
LAUNCH ESCAPE SYSTEMS  
LUNAR ESCAPE DEVICES  
PARACONE  
PRESSURIZED CABINS

**ESCAPE ROCKETS**

- GS SAFETY DEVICES
- RT . **ESCAPE ROCKETS**
- ABORT APPARATUS
- ABORTED MISSIONS
- ∞ ESCAPE
- ESCAPE (ABANDONMENT)
- LAUNCH ESCAPE SYSTEMS
- LUNAR ESCAPE DEVICES
- ∞ ROCKETS
- ∞ SPACECRAFT

**ESCAPE SYSTEMS**

- GS **ESCAPE SYSTEMS**
- LAUNCH ESCAPE SYSTEMS
- RT BAILOUT
- EJECTION
- EJECTION SEATS
- ∞ ESCAPE
- ESCAPE (ABANDONMENT)
- JETTISON SYSTEMS
- PARACONE
- SAFETY FACTORS
- ∞ SYSTEMS

**ESCAPE VELOCITY**

- UF PARABOLIC VELOCITY
- GS RATES (PER TIME)
- RT . **ESCAPE VELOCITY**
- VELOCITY
- RT ∞ **ESCAPE VELOCITY**
- ESCAPE
- HIGH SPEED
- HYPERBOLIC TRAJECTORIES
- ∞ HYPERVELOCITY
- ORBITAL VELOCITY
- PLANETARY GRAVITATION
- SCHWARZSCHILD METRIC
- VELOCITY ERRORS

**ESCARPMENTS**

- UF SCARPS
- GS LANDFORMS
- RT . **ESCARPMENTS**
- CLIFFS
- SLOPES
- TOPOGRAPHY

**ESCHERICHIA**

- GS MICROORGANISMS
- BACTERIA
- ∞ **ESCHERICHIA**

**ESG (GYROSCOPES)**

- USE ELECTROSTATIC GYROSCOPES

**ESKERS**

- USE GLACIAL DRIFT

**ESKIMOS**

- RT ANTHROPOLOGY
- CULTURE (SOCIAL SCIENCES)

**ESOPHAGUS**

- GS ANATOMY
- DIGESTIVE SYSTEM
- ∞ **ESOPHAGUS**

**ESRO**

- USE EUROPEAN SPACE AGENCY

**ESRO SATELLITES**

- USE ESA SATELLITES

**ESRO 1 SATELLITE**

- GS ARTIFICIAL SATELLITES
- ESA SATELLITES
- ∞ **ESRO 1 SATELLITE**
- ESA SPACECRAFT
- ESA SATELLITES
- ∞ **ESRO 1 SATELLITE**
- EUROPEAN SPACE AGENCY
- EUROPEAN SPACE PROGRAMS
- RT

**ESRO 2 SATELLITE**

- GS ARTIFICIAL SATELLITES
- ESA SATELLITES
- ∞ **ESRO 2 SATELLITE**
- ESA SPACECRAFT
- ESA SATELLITES
- ∞ **ESRO 2 SATELLITE**
- EUROPEAN SPACE AGENCY
- EUROPEAN SPACE PROGRAMS
- RT

**ESRO 4 SATELLITE**

- GS ARTIFICIAL SATELLITES
- ESA SATELLITES
- ∞ **ESRO 4 SATELLITE**
- ESA SPACECRAFT
- ESA SATELLITES
- ∞ **ESRO 4 SATELLITE**
- AURORAS
- RT EUROPEAN SPACE AGENCY
- EUROPEAN SPACE PROGRAMS
- PARTICLE DENSITY (CONCENTRATION)
- SCIENTIFIC SATELLITES

**ESSA SATELLITES**

- GS ARTIFICIAL SATELLITES
- METEOROLOGICAL SATELLITES
- ∞ **ESSA SATELLITES**
- ESSA 1 SATELLITE
- ESSA 2 SATELLITE
- ESSA 3 SATELLITE
- ESSA 4 SATELLITE
- ESSA 5 SATELLITE
- ESSA 6 SATELLITE
- ESSA 7 SATELLITE
- ESSA 8 SATELLITE
- ESSA 9 SATELLITE
- RT CLOUD PHOTOGRAPHY
- NIMBUS SATELLITES
- SATELLITE OBSERVATION
- TIROS SATELLITES

**ESSA 1 SATELLITE**

- UF OT-3
- GS ARTIFICIAL SATELLITES
- METEOROLOGICAL SATELLITES
- ESSA SATELLITES
- ∞ **ESSA 1 SATELLITE**
- DELTA LAUNCH VEHICLE
- RT

**ESSA 2 SATELLITE**

- UF OT-2
- GS ARTIFICIAL SATELLITES
- METEOROLOGICAL SATELLITES
- ESSA SATELLITES
- ∞ **ESSA 2 SATELLITE**
- DELTA LAUNCH VEHICLE
- RT

**ESSA 3 SATELLITE**

- UF TOS-A
- GS ARTIFICIAL SATELLITES
- METEOROLOGICAL SATELLITES
- ESSA SATELLITES
- ∞ **ESSA 3 SATELLITE**
- DELTA LAUNCH VEHICLE
- RT

**ESSA 4 SATELLITE**

- GS ARTIFICIAL SATELLITES
- METEOROLOGICAL SATELLITES
- ESSA SATELLITES
- ∞ **ESSA 4 SATELLITE**
- DELTA LAUNCH VEHICLE
- RT

**ESSA 5 SATELLITE**

- GS ARTIFICIAL SATELLITES
- METEOROLOGICAL SATELLITES
- ESSA SATELLITES
- ∞ **ESSA 5 SATELLITE**
- DELTA LAUNCH VEHICLE
- RT

**ESSA 6 SATELLITE**

- GS ARTIFICIAL SATELLITES
- METEOROLOGICAL SATELLITES
- ESSA SATELLITES
- ∞ **ESSA 6 SATELLITE**
- DELTA LAUNCH VEHICLE
- RT

**ESSA 7 SATELLITE**

- GS ARTIFICIAL SATELLITES
- METEOROLOGICAL SATELLITES
- ESSA SATELLITES
- ∞ **ESSA 7 SATELLITE**
- DELTA LAUNCH VEHICLE
- RT

**ESSA 8 SATELLITE**

- GS ARTIFICIAL SATELLITES
- METEOROLOGICAL SATELLITES
- ESSA SATELLITES
- ∞ **ESSA 8 SATELLITE**
- DELTA LAUNCH VEHICLE
- RT

**ESSA 9 SATELLITE**

- GS ARTIFICIAL SATELLITES
- METEOROLOGICAL SATELLITES
- ESSA SATELLITES

**ESSA 9 SATELLITE-(CONT.)**

- ∞ **ESSA 9 SATELLITE**
- DELTA LAUNCH VEHICLE
- RT

**ESTERS**

- GS **ESTERS**
- ACRYLATES
- ALKYLATES
- ASPARTATES
- CARBAMATES (TRADENAME)
- URETHANES
- CARBOXYLATES
- CHLOROFORMATE
- COBALT ACETATES
- CYANURATES
- GLUTAMATES
- GLYCERIDES
- ISOCYANATES
- DIISOCYANATES
- FULMINATES
- LACTATES
- LEAD ACETATES
- MALEATES
- MEPROBAMATE
- NITRATE ESTERS
- ISOPROPYL NITRATE
- PROPYL NITRATE
- OCTOATES
- ORGANIC NITRATES
- CELLULOSE NITRATE
- NITROFORMS
- HYDRAZINE NITROFORM
- NITROGLYCERIN
- PETN
- PHTHALATES
- POLYCARBONATES
- LEXAN (TRADEMARK)
- POLYESTERS
- POLYETHYLENE TEREPHTHALATE
- SODIUM CHLORODIFLUOROACETATES
- SODIUM SALICYLATES
- STEARATES
- SULFONATES
- TRICETIN
- RT ACETATES
- ACETYL COMPOUNDS
- CITRATES
- CYANATES
- LIPIDS
- NITROSYLS
- ORGANIC COMPOUNDS
- PLASTICIZERS
- SALICYLATES
- SKYDROL (TRADEMARK)

**ESTIMATES**

- GS **ESTIMATES**
- COST ESTIMATES
- RT ALLOCATIONS
- COMPARISON
- CONFIDENCE LIMITS
- CONTINGENCY
- CONTRACTS
- DAMAGE ASSESSMENT
- ESTIMATING
- EVALUATION
- FORECASTING
- LIKELIHOOD RATIO
- MANAGEMENT METHODS
- MANAGEMENT PLANNING
- NOISE PREDICTION (AIRCRAFT)
- PARAMETER IDENTIFICATION
- PREDICTIONS
- PRODUCTION MANAGEMENT
- PROJECT PLANNING
- QUALITY CONTROL
- RELIABILITY
- RESERVES
- RISK
- STATISTICAL ANALYSIS
- STATISTICAL TESTS
- ∞ STATISTICS
- SUBCONTRACTS
- SYSTEM IDENTIFICATION
- VALUE

**ESTIMATING**

- GS **ESTIMATING**
- ORBITAL POSITION ESTIMATION
- PARAMETER IDENTIFICATION
- SYSTEM IDENTIFICATION
- RT BUDGETING
- CONTRACTS
- COSTS
- COUNTING



## ESTIMATORS

### ESTIMATING-(CONT.)

CRITICAL PATH METHOD  
DELPHI METHOD (FORECASTING)  
∞ DESIGN  
ESTIMATES  
∞ ESTIMATORS  
EVALUATION  
FEASIBILITY  
FORECASTING  
∞ MEASUREMENT  
MISSION PLANNING  
NUMERICAL DIFFERENTIATION  
PATTERN METHOD (FORECASTING)  
PROBE METHOD (FORECASTING)  
PROFILE METHOD (FORECASTING)  
PROJECTS  
QUALITY CONTROL  
RESERVES  
RISK  
SAMPLING  
STANDARD DEVIATION  
STATISTICAL ANALYSIS  
STATISTICAL TESTS  
∞ STATISTICS  
TECHNOLOGICAL FORECASTING  
VALUE

### ESTIMATORS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED-CONSULT THE TERMS  
LISTED BELOW)  
RT CORRELATION  
COST ESTIMATES  
ESTIMATING  
PARAMETERIZATION  
PERSONNEL

### ESTONIA

RT BALTIC SEA  
EUROPE  
NATIONS

### ESTROGENS

GS ORGANIC COMPOUNDS  
LIPIDS  
STERIODS  
ESTROGENS  
SECRETIONS  
ENDOCRINE SECRETIONS  
HORMONES  
ESTROGENS  
RT ENDOCRINE GLANDS  
SEX GLANDS

### ESTUARIES

UF OUTLETS (GEOLOGY)  
RT CHESAPEAKE BAY (US)  
COASTS  
FISHERIES  
GEOGRAPHY  
HARBORS  
OCEANOGRAPHY  
RIVERS  
TIDAL FLATS  
TIDES  
TRIBUTARIES

### ETA-MESONS

GS PARTICLES  
ELEMENTARY PARTICLES  
BOSONS  
MESONS  
ETA-MESONS  
FERMIONS  
ETA-MESONS  
NUCLEAR PARTICLES  
BOSONS  
MESONS  
ETA-MESONS  
RT BARYONS  
CHARGED PARTICLES  
OMEGA-MESONS  
RHO-MESONS  
SIGMA-MESONS

### ETALONS

GS MEASURING INSTRUMENTS  
INTERFEROMETERS  
ETALONS  
OPTICAL MEASURING INSTRUMENTS  
ETALONS  
MIRRORS  
ETALONS  
OPTICAL EQUIPMENT  
OPTICAL MEASURING INSTRUMENTS

### ETALONS-(CONT.)

RT ETALONS  
DIFFRACTOMETERS  
FABRY-PEROT INTERFEROMETERS  
FLATNESS  
GONIOMETERS  
OPTICAL MEASUREMENT  
PHOTO GONIOMETERS  
REFLECTORS  
RONCHI TEST  
SAGNAC EFFECT  
SPECULAR REFLECTION  
TELESCOPES  
VERY LONG BASE INTERFEROMETRY

### ETCHANTS

RT CORROSION  
ETCHING

### ETCHING

RT CORROSION  
ENGRAVING  
EROSION  
ETCHANTS  
METALLOGRAPHY  
PITTING  
ULTRASONIC CLEANING

### ETHANE

GS ORGANIC COMPOUNDS  
HYDROCARBONS  
ALIPHATIC HYDROCARBONS  
ALKANES  
ETHANE  
RT HYDROCARBON FUELS

### ETHANE NITRILE

USE ACETONITRILE

### ETHANOL

USE ETHYL ALCOHOL

### ETHERS

GS ETHERS  
ACETALS  
ANISOLE  
DIETHYL ETHER  
GALLAMINE TRIETHIODIDE  
POLYPHENYL ETHER  
RT ANESTHETICS  
DRUGS  
EPOXY COMPOUNDS  
ORGANIC COMPOUNDS  
PEEK  
PROPARGYL GROUPS

### ETHICS

RT ∞ METHODOLOGY  
NORMS  
RESEARCH

### ETHIOPIA

GS NATIONS  
ETHIOPIA  
RT AFRICA

### ETHNIC FACTORS

GS SOCIOLOGY  
SOCIAL FACTORS  
ETHNIC FACTORS  
RT AMERICAN INDIANS  
COMMUNITIES  
CULTURE (SOCIAL SCIENCES)  
GROUP DYNAMICS

### ETHOXY ETHYLENE

### ETHYL ALCOHOL

UF ETHANOL  
GS HYDROXYL COMPOUNDS  
ALCOHOLS  
ETHYL ALCOHOL  
RT ATMOSPHERIC ENERGY SOURCES  
CARBOHYDRATES

### ETHYL COMPOUNDS

RT ∞ CHEMICAL COMPOUNDS  
DIETHYL HYDROGEN PHOSPHITE (DEHP)  
TETRAETHYL ORTHOSILICATE  
TRIETHYL COMPOUNDS

### ETHYLENE

GS ORGANIC COMPOUNDS  
HYDROCARBONS

### ETHYLENE-(CONT.)

ALIPHATIC HYDROCARBONS  
ALKENES  
ETHYLENE  
VINYLIDENE  
RT HYDROCARBON FUELS  
POLYETHYLENES

### ETHYLENE COMPOUNDS

GS ETHYLENE COMPOUNDS  
CHLOROETHYLENE  
ETHYLENE DIHYDRAZINE  
ETHYLENEDIAMINE  
ETHYLENEDIAMINETETRAACETIC ACIDS  
RT ∞ CHEMICAL COMPOUNDS

### ETHYLENE DIHYDRAZINE

GS ETHYLENE COMPOUNDS  
ETHYLENE DIHYDRAZINE  
HYDRAZINES  
ETHYLENE DIHYDRAZINE

### ETHYLENE OXIDE

GS EPOXY COMPOUNDS  
ETHYLENE OXIDE  
ORGANIC COMPOUNDS  
CYCLIC COMPOUNDS  
HETEROCYCLIC COMPOUNDS  
RT BACTERICIDES  
CHEMICAL STERILIZATION  
DECONTAMINATION  
OXIDES  
SPACECRAFT STERILIZATION

### ETHYLENEDIAMINE

GS AMINES  
DIAMINES  
ETHYLENEDIAMINE  
ETHYLENE COMPOUNDS  
ETHYLENEDIAMINE

### ETHYLENEDIAMINETETRAACETIC ACIDS

UF EDTA  
GS ACIDS  
CARBOXYLIC ACIDS  
FATTY ACIDS  
ACETIC ACID  
ETHYLENEDIAMINETETRAACETIC  
ACIDS  
ETHYLENE COMPOUNDS  
ETHYLENEDIAMINETETRAACETIC  
ACIDS  
ORGANIC COMPOUNDS  
CARBOXYLIC ACIDS  
FATTY ACIDS  
ACETIC ACID  
ETHYLENEDIAMINETETRAACETIC  
ACIDS  
RT ACETATES  
DETERGENTS

### ETIOLOGY

RT CASE HISTORIES  
CAUSES  
DISEASES  
PREVENTION

### ETR (REACTORS)

USE ENGINEERING TEST REACTORS

### ETTINGSHAUSEN COOLERS

USE ETTINGSHAUSEN EFFECT  
THERMOELECTRIC COOLING

### ETTINGSHAUSEN EFFECT

UF ETTINGSHAUSEN COOLERS  
RT COOLING SYSTEMS  
∞ EFFECTS  
TEMPERATURE EFFECTS  
THERMOELECTRIC COOLING  
THERMOELECTRICITY  
THERMOMAGNETIC COOLING  
THERMOMAGNETIC EFFECTS

### EUCLIDEAN GEOMETRY

UF EUCLIDEAN SPACE  
GS GEOMETRY  
EUCLIDEAN GEOMETRY  
ANALYTIC GEOMETRY  
CATENARIES  
CIRCUMFERENCES  
CONICS  
ELLIPSES

# EUROPEAN SPACE AGENCY

## EUCLIDEAN GEOMETRY-(CONT.)

... HYPERBOLAS  
... PARABOLAS  
... CYCLOIDS  
... EPICYCLOIDS  
... LOCI  
... MERCATOR PROJECTION  
... QUADRANTS  
... S CURVES  
... GOMPERTZ CURVES  
... SPHEROIDS  
... OBLATE SPHEROIDS  
... PROLATE SPHEROIDS  
... TANGENTS  
... TORUSES  
... TRIGONOMETRY  
... ANGLES (GEOMETRY)  
... ANGLE OF ATTACK  
... ZERO ANGLE OF ATTACK  
... BRAGG ANGLE  
... BREWSTER ANGLE  
... DIHEDRAL ANGLE  
... ELEVATION ANGLE  
... LOOK ANGLES (ELECTRONICS)  
... LOOK ANGLES (TRACKING)  
... SWEEP ANGLE  
... SWEEPBACK  
... LEADING EDGE SWEEP  
... CARTESIAN COORDINATES  
... CIRCLES (GEOMETRY)  
... GREAT CIRCLES  
... DESCRIPTIVE GEOMETRY  
... LINES (GEOMETRY)  
... CHORDS (GEOMETRY)  
... GEODESIC LINES  
... POINTS (MATHEMATICS)  
... FIXED POINTS (MATHEMATICS)  
... INFLECTION POINTS  
... POLYGONS  
... HEXAGONS  
... TETRAGONS  
... PARALLELOGRAMS  
... RHOMBOIDS  
... RECTANGLES  
... SQUARES (MATHEMATICS)  
... TRAPEZOIDS  
... TRIANGLES  
... POLYHEDRONS  
... CUBES (MATHEMATICS)  
... ICOSAHEDRONS  
... OCTAHEDRONS  
... PARALLELEPIPEDS  
... PYRAMIDS  
... RHOMBOHEDRONS  
... TETRAHEDRONS  
... PROJECTIVE GEOMETRY  
... MERCATOR PROJECTION  
... RADII  
... LARMOR RADIUS  
RT COORDINATES  
CURVES (GEOMETRY)  
PHASE-SPACE INTEGRAL  
POLYTOPES  
RIEMANN MANIFOLD  
SOBOLEV SPACE  
SPHERES

## EUCLIDEAN SPACE

USE EUCLIDEAN GEOMETRY

## EUDIOMETERS

GS MEASURING INSTRUMENTS  
... EUDIOMETERS  
RT GAS MIXTURES  
SPARK IGNITION

## EUGLENA

GS ANIMALS  
... PROTOZOA  
... FLAGELLATA  
... EUGLENA  
... MICROORGANISMS  
... PROTOZOA  
... FLAGELLATA  
... EUGLENA  
RT ALGAE

## EUKARYOTES

GS CELLS (BIOLOGY)  
... EUKARYOTES  
RT BACTERIA  
BIOLOGICAL EVOLUTION  
CYTOLOGY  
MOLECULAR BIOLOGY  
PROKARYOTES

## EULER BUCKLING

GS BUCKLING  
... EULER BUCKLING  
RT STRESS ANALYSIS

## EULER EQUATIONS OF MOTION

GS EQUATIONS OF MOTION  
... EULER EQUATIONS OF MOTION  
RT EQUATIONS  
HYDRODYNAMICS  
MOMENTS OF INERTIA  
PRIMITIVE EQUATIONS  
RIGID STRUCTURES

## EULER-Cauchy EQUATIONS

GS ANALYSIS (MATHEMATICS)  
... REAL VARIABLES  
... DIFFERENTIAL EQUATIONS  
... PARTIAL DIFFERENTIAL EQUATIONS  
... EULER-CAUCHY EQUATIONS  
RT COMPLEX VARIABLES  
CONFORMAL MAPPING  
EQUATIONS  
VECTOR ANALYSIS

## EULER-LAGRANGE EQUATION

UF LAGRANGE EQUATIONS OF MOTION  
RT CALCULUS OF VARIATIONS  
CASTIGLIANO VARIATIONAL THEOREM  
CLASSICAL MECHANICS  
EQUATIONS  
EXTREMUM VALUES

## EULER-LAMBERT EQUATION

RT ELLIPTICAL ORBITS  
EQUATIONS

## EURECA (ESA)

UF EUROPEAN RETRIEVABLE CARRIER  
GS SPACE PLATFORMS  
... EURECA (ESA)  
RT SPACE SHUTTLES

## EUROPA

GS CELESTIAL BODIES  
... NATURAL SATELLITES  
... ICY SATELLITES  
... EUROPA  
... JUPITER SATELLITES  
... GALILEAN SATELLITES  
... EUROPA  
RT CHARON  
JUPITER (PLANET)

## EUROPA LAUNCH VEHICLES

GS LAUNCH VEHICLES  
... EUROPA LAUNCH VEHICLES  
... EUROPA 1 LAUNCH VEHICLE  
... EUROPA 2 LAUNCH VEHICLE  
... EUROPA 3 LAUNCH VEHICLE  
... EUROPA 4 LAUNCH VEHICLE  
RT ARIANE LAUNCH VEHICLE  
ELDO LAUNCH VEHICLE  
EUROPEAN SPACE AGENCY  
EUROPEAN SPACE PROGRAMS  
VEHICLES

## EUROPA 1 LAUNCH VEHICLE

GS LAUNCH VEHICLES  
... EUROPA LAUNCH VEHICLES  
... EUROPA 1 LAUNCH VEHICLE

## EUROPA 2 LAUNCH VEHICLE

GS LAUNCH VEHICLES  
... EUROPA LAUNCH VEHICLES  
... EUROPA 2 LAUNCH VEHICLE  
RT COS-B SATELLITE

## EUROPA 3 LAUNCH VEHICLE

GS LAUNCH VEHICLES  
... EUROPA LAUNCH VEHICLES  
... EUROPA 3 LAUNCH VEHICLE

## EUROPA 4 LAUNCH VEHICLE

GS LAUNCH VEHICLES  
... EUROPA LAUNCH VEHICLES  
... EUROPA 4 LAUNCH VEHICLE

## EUROPE

GS CONTINENTS  
... EUROPE  
RT ALBANIA  
ALPS MOUNTAINS (EUROPE)  
ANDORRA

## EUROPE-(CONT.)

AUSTRIA  
BALTIC SHIELD (EUROPE)  
BELGIUM  
BULGARIA  
CARPATHIAN MOUNTAINS (EUROPE)  
CENTRAL EUROPE  
CZECHOSLOVAKIA  
DENMARK  
EAST GERMANY  
ESTONIA  
FINLAND  
FRANCE  
GREECE  
HUNGARY  
ITALY  
LATVIA  
LIECHTENSTEIN  
LITHUANIA  
LUXEMBOURG  
MONACO  
NATIONS  
NETHERLANDS  
NORWAY  
POLAND  
PORTUGAL  
ROMANIA  
SAN MARINO  
SPAIN  
SWEDEN  
SWITZERLAND  
TURKEY  
U.S.S.R.  
UNITED KINGDOM  
VATICAN CITY  
WEST GERMANY  
YUGOSLAVIA

## EUROPEAN AIRBUS

UF AIRBUS  
GS COMMERCIAL AIRCRAFT  
... EUROPEAN AIRBUS  
... A-300 AIRCRAFT  
... A-310 AIRCRAFT  
... A-320 AIRCRAFT  
JET AIRCRAFT  
... EUROPEAN AIRBUS  
... A-300 AIRCRAFT  
... A-310 AIRCRAFT  
... A-320 AIRCRAFT  
PASSENGER AIRCRAFT  
... EUROPEAN AIRBUS  
... A-300 AIRCRAFT  
... A-310 AIRCRAFT  
... A-320 AIRCRAFT  
TRANSPORT AIRCRAFT  
... SHORT HAUL AIRCRAFT  
... EUROPEAN AIRBUS  
... A-300 AIRCRAFT  
... A-310 AIRCRAFT  
... A-320 AIRCRAFT  
RT AIRCRAFT  
INTERNATIONAL COOPERATION

## EUROPEAN COMMUNICATIONS SATELLITE

UF ECS  
GS ARTIFICIAL SATELLITES  
... COMMUNICATION SATELLITES  
... EUROPEAN COMMUNICATIONS  
SATELLITE  
... ESA SATELLITES  
... EUROPEAN COMMUNICATIONS  
SATELLITE  
ESA SPACECRAFT  
... ESA SATELLITES  
... EUROPEAN COMMUNICATIONS  
SATELLITE  
RT EUROPEAN SPACE PROGRAMS  
OTS (ESA)

## EUROPEAN INCOHERENT SCATTER RADAR

USE EISCAT RADAR SYSTEM (EUROPE)

## EUROPEAN LARGE TELECOMM SATELLITE

USE L-SAT

## EUROPEAN RETRIEVABLE CARRIER

USE EURECA (ESA)

## EUROPEAN SPACE AGENCY

UF ESA  
ESRO  
EUROPEAN SPACE RESEARCH  
ORGANIZATION  
GS ORGANIZATIONS

## EUROPEAN SPACE PROGRAMS

### EUROPEAN SPACE AGENCY-(CONT.)

RT ARIANE LAUNCH VEHICLE  
ELDO LAUNCH VEHICLE  
ERS-1 (ESA SATELLITE)  
ESA SATELLITES  
ESRO 1 SATELLITE  
ESRO 2 SATELLITE  
ESRO 4 SATELLITE  
EUROPA LAUNCH VEHICLES  
EUROPEAN SPACE PROGRAMS  
EXPOS (SPACELAB PAYLOAD)  
GEOSARI PROJECT  
ICL COMPUTERS  
LIRTS (TELESCOPE)  
MAROTS (ESA)  
METEOSAT SATELLITE  
SPACE PROGRAMS

### EUROPEAN SPACE PROGRAMS

GS PROGRAMS  
SPACE PROGRAMS  
EUROPEAN SPACE PROGRAMS  
RT AEROSAT SATELLITES  
AMPTE (SATELLITES)  
ARIANE LAUNCH VEHICLE  
AZUR SATELLITE  
COMMITTEE ON SPACE RESEARCH  
COS-B SATELLITE  
DIAL SATELLITE  
EARTHNET  
ESA SATELLITES  
ESRO 1 SATELLITE  
ESRO 2 SATELLITE  
ESRO 4 SATELLITE  
EUROPA LAUNCH VEHICLES  
EUROPEAN COMMUNICATIONS  
SATELLITE  
EUROPEAN SPACE AGENCY  
EXOSAT SATELLITE  
FOREIGN POLICY  
FRENCH SATELLITES  
FRENCH SPACE PROGRAMS  
GEOS SATELLITES (ESA)  
HEOS SATELLITES  
HIPPARCOS SATELLITE  
INFRARED SPACE OBSERVATORY (ISO)  
INTERNATIONAL MAGNETOSPHERIC  
STUDY  
INTERNATIONAL SATELLITE GEODESY  
EXPERIMENT  
IRIS SATELLITES  
ITALIAN SPACE PROGRAM  
MARECS MARITIME SATELLITES  
METEOSAT SATELLITE  
OTS (ESA)  
QUASAT  
SPACE MISSIONS  
SWEDISH SPACE PROGRAM  
SWISS SPACE PROGRAM  
SYMPHONIE SATELLITES  
U.S.S.R. SPACE PROGRAM

### EUROPEAN SPACE RESEARCH ORGANIZATION

USE EUROPEAN SPACE AGENCY

### EUROPEAN SPACE RESEARCH ORGANIZATION

SAT  
USE ESA SATELLITES

### EUROPEAN 1 SPACECRAFT

GS ARTIFICIAL SATELLITES  
EUROPEAN 1 SPACECRAFT  
RT ELDO LAUNCH VEHICLE

### EUROPIUM

GS CHEMICAL ELEMENTS  
RARE EARTH ELEMENTS  
EUROPIUM  
EUROPIUM ISOTOPES  
METALS  
RARE EARTH ELEMENTS  
EUROPIUM  
EUROPIUM ISOTOPES

### EUROPIUM COMPOUNDS

GS RARE EARTH COMPOUNDS  
EUROPIUM COMPOUNDS  
RT CHEMICAL COMPOUNDS  
METAL COMPOUNDS

### EUROPIUM ISOTOPES

GS CHEMICAL ELEMENTS  
NUCLIDES  
ISOTOPES

### EUROPIUM ISOTOPES-(CONT.)

EUROPIUM ISOTOPES  
RARE EARTH ELEMENTS  
EUROPIUM  
EUROPIUM ISOTOPES  
METALS  
RARE EARTH ELEMENTS  
EUROPIUM  
EUROPIUM ISOTOPES

### EUSTACHIAN TUBES

GS ANATOMY  
SENSE ORGANS  
EAR  
EUSTACHIAN TUBES  
RT EARDRUMS  
TUBES

### EUTECTIC ALLOYS

GS ALLOYS  
EUTECTIC ALLOYS  
BINARY SYSTEMS (MATERIALS)  
BINARY MIXTURES  
EUTECTICS  
EUTECTIC ALLOYS  
MIXTURES  
BINARY MIXTURES  
EUTECTICS  
EUTECTIC ALLOYS  
ALLOYING  
BISMUTH ALLOYS  
LAMELLA (METALLURGY)  
SUPERPLASTICITY  
WHISKER COMPOSITES

### EUTECTIC COMPOSITES

GS COMPOSITE MATERIALS  
METAL MATRIX COMPOSITES  
EUTECTIC COMPOSITES  
RT ALLOYS  
DIRECTIONAL SOLIDIFICATION  
(CRYSTALS)  
EUTECTICS  
FRACTURE STRENGTH  
MATRICES  
METALS  
MIXTURES  
PRECIPITATION HARDENING

### EUTECTIC DIAGRAMS

USE PHASE DIAGRAMS

### EUTECTICS

GS BINARY SYSTEMS (MATERIALS)  
BINARY MIXTURES  
EUTECTICS  
EUTECTIC ALLOYS  
MIXTURES  
BINARY MIXTURES  
EUTECTICS  
EUTECTIC ALLOYS  
ALLOYING  
ALLOYS  
EUTECTIC COMPOSITES  
LIQUID PHASES  
PHASE DIAGRAMS  
SOLID PHASES  
SOLUTIONS  
SYNTECTIC ALLOYS

### EUTROPHICATION

RT ENVIRONMENT EFFECTS  
LAKES  
NUTRIENTS

### EUVE

USE EXTREME ULTRAVIOLET EXPLORER  
SATELLITE

### EUXENITE

GS MINERALS  
EUXENITE  
RT NIOBATES  
OXIDES  
TITANATES

### EVACUATING

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED-CONSULT THE TERMS  
LISTED BELOW)  
RT EVACUATING (TRANSPORTATION)  
EVACUATING (VACUUM)

### EVACUATING (TRANSPORTATION)

SN (LIMITED TO CLEARANCE OF  
PERSONNEL, ANIMALS, OR MATERIAL  
FROM A GIVEN LOCALITY)  
RT C-9 AIRCRAFT  
CASUALTIES  
CIVIL DEFENSE  
EJECTION  
ELIMINATION  
EVACUATING  
HOSPITALS  
MOBILE QUARANTINE FACILITY  
REMOVAL  
TRANSPORTATION  
UNLOADING

### EVACUATING (VACUUM)

UF GAS EVACUATING  
RT DRAINAGE  
EJECTION  
ELIMINATION  
EVACUATING  
EXHAUSTING  
GAS POCKETS  
PURGING  
REMOVAL  
SUCTION  
VACUUM  
VACUUM PUMPS  
VENTING  
VENTS

### EVAL

USE EARTH VIEWING APPLICATIONS  
LABORATORY

### EVALUATION

GS EVALUATION  
TRAINING EVALUATION  
RT ACCELERATED LIFE TESTS  
ACCEPTABILITY  
ANALYZING  
APPROACH AND LANDING TESTS (STS)  
ASSESSMENTS  
CERTIFICATION  
CLASSIFYING  
COMPARISON  
COMPUTER SYSTEMS PERFORMANCE  
CORRELATION  
COSTS  
CRITERIA  
CROP IDENTIFICATION  
DISCUSSION  
ECONOMICS  
ESTIMATES  
ESTIMATING  
EXAMINATION  
FEASIBILITY  
FIGURE OF MERIT  
FORECASTING  
INDICATION  
INSPECTION  
MANAGEMENT  
MEASUREMENT  
NORMALIZING (STATISTICS)  
OBSERVATION  
PERFORMANCE  
PERFORMANCE PREDICTION  
POSITION (TITLE)  
PROVING  
QUALITY  
RANKING  
RATINGS  
REJECTION  
RESERVES  
REVIEWING  
SELECTION  
STATISTICAL CORRELATION  
TECHNOLOGY ASSESSMENT  
TESTS  
TIMBER IDENTIFICATION  
VALUE

### EVANESCENCE

RT EVAPORATION  
SURFACE PROPERTIES  
TRANSPIRATION

### EVAPORATION

GS PHASE TRANSFORMATIONS  
VAPORIZING  
EVAPORATION  
EVAPOTRANSPIRATION  
PROPELLANT EVAPORATION  
TRANSPIRATION

**EVAPORATION-(CONT.)**

RT BOILING  
CONCENTRATING  
CONDENSING  
DEHYDRATION  
DIFFUSION  
DISTILLATION  
DRYING  
EVANESCENCE  
EVAPORATIVE COOLING  
EVAPOROGRAPHY  
FLASHING (VAPORIZING)  
GAS-LIQUID INTERACTIONS  
GAS-METAL INTERACTIONS  
HYDROLOGICAL CYCLE  
LIQUID-VAPOR INTERFACES  
PERSPIRATION  
RESERVOIRS  
RESPIRATORY SYSTEM  
∞ SEPARATION  
SKIN (ANATOMY)  
SUBLIMATION  
VOLATILITY  
WATER LOSS

**EVAPORATION RATE**

GS RATES (PER TIME)  
RT **EVAPORATION RATE**  
HEAT TRANSFER COEFFICIENTS

**EVAPORATIVE COOLING**

GS COOLING  
∞ **EVAPORATIVE COOLING**  
∞ FILM COOLING  
∞ SWEAT COOLING  
RT COOLING SYSTEMS  
CRYOGENIC FLUID STORAGE  
EVAPORATION  
PROPELLANT EVAPORATION  
SURFACE COOLING

**EVAPORATORS**

GS HEATING EQUIPMENT  
VAPORIZERS  
∞ **EVAPORATORS**  
SEPARATORS  
RT **EVAPORATORS**  
AIR CONDITIONING EQUIPMENT  
ATOMIZERS  
CONCENTRATORS  
CONDENSERS (LIQUEFIERS)  
COOLING SYSTEMS  
DRYING APPARATUS  
HEAT EXCHANGERS  
REFRIGERATING MACHINERY

**EVAPOROGRAPHY**

RT EVAPORATION  
IMAGES  
INFRARED RADIATION  
PHOTOGRAPHY

**EVAPOTRANSPIRATION**

GS PHASE TRANSFORMATIONS  
VAPORIZING  
∞ EVAPORATION  
∞ **EVAPOTRANSPIRATION**  
RT TRANSPIRATION  
VADOSE WATER

**EVASIVE ACTIONS**

GS MANEUVERS  
∞ **EVASIVE ACTIONS**  
RT ELECTRONIC WARFARE  
OBSTACLE AVOIDANCE  
TACTICS  
WARFARE

**EVASIVE SATELLITES**

GS ARTIFICIAL SATELLITES  
∞ **EVASIVE SATELLITES**  
MANEUVERABLE SPACECRAFT  
RT **EVASIVE SATELLITES**  
MILITARY SPACECRAFT

**EVECTION**

USE LUNAR ORBITS  
ORBIT PERTURBATION  
SOLAR GRAVITATION

**EVEN-EVEN NUCLEI**

GS PARTICLES  
CHARGED PARTICLES  
ENERGETIC PARTICLES

**EVEN-EVEN NUCLEI-(CONT.)**

∞ NUCLEI (NUCLEAR PHYSICS)  
∞ **EVEN-EVEN NUCLEI**  
RT NUCLEAR STRUCTURE  
ODD-EVEN NUCLEI  
ODD-ODD NUCLEI

**EVENING**

RT DAYTIME  
NIGHT  
SUNSET

**EVENTS**

GS **EVENTS**  
CONSECUTIVE EVENTS  
RT OCCURRENCES  
PROBABILITY DENSITY FUNCTIONS  
PROBABILITY THEORY  
STATISTICAL ANALYSIS  
STATISTICAL DISTRIBUTIONS  
STOCHASTIC PROCESSES

**EVERGLADES (FL)**

RT FLORIDA

**EVOKE RESPONSE (PSYCHOPHYSIOLOGY)**

RT PHYSIOLOGICAL RESPONSES  
PSYCHOPHYSIOLOGY

**EVOLUTION**

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT BIOGENY  
CHEMICAL EVOLUTION  
EVOLUTION (DEVELOPMENT)  
EVOLUTION (LIBERATION)  
EXISTENCE

**EVOLUTION (DEVELOPMENT)**

GS **EVOLUTION (DEVELOPMENT)**  
BIOLOGICAL EVOLUTION  
ABIOGENESIS  
CHEMICAL EVOLUTION  
GALACTIC EVOLUTION  
LUNAR EVOLUTION  
PLANETARY EVOLUTION  
STELLAR EVOLUTION  
STAR FORMATION  
STELLAR MASS ACCRETION  
RT ∞ BIOLOGY  
∞ DEVELOPMENT  
∞ EVOLUTION  
EXTINCTION  
GENE EXPRESSION  
GENETICS  
GROWTH  
HEREDITY  
INTERSTELLAR EXTINCTION  
ONTOGENY  
SPECIES DIFFUSION

**EVOLUTION (LIBERATION)**

GS **EVOLUTION (LIBERATION)**  
GAS EVOLUTION  
RT BOILING  
DESORPTION  
∞ EVOLUTION  
OUTGASSING  
TRANSPIRATION  
VAPORIZING

**EXACTNESS**

USE PRECISION

**EXAMINATION**

GS **EXAMINATION**  
EYE EXAMINATIONS  
RT ACCEPTABILITY  
ANALYZING  
CHARACTERIZATION  
CLINICAL MEDICINE  
COMPARISON  
CONICAL SCANNING  
DETECTION  
DIAGNOSIS  
∞ DISCUSSION  
EVALUATION  
EXPLORATION  
INSPECTION  
INVESTIGATION  
∞ MEASUREMENT  
OBSERVATION  
∞ PERFORMANCE

**EXAMINATION-(CONT.)**

PROVING  
REVIEWING  
SCANNING  
∞ TESTS  
TRAINING EVALUATION  
ULTRASONIC FLAW DETECTION

**EXCAVATION**

UF DITCHING (EXCAVATION)  
GS **EXCAVATION**  
TUNNELING (EXCAVATION)  
RT BOREHOLES  
CONSTRUCTION  
∞ DITCHING  
DRAINAGE  
EXPLORATION  
FOUNDATIONS  
MATERIALS HANDLING  
MINERAL DEPOSITS  
MINERAL EXPLORATION  
MINING  
PITS (EXCAVATIONS)  
STRIP MINING  
UNDERGROUND STRUCTURES

**EXCHANGERS**

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT HEAT EXCHANGERS

**EXCHANGING**

GS **EXCHANGING**  
CHARGE EXCHANGE  
RESONANCE CHARGE EXCHANGE  
GAS EXCHANGE  
ION EXCHANGING  
SPIN EXCHANGE  
RT ∞ CONVERSION  
DEIONIZATION  
∞ SEPARATION  
∞ SHIFT  
TRANSFERRING

**EXCIMER LASERS**

GS STIMULATED EMISSION DEVICES  
LASERS  
GAS LASERS  
∞ **EXCIMER LASERS**  
RT ELECTRON PUMPING  
FLUORIDES  
HALOGENS  
LASER OUTPUTS  
LASING  
OPTICAL PUMPING  
∞ RARE GAS COMPOUNDS  
XENON CHLORIDE LASERS  
XENON FLUORIDE LASERS

**EXCIMERS**

RT ELECTRON ORBITALS  
ELECTRON STATES  
ELECTRON TRANSITIONS  
INTERMOLECULAR FORCES  
MOLECULAR ENERGY LEVELS  
∞ RARE GAS COMPOUNDS

**EXCITATION**

UF EXCITED STATES  
GS **EXCITATION**  
ATOMIC EXCITATIONS  
MOLECULAR EXCITATION  
SELF EXCITATION  
WAVE EXCITATION  
ACOUSTIC EXCITATION  
HARMONIC EXCITATION  
RT ACTIVATION  
ACTUATION  
ATOMIC ENERGY LEVELS  
AURORAL IONIZATION  
AURORAL IRRADIATION  
ELECTROMAGNETIC ABSORPTION  
ELECTRON STATES  
ELECTRON TRANSITIONS  
EMISSION  
ENERGY LEVELS  
IONIZATION  
IRRADIATION  
LASER INDUCED FLUORESCENCE  
METASTABLE STATE  
RADIATION TRAPPING  
RELAXATION TIME  
ROTONS  
STARTING

## EXCITED STATES

### EXCITATION-(CONT.)

TRANSITION PROBABILITIES

### EXCITED STATES

USE EXCITATION

### EXCITONS

GS ELEMENTARY EXCITATIONS  
. EXCITONS  
RT CARRIER MOBILITY  
ELECTRICAL INSULATION  
ELECTRONS  
ENERGY BANDS  
HOLES (ELECTRON DEFICIENCIES)  
IONIC CRYSTALS  
LIGHT (VISIBLE RADIATION)  
OPTICAL PROPERTIES  
PHOTOELECTROMAGNETIC EFFECTS  
PLASMONS  
POSITRONIUM  
SEMICONDUCTORS (MATERIALS)  
SPECTRA  
SUHL EFFECT

### EXCLUSION

RT ELIMINATION  
ISOLATION  
PAULI EXCLUSION PRINCIPLE  
REJECTION  
∞ SEPARATION

### EXCRETION

RT EXPULSION  
FECES  
HUMAN WASTES  
PERSPIRATION  
URINE

### EXECUTIVE AIRCRAFT

USE GENERAL AVIATION AIRCRAFT  
PASSENGER AIRCRAFT

### EXECUTIVE SYSTEMS (COMPUTERS)

USE OPERATING SYSTEMS (COMPUTERS)

### EXERCISE

USE PHYSICAL EXERCISE

### EXERCISE PHYSIOLOGY

GS PHYSIOLOGY  
. EXERCISE PHYSIOLOGY  
RT CIRCULATORY SYSTEM  
HUMAN BODY  
LOCOMOTION  
MUSCULAR TONUS  
PHYSICAL FITNESS  
PHYSIOCHEMISTRY  
PHYSIOLOGICAL EFFECTS  
RESPIRATORY PHYSIOLOGY  
SPORTS MEDICINE  
STRESS (PHYSIOLOGY)

### EXERTION

USE PHYSICAL WORK

### EXHALATION

RT ALVEOLAR AIR  
EXPIRED AIR  
RESPIROMETERS

### EXHAUST CLOUDS

UF GROUND CLOUDS  
LAUNCH CLOUDS  
RT AEROSOLS  
∞ CLOUDS  
EXHAUST GASES  
LAUNCH VEHICLES  
LAUNCHING  
LAUNCHING SITES  
ROCKET EXHAUST  
ROCKET LAUNCHING

### EXHAUST DIFFUSERS

RT CONICAL NOZZLES  
∞ DIFFUSERS  
EJECTORS  
∞ JET NOZZLES  
SUPERSONIC DIFFUSERS  
VANELESS DIFFUSERS

### EXHAUST EMISSION

GS EMISSION  
. EXHAUST EMISSION  
RT GAS-GAS INTERACTIONS

### EXHAUST EMISSION-(CONT.)

GAS-METAL INTERACTIONS  
HIGH TEMPERATURE GASES  
INFRARED RADIATION  
JET EXHAUST  
PARTICLE EMISSION  
POLLUTION TRANSPORT  
RELEASING  
THERMAL EMISSION

### EXHAUST FLOW SIMULATION

GS SIMULATION  
. EXHAUST FLOW SIMULATION  
. . . ATMOSPHERIC ENTRY SIMULATION  
RT FLOW DISTRIBUTION  
MATHEMATICAL MODELS  
WIND TUNNELS

### EXHAUST GASES

UF EXHAUST JETS  
GS GASES  
. EXHAUST GASES  
. . . FLUE GASES  
RT AIR POLLUTION  
∞ BLASTS  
COMBUSTION EFFICIENCY  
COMBUSTION PRODUCTS  
DILUENTS  
EFFLUENTS  
ENVIRONMENT EFFECTS  
EROSIVE BURNING  
EXHAUST CLOUDS  
EXHAUSTING  
FUMES  
GAS MIXTURES  
GAS RECOVERY  
INFRARED SUPPRESSION  
JET BLAST EFFECTS  
JET EXHAUST  
NOZZLE FLOW  
ODORS  
PARTICULATES  
POLLUTION TRANSPORT  
PROPULSION  
REACTION PRODUCTS  
ROCKET EXHAUST  
SMOG  
SMOKE  
SMOKE ABATEMENT  
VAPORS  
WASTE DISPOSAL  
WASTE ENERGY UTILIZATION  
WASTES

### EXHAUST JETS

USE EXHAUST GASES

### EXHAUST NOZZLES

GS EXHAUST NOZZLES  
. CONVERGENT-DIVERGENT NOZZLES  
. . . PLUG NOZZLES  
. . . SPIKE NOZZLES  
. . . TURBINE EXHAUST NOZZLES  
RT AIR DUCTS  
ANNULAR NOZZLES  
BASE HEATING  
CONICAL NOZZLES  
DIVERGENT NOZZLES  
EJECTORS  
∞ FLOW  
INFRARED SUPPRESSION  
INLET NOZZLES  
JET ENGINES  
∞ JET NOZZLES  
NOZZLE FLOW  
NOZZLE INSERTS  
∞ NOZZLES  
OPENINGS  
OUTLETS  
ROCKET ENGINES  
SKIRTS

### EXHAUST SYSTEMS

RT AFTERBURNING  
AIR CONDITIONING  
AIR POLLUTION  
BLOWERS  
CHIMNEYS  
CONDENSERS (LIQUEFIERS)  
COOLING SYSTEMS  
DUCTS  
DUST COLLECTORS  
EJECTORS  
ELIMINATION  
ENGINES

### EXHAUST SYSTEMS-(CONT.)

EXHAUSTING  
FLUES  
FUEL TANK PRESSURIZATION  
INTAKE SYSTEMS  
INTERNAL COMBUSTION ENGINES  
MANIFOLDS  
MUFFLERS  
OPENINGS  
OUTLETS  
PIPE NOZZLES  
PLENUM CHAMBERS  
PORTS (OPENINGS)  
ROCKET EXHAUST  
∞ SYSTEMS  
TEMPERATURE CONTROL  
VENTILATION  
VENTILATORS  
VENTS  
WASTE DISPOSAL

### EXHAUST VELOCITY

GS RATES (PER TIME)  
. EXHAUST VELOCITY  
VELOCITY  
RT . EXHAUST VELOCITY  
ACOUSTIC VELOCITY  
CRITICAL VELOCITY  
EXPULSION  
FLOW VELOCITY

### EXHAUSTING

RT BLOWING  
BREATHING VIBRATION  
CONSUMPTION  
DECONTAMINATION  
∞ DISCHARGE  
DISPERSING  
DISPOSAL  
DISSIPATION  
EJECTION  
ELIMINATION  
EVACUATING (VACUUM)  
EXHAUST GASES  
EXHAUST SYSTEMS  
RELIEVING  
REMOVAL  
VENTILATION  
VENTING

### EXHAUSTION

RT CONSUMPTION  
DEPLETION  
FATIGUE (BIOLOGY)  
HYPERKINESIA

### EXISTENCE

RT COSMOLOGY  
∞ EVOLUTION  
LIFE SPAN  
VALIDITY

### EXISTENCE THEOREMS

GS ANALYSIS (MATHEMATICS)  
. REAL VARIABLES  
. . . EXISTENCE THEOREMS  
THEOREMS  
RT . EXISTENCE THEOREMS  
PROBLEM SOLVING  
ROOTS OF EQUATIONS

### EXITS (DOORS)

USE DOORS

### EXO BIOLOGY

UF ASTROBIOLOGY  
SPACE BIOLOGY  
RT AEROSPACE ENVIRONMENTS  
APOLLO EXTENSION SYSTEM  
BIOASTRONAUTICS  
∞ BIOLOGY  
CARBONACEOUS METEORITES  
CHEMICAL EVOLUTION  
ENVIRONMENT MODELS  
EXTRATERRESTRIAL LIFE  
LIFE SUPPORT SYSTEMS  
LUNAR ENVIRONMENT  
PANSPERMIA  
PLANETARY ENVIRONMENTS  
SPACECRAFT CONTAMINATION  
SPACECRAFT ENVIRONMENTS  
SPACECRAFT STERILIZATION

### EXOPHORIA

USE HETEROPHORIA

## EXPERIMENTAL GAS COOLED REACTORS

### EXOS SATELLITES

GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . . **EXOS SATELLITES**  
 . . . EXOS-A SATELLITE  
 . . . EXOS-B SATELLITE  
 . . . EXOS-C SATELLITE  
 JAPANESE SPACECRAFT  
 . **EXOS SATELLITES**  
 . . . EXOS-A SATELLITE  
 . . . EXOS-B SATELLITE  
 . . . EXOS-C SATELLITE

### EXOS SOUNDING ROCKET

GS ROCKET VEHICLES  
 . MULTISTAGE ROCKET VEHICLES  
 . . . **EXOS SOUNDING ROCKET**  
 . . . SOUNDING ROCKETS  
 . . . **EXOS SOUNDING ROCKET**  
 RT HONEST JOHN ROCKET VEHICLE  
 NIKE-AJAX MISSILE  
 SOLID PROPELLANT ROCKET ENGINES  
 XM-33 ENGINE

### EXOS-A SATELLITE

GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . . EXOS SATELLITES  
 . . . **EXOS-A SATELLITE**  
 JAPANESE SPACECRAFT  
 . EXOS SATELLITES  
 . . . **EXOS-A SATELLITE**

### EXOS-B SATELLITE

UF JIKIKEN SATELLITE  
 GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . . EXOS SATELLITES  
 . . . **EXOS-B SATELLITE**  
 JAPANESE SPACECRAFT  
 . EXOS SATELLITES  
 . . . **EXOS-B SATELLITE**

### EXOS-C SATELLITE

UF OHZORA SATELLITE  
 GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . . EXOS SATELLITES  
 . . . **EXOS-C SATELLITE**  
 JAPANESE SPACECRAFT  
 . EXOS SATELLITES  
 . . . **EXOS-C SATELLITE**

### EXOSAT SATELLITE

UF HELOS (SATELLITE)  
 HIGH ECCENTRIC LUNAR OCCULTATION  
 SATELLITE  
 GS ARTIFICIAL SATELLITES  
 . ESA SATELLITES  
 . . . **EXOSAT SATELLITE**  
 . . . SCIENTIFIC SATELLITES  
 . . . **EXOSAT SATELLITE**  
 ESA SPACECRAFT  
 . ESA SATELLITES  
 . . . **EXOSAT SATELLITE**  
 RT ECCENTRIC ORBITS  
 EUROPEAN SPACE PROGRAMS  
 LUNAR OCCULTATION  
 X RAY ASTRONOMY  
 X RAY SOURCES

### EXOSKELETONS

RT ANATOMY  
 ARTHROPODS  
 BODY COMPOSITION (BIOLOGY)  
 BONES  
 CONNECTIVE TISSUE  
 MUSCULOSKELETAL SYSTEM  
 PHYSIOLOGY

### EXOSPHERE

SN (ALTITUDES ABOVE APPROXIMATELY  
 500 KM)  
 GS EARTH ATMOSPHERE  
 . UPPER ATMOSPHERE  
 . . . **EXOSPHERE**  
 RT EARTH IONOSPHERE  
 EARTH MAGNETOSPHERE  
 HETEROSPHERE  
 RADIATION BELTS  
 THERMOSPHERE

### EXOTHERMIC REACTIONS

GS CHEMICAL REACTIONS  
 . **EXOTHERMIC REACTIONS**

### EXOTHERMIC REACTIONS-(CONT.)

RT ASSOCIATION REACTIONS  
 COMBUSTION  
 COMBUSTION CHEMISTRY  
 ENDOTHERMIC REACTIONS  
 INCENDIARY AMMUNITION  
 PYROLYSIS  
 THERMAL DECOMPOSITION

### EXPANDABLE STRUCTURES

GS **EXPANDABLE STRUCTURES**  
 . BELLOWS  
 . INFLATABLE STRUCTURES  
 . . . AIR BAG RESTRAINT DEVICES  
 . . . BALLOONS  
 . . . HIGH ALTITUDE BALLOONS  
 . . . JIMSPHERE BALLOONS  
 . . . SKYHOOK BALLOONS  
 . . . SUPERPRESSURE BALLOONS  
 . . . METEOROLOGICAL BALLOONS  
 . . . JIMSPHERE BALLOONS  
 . . . ROBIN BALLOONS  
 . . . MICROBALLOONS  
 . . . TETHERED BALLOONS  
 . BALLUTES  
 . GAS BAGS  
 . INFLATABLE GLIDERS  
 . INFLATABLE SPACECRAFT  
 . . . BEACON SATELLITES  
 . . . BEACON EXPLORER A  
 . . . EXPLORER 22 SATELLITE  
 . . . PARAVULCOONS  
 RT EXPULSION BLADDERS  
 FOLDING STRUCTURES  
 LARGE SPACE STRUCTURES  
 ORBITAL ASSEMBLY  
 SPACE ERECTABLE STRUCTURES  
 ∞SPACECRAFT  
 ∞STRUCTURES  
 VARIABLE GEOMETRY STRUCTURES

### EXPANSION

UF ENLARGING  
 GS **EXPANSION**  
 . GAS EXPANSION  
 . KARHUNEN-LOEVE EXPANSION  
 . PRANDTL-MEYER EXPANSION  
 . SERIES EXPANSION  
 . THERMAL EXPANSION  
 RT ADIABATIC CONDITIONS  
 DISTORTION  
 ELONGATION  
 EXTENSIONS  
 INFLATING  
 RAREFACTION  
 RELAXATION (MECHANICS)  
 SWELLING  
 THERMAL BUCKLING

### EXPANSION WAVES

USE ELASTIC WAVES

### EXPECTANCY HYPOTHESIS

GS HYPOTHESES  
 . **EXPECTANCY HYPOTHESIS**  
 RT MONTE CARLO METHOD  
 PROBABILITY DENSITY FUNCTIONS  
 STATISTICAL ANALYSIS  
 STATISTICAL DISTRIBUTIONS

### EXPECTATION

RT CONTINGENCY  
 DECISION THEORY  
 FORECASTING  
 RELIABILITY

### EXPEDITIONS

RT EXPLORATION  
 ∞MISSIONS  
 SPACE FLIGHT

### EXPELLANTS

RT COUGH  
 ∞DISCHARGE  
 EXPULSION  
 FLUSHING

### EXPENDABLE STAGES (SPACECRAFT)

RT BOOSTER RECOVERY  
 BOOSTER ROCKET ENGINES  
 ENGINES  
 MULTISTAGE ROCKET VEHICLES  
 RECOVERABLE SPACECRAFT  
 REUSABLE SPACECRAFT  
 ROCKET ENGINES

### EXPENDABLE STAGES (SPACECRAFT)-(CONT.)

SPACE SHUTTLES  
 STAGE SEPARATION

### EXPERIENCE

RT EDUCATION  
 QUALIFICATIONS  
 UPGRADING

### EXPERIMENT DESIGN

SN (LIMITED TO DESIGN OF  
 EXPERIMENTS-EXCLUDES PROTOTYPES)  
 UF DESIGN OF EXPERIMENTS  
 GS **EXPERIMENT DESIGN**  
 . FACTORIAL DESIGN  
 RT COVARIANCE  
 DEGREES OF FREEDOM  
 ∞DESIGN  
 FACTOR ANALYSIS  
 LABORATORIES  
 MATHEMATICAL MODELS  
 OPERATIONS RESEARCH  
 ORTHOGONALITY  
 QUALITY CONTROL  
 REGRESSION ANALYSIS  
 STATISTICAL ANALYSIS  
 SYSTEMS ENGINEERING  
 VARIANCE (STATISTICS)

### EXPERIMENTAL AIRCRAFT

USE RESEARCH AIRCRAFT

### EXPERIMENTAL BOILING WATER REACTORS

UF EBWR (REACTOR)  
 GS NUCLEAR REACTORS  
 . LIQUID COOLED REACTORS  
 . . . WATER COOLED REACTORS  
 . . . BOILING WATER REACTORS  
 . . . **EXPERIMENTAL BOILING WATER REACTORS**  
 . NUCLEAR RESEARCH AND TEST REACTORS  
 . . **EXPERIMENTAL BOILING WATER REACTORS**  
 . WATER MODERATED REACTORS  
 . . **EXPERIMENTAL BOILING WATER REACTORS**

### EXPERIMENTAL BREEDER REACTOR 1

UF EBR-1 REACTOR  
 GS NUCLEAR REACTORS  
 . BREEDER REACTORS  
 . . **EXPERIMENTAL BREEDER REACTOR 1**  
 . FAST NUCLEAR REACTORS  
 . . **EXPERIMENTAL BREEDER REACTOR 1**  
 . LIQUID COOLED REACTORS  
 . . LIQUID METAL COOLED REACTORS  
 . . . **EXPERIMENTAL BREEDER REACTOR 1**  
 . NUCLEAR RESEARCH AND TEST REACTORS  
 . . **EXPERIMENTAL BREEDER REACTOR 1**

### EXPERIMENTAL BREEDER REACTOR 2

UF EBR-2 REACTOR  
 GS NUCLEAR REACTORS  
 . BREEDER REACTORS  
 . . **EXPERIMENTAL BREEDER REACTOR 2**  
 . FAST NUCLEAR REACTORS  
 . . **EXPERIMENTAL BREEDER REACTOR 2**  
 . LIQUID COOLED REACTORS  
 . . LIQUID METAL COOLED REACTORS  
 . . . **EXPERIMENTAL BREEDER REACTOR 2**  
 . NUCLEAR RESEARCH AND TEST REACTORS  
 . . **EXPERIMENTAL BREEDER REACTOR 2**

### EXPERIMENTAL GAS COOLED REACTORS

UF EGCR (REACTOR)  
 GS NUCLEAR REACTORS  
 . GAS COOLED REACTORS  
 . . **EXPERIMENTAL GAS COOLED REACTORS**  
 . NUCLEAR RESEARCH AND TEST REACTORS  
 . . **EXPERIMENTAL GAS COOLED REACTORS**

## EXPERIMENTAL ORGANIC COOLED REACTORS

**EXPERIMENTAL ORGANIC COOLED REACTORS**  
 UF EOCR (REACTOR)  
 GS NUCLEAR REACTORS  
 . LIQUID COOLED REACTORS  
 . ORGANIC COOLED REACTORS  
 . . . **EXPERIMENTAL ORGANIC COOLED REACTORS**  
 . NUCLEAR RESEARCH AND TEST REACTORS  
 . **EXPERIMENTAL ORGANIC COOLED REACTORS**  
 . ORGANIC MODERATED REACTORS  
 . . **EXPERIMENTAL ORGANIC COOLED REACTORS**

**EXPERIMENTAL REFLECTOR ORBITAL SHOT PROJ**  
 UF EROS PROJECT  
 GS PROGRAMS  
 . PROJECTS  
 . . **EXPERIMENTAL REFLECTOR ORBITAL SHOT PROJ**

**EXPERIMENTAL STOL TRANSPORT RSCH AIRPLANE**  
 USE QUESTOL

**EXPERIMENTATION**  
 GS **EXPERIMENTATION**  
 . PHYSICS AND CHEMISTRY EXPERIMENT IN SPACE  
 RT CRITICAL EXPERIMENTS  
 EXPLORATION  
 INVESTIGATION  
 LABORATORIES  
 PHENOMENOLOGY  
 SPACEBORNE EXPERIMENTS

**EXPERT SYSTEMS**  
 UF KNOWLEDGE ENGINEERING  
 GS INTELLIGENCE  
 . ARTIFICIAL INTELLIGENCE  
 . . **EXPERT SYSTEMS**  
 RT COMPUTER PROGRAMMING  
 KNOWLEDGE REPRESENTATION  
 ∞ LOGIC  
 LOGIC PROGRAMMING  
 PROLOG (PROGRAMMING LANGUAGE)

**EXPIRATION**  
 RT ∞ BREATHING  
 DEATH  
 EXPIRED AIR  
 EXPULSION  
 MORTALITY  
 RESPIRATION

**EXPIRED AIR**  
 GS GASES  
 . GAS MIXTURES  
 . . AIR  
 . . . **EXPIRED AIR**  
 MIXTURES  
 . SOLUTIONS  
 . . GAS MIXTURES  
 . . . AIR  
 . . . . **EXPIRED AIR**  
 RT ALVEOLAR AIR  
 EXHALATION  
 EXPIRATION  
 GAS COMPOSITION  
 METABOLIC WASTES  
 REBREATHING  
 RESPIRATION

**EXPLODING CONDUCTOR CIRCUITS**  
 USE CIRCUITS  
 EXPLODING WIRES

**EXPLODING CONDUCTORS**  
 USE EXPLODING WIRES

**EXPLODING WIRES**  
 UF EXPLODING CONDUCTOR CIRCUITS  
 EXPLODING CONDUCTORS  
 GS EXPLOSIVE DEVICES  
 . INITIATORS (EXPLOSIVES)  
 . . **EXPLODING WIRES**  
 IGNITERS  
 . INITIATORS (EXPLOSIVES)  
 . . **EXPLODING WIRES**  
 WIRE  
 . **EXPLODING WIRES**  
 RT BOOSTERS (EXPLOSIVES)

**EXPLODING WIRES-(CONT.)**  
 CAPS (EXPLOSIVES)  
 CONDUCTORS  
 DETONATORS  
 ELECTRIC WIRE  
 PLASMA GENERATORS  
 PRIMERS (EXPLOSIVES)  
 RADIATION TRANSPORT  
 SHOCK WAVES  
 WIRE BRIDGE CIRCUITS

**EXPLOITATION**  
 RT BENEFICIATION  
 DEPLETION  
 ∞ DEVELOPMENT  
 EXPLORATION  
 GEOLOGY  
 LAND USE  
 MINES (EXCAVATIONS)  
 MINING  
 RESERVES  
 STRIP MINING

**EXPLORATION**  
 UF DISCOVERING  
 PROSPECTING  
 GS **EXPLORATION**  
 . LUNAR EXPLORATION  
 . MINERAL EXPLORATION  
 . OIL EXPLORATION  
 . SPACE EXPLORATION  
 RT BOREHOLES  
 DETECTION  
 DRILLING  
 EXAMINATION  
 EXCAVATION  
 EXPEDITIONS  
 EXPERIMENTATION  
 EXPLOITATION  
 GEOLOGICAL SURVEYS  
 GEOLOGY  
 GEOTHERMAL TECHNOLOGY  
 INVESTIGATION  
 MINES (EXCAVATIONS)  
 OSS-1 PAYLOAD  
 RESEARCH  
 RESERVES  
 SAMPLING  
 SPACE FLIGHT  
 SURVEYS  
 UNDERGROUND ACOUSTICS

**EXPLORER SATELLITES**  
 GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . **EXPLORER SATELLITES**  
 . . . APPLICATIONS EXPLORER SATELLITES  
 . . . COSMIC BACKGROUND EXPLORER SATELLITE  
 . . . DUAL AIR DENSITY EXPLORER  
 . . . DYNAMICS EXPLORER SATELLITES  
 . . . . DYNAMICS EXPLORER 1 SATELLITE  
 . . . . DYNAMICS EXPLORER 2 SATELLITE  
 . . . EXPLORER 1 SATELLITE  
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 . . . EXPLORER 30 SATELLITE

**EXPLORER SATELLITES-(CONT.)**  
 . . . EXPLORER 31 SATELLITE  
 . . . EXPLORER 32 SATELLITE  
 . . . EXPLORER 33 SATELLITE  
 . . . EXPLORER 34 SATELLITE  
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 . . . EXPLORER 53 SATELLITE  
 . . . EXPLORER 54 SATELLITE  
 . . . EXPLORER 55 SATELLITE  
 . . . EXTREME ULTRAVIOLET EXPLORER SATELLITE  
 . . . FAR UV SPECTROSCOPIC EXPLORER  
 . . . IMP  
 . . . INTERNATIONAL MAGNETOSPHERIC EXPLORER  
 . . . INTERNATIONAL SUN EARTH EXPLORERS  
 . . . . INTERNATIONAL SUN EARTH EXPLORER 1  
 . . . . INTERNATIONAL SUN EARTH EXPLORER 2  
 . . . . INTERNATIONAL SUN EARTH EXPLORER 3  
 . . . MICROMETEOROID EXPLORER SATELLITES  
 . . . RADIO ASTRONOMY EXPLORER SATELLITE  
 . . . SOLAR MESOSPHERE EXPLORER  
 . . . UHURU SATELLITE  
 . . . X RAY TIMING EXPLORER  
 RT IUE  
 JUNO 1 LAUNCH VEHICLE  
 JUPITER C ROCKET VEHICLE  
 METEOROID DUST CLOUDS  
 MICROMETEORIDS  
 OUTER PLANETS EXPLORERS  
 SCOUT PROJECT  
 THOR DELTA LAUNCH VEHICLE  
 ZODIACAL DUST

**EXPLORER 1 SATELLITE**  
 GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . EXPLORER SATELLITES  
 . . . **EXPLORER 1 SATELLITE**

**EXPLORER 2 SATELLITE**  
 GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . EXPLORER SATELLITES  
 . . . **EXPLORER 2 SATELLITE**

**EXPLORER 3 SATELLITE**  
 GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . EXPLORER SATELLITES  
 . . . **EXPLORER 3 SATELLITE**

**EXPLORER 4 SATELLITE**  
 GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . EXPLORER SATELLITES  
 . . . **EXPLORER 4 SATELLITE**

**EXPLORER 5 SATELLITE**  
 GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . EXPLORER SATELLITES  
 . . . **EXPLORER 5 SATELLITE**

**EXPLORER 6 SATELLITE**  
 GS ARTIFICIAL SATELLITES  
 . GEOPHYSICAL SATELLITES  
 . . **EXPLORER 6 SATELLITE**  
 . . SCIENTIFIC SATELLITES  
 . . . EXPLORER SATELLITES  
 . . . **EXPLORER 6 SATELLITE**  
 RT THOR ABLE ROCKET VEHICLE

## EXPLORER 34 SATELLITE

### EXPLORER 7 SATELLITE

GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 7 SATELLITE

### EXPLORER 8 SATELLITE

GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 8 SATELLITE

### EXPLORER 9 SATELLITE

GS ARTIFICIAL SATELLITES  
 . METEOROLOGICAL SATELLITES  
 . . . EXPLORER 9 SATELLITE  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 9 SATELLITE  
 . . . EXPLORER 9 SATELLITE  
 RT SCOUT LAUNCH VEHICLE

### EXPLORER 10 SATELLITE

GS ARTIFICIAL SATELLITES  
 . GEOPHYSICAL SATELLITES  
 . . . EXPLORER 10 SATELLITE  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 10 SATELLITE  
 RT DELTA LAUNCH VEHICLE

### EXPLORER 11 SATELLITE

UF GAMMA RAY ASTRONOMY EXPLORER  
 GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 11 SATELLITE  
 RT JUNO 2 LAUNCH VEHICLE

### EXPLORER 12 SATELLITE

UF ENERGETIC PARTICLE EXPLORER A  
 EPE-A  
 S-3 SATELLITE  
 GS ARTIFICIAL SATELLITES  
 . GEOPHYSICAL SATELLITES  
 . . . EXPLORER 12 SATELLITE  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 12 SATELLITE  
 RT DELTA LAUNCH VEHICLE

### EXPLORER 14 SATELLITE

UF ENERGETIC PARTICLE EXPLORER B  
 EPE-B  
 GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 14 SATELLITE  
 RT DELTA LAUNCH VEHICLE

### EXPLORER 15 SATELLITE

UF ENERGETIC PARTICLE EXPLORER C  
 EPE-C  
 GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 15 SATELLITE  
 RT DELTA LAUNCH VEHICLE

### EXPLORER 16 SATELLITE

GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 16 SATELLITE  
 RT SCOUT LAUNCH VEHICLE

### EXPLORER 17 SATELLITE

UF AE-A SATELLITE  
 ATMOSPHERE EXPLORER A  
 S-6 SATELLITE  
 GS ARTIFICIAL SATELLITES  
 . METEOROLOGICAL SATELLITES  
 . . . EXPLORER 17 SATELLITE  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 17 SATELLITE  
 RT DELTA LAUNCH VEHICLE

### EXPLORER 18 SATELLITE

UF IMP-A  
 IMP-1  
 INTERPLANETARY EXPLORER  
 S-74 SATELLITE  
 GS ARTIFICIAL SATELLITES  
 . LUNAR SATELLITES

### EXPLORER 18 SATELLITE-(CONT.)

. . . EXPLORER 18 SATELLITE  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 18 SATELLITE  
 . . . EXPLORER 18 SATELLITE  
 INTERPLANETARY SPACECRAFT  
 . . . EXPLORER 18 SATELLITE  
 LUNAR SPACECRAFT  
 . LUNAR SATELLITES  
 . . . EXPLORER 18 SATELLITE  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . . . EXPLORER 18 SATELLITE  
 RT DELTA LAUNCH VEHICLE

### EXPLORER 19 SATELLITE

UF AD-A SATELLITE  
 AIR DENSITY EXPLORER A  
 GS ARTIFICIAL SATELLITES  
 . METEOROLOGICAL SATELLITES  
 . . . EXPLORER 19 SATELLITE  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 19 SATELLITE  
 RT SCOUT LAUNCH VEHICLE

### EXPLORER 20 SATELLITE

UF IONOSPHERE EXPLORER A  
 GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 20 SATELLITE  
 RT SCOUT LAUNCH VEHICLE

### EXPLORER 21 SATELLITE

UF IMP-B  
 IMP-2  
 GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 21 SATELLITE  
 RT DELTA LAUNCH VEHICLE

### EXPLORER 22 SATELLITE

UF BE B  
 BEACON EXPLORER B  
 GS ARTIFICIAL SATELLITES  
 . NAVIGATION SATELLITES  
 . . . EXPLORER 22 SATELLITE  
 . PASSIVE SATELLITES  
 . . . EXPLORER 22 SATELLITE  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 22 SATELLITE  
 . . . EXPLORER 22 SATELLITE  
 EXPANDABLE STRUCTURES  
 . INFLATABLE STRUCTURES  
 . . . INFLATABLE SPACECRAFT  
 . . . BEACON SATELLITES  
 . . . EXPLORER 22 SATELLITE  
 SPACE ERECTABLE STRUCTURES  
 . INFLATABLE SPACECRAFT  
 . . . BEACON SATELLITES  
 . . . EXPLORER 22 SATELLITE  
 RT SCOUT LAUNCH VEHICLE

### EXPLORER 23 SATELLITE

GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 23 SATELLITE  
 RT SCOUT LAUNCH VEHICLE

### EXPLORER 24 SATELLITE

UF AD/I SATELLITE  
 GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 24 SATELLITE  
 RT SCOUT LAUNCH VEHICLE

### EXPLORER 25 SATELLITE

UF AD/I B  
 AIR DENSITY/INJUN EXPLORER B  
 INJUN EXPLORER  
 GS ARTIFICIAL SATELLITES  
 . INJUN SATELLITES  
 . . . EXPLORER 25 SATELLITE  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 25 SATELLITE  
 RT SCOUT LAUNCH VEHICLE

### EXPLORER 26 SATELLITE

UF ENERGETIC PARTICLE EXPLORER D  
 EPE-D  
 GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 26 SATELLITE  
 RT DELTA LAUNCH VEHICLE

### EXPLORER 27 SATELLITE

UF BE C  
 BEACON EXPLORER C  
 GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 27 SATELLITE  
 RT SCOUT LAUNCH VEHICLE

### EXPLORER 28 SATELLITE

UF IMP-C  
 IMP-3  
 GS ARTIFICIAL SATELLITES  
 . LUNAR SATELLITES  
 . . . EXPLORER 28 SATELLITE  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 28 SATELLITE  
 LUNAR SPACECRAFT  
 . LUNAR SATELLITES  
 . . . EXPLORER 28 SATELLITE  
 RT DELTA LAUNCH VEHICLE

### EXPLORER 29 SATELLITE

GS ARTIFICIAL SATELLITES  
 . GEODETIC SATELLITES  
 . . . EXPLORER 29 SATELLITE  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 29 SATELLITE  
 RT ACTIVE SATELLITES  
 ANNA SATELLITES  
 CELESTIAL GEODESY  
 DELTA LAUNCH VEHICLE  
 GEOS 1 SATELLITE  
 LARGOS SATELLITE  
 PAGEOS SATELLITE

### EXPLORER 30 SATELLITE

UF SE-A  
 GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 30 SATELLITE  
 RT SCOUT LAUNCH VEHICLE

### EXPLORER 31 SATELLITE

UF DME-A SATELLITE  
 GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 31 SATELLITE  
 RT THOR AGENA LAUNCH VEHICLE

### EXPLORER 32 SATELLITE

UF AE-B SATELLITE  
 ATMOSPHERE EXPLORER B  
 GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 32 SATELLITE  
 RT DELTA LAUNCH VEHICLE

### EXPLORER 33 SATELLITE

UF AIMP-D  
 AIMP-1  
 IMP-D  
 GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 33 SATELLITE  
 RT DELTA LAUNCH VEHICLE

### EXPLORER 34 SATELLITE

UF IMP-F  
 IMP-4  
 GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . . EXPLORER 34 SATELLITE  
 RT THOR AGENA LAUNCH VEHICLE



## EXPLORER 35 SATELLITE

**EXPLORER 35 SATELLITE**  
UF AIMP-E  
AIMP-2  
IMP-E  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
EXPLORER SATELLITES  
EXPLORER 35 SATELLITE  
RT THOR AGENA LAUNCH VEHICLE

**EXPLORER 36 SATELLITE**  
GS ARTIFICIAL SATELLITES  
GEODETIC SATELLITES  
EXPLORER 36 SATELLITE  
SCIENTIFIC SATELLITES  
EXPLORER SATELLITES  
EXPLORER 36 SATELLITE  
RT ACTIVE SATELLITES  
ANNA SATELLITES  
CELESTIAL GEODESY  
GEOS 2 SATELLITE  
LARGOS SATELLITE  
PAGEOS SATELLITE  
THOR AGENA LAUNCH VEHICLE

**EXPLORER 37 SATELLITE**  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
EXPLORER SATELLITES  
EXPLORER 37 SATELLITE  
RT SCOUT LAUNCH VEHICLE

**EXPLORER 38 SATELLITE**  
UF RAE-1  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
EXPLORER SATELLITES  
EXPLORER 38 SATELLITE  
RT DELTA LAUNCH VEHICLE

**EXPLORER 39 SATELLITE**  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
EXPLORER SATELLITES  
EXPLORER 39 SATELLITE  
RT SCOUT LAUNCH VEHICLE

**EXPLORER 40 SATELLITE**  
UF INJUN 5 SATELLITE  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
EXPLORER SATELLITES  
EXPLORER 40 SATELLITE  
RT SCOUT LAUNCH VEHICLE

**EXPLORER 41 SATELLITE**  
UF IMP-G  
IMP-5  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
EXPLORER SATELLITES  
EXPLORER 41 SATELLITE

**EXPLORER 42 SATELLITE**  
USE UHURU SATELLITE

**EXPLORER 43 SATELLITE**  
UF IMP-4  
IMP-6  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
EXPLORER SATELLITES  
EXPLORER 43 SATELLITE  
RT DELTA LAUNCH VEHICLE

**EXPLORER 44 SATELLITE**  
UF SOLRAD 10 SATELLITE  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
EXPLORER SATELLITES  
EXPLORER 44 SATELLITE

**EXPLORER 45 SATELLITE**  
GS ARTIFICIAL SATELLITES  
GEOPHYSICAL SATELLITES  
EXPLORER 45 SATELLITE  
SCIENTIFIC SATELLITES  
EXPLORER SATELLITES  
EXPLORER 45 SATELLITE

**EXPLORER 46 SATELLITE**  
UF METEOROID TECHNOLOGY SATELLITE  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES

**EXPLORER 46 SATELLITE-(CONT.)**  
EXPLORER SATELLITES  
EXPLORER 46 SATELLITE

**EXPLORER 47 SATELLITE**  
UF IMP-H  
IMP-7  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
EXPLORER SATELLITES  
EXPLORER 47 SATELLITE

**EXPLORER 48 SATELLITE**  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
EXPLORER SATELLITES  
EXPLORER 48 SATELLITE  
RT SAS  
SAS-2

**EXPLORER 49 SATELLITE**  
UF RADIO ASTRONOMY EXPLORER B  
RADIO ASTRONOMY EXPLORER 2  
RAE B  
RAE 1  
RAE 2  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
EXPLORER SATELLITES  
EXPLORER 49 SATELLITE  
RT DELTA LAUNCH VEHICLE

**EXPLORER 50 SATELLITE**  
UF IMP-J  
IMP-8  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
EXPLORER SATELLITES  
EXPLORER 50 SATELLITE

**EXPLORER 51 SATELLITE**  
UF AE-C SATELLITE  
ATMOSPHERE EXPLORER C  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
EXPLORER SATELLITES  
EXPLORER 51 SATELLITE

**EXPLORER 52 SATELLITE**  
UF HAWKEYE 1 SATELLITE  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
EXPLORER SATELLITES  
EXPLORER 52 SATELLITE

**EXPLORER 53 SATELLITE**  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
EXPLORER SATELLITES  
EXPLORER 53 SATELLITE  
OBSERVATORIES  
ASTRONOMICAL OBSERVATORIES  
ASTRONOMICAL SATELLITES  
SAS  
EXPLORER 53 SATELLITE  
RT SAS-3

**EXPLORER 54 SATELLITE**  
UF AE-D SATELLITE  
ATMOSPHERE EXPLORER D  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
EXPLORER SATELLITES  
EXPLORER 54 SATELLITE

**EXPLORER 55 SATELLITE**  
UF AE-E SATELLITE  
ATMOSPHERE EXPLORER E  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
EXPLORER SATELLITES  
EXPLORER 55 SATELLITE  
RT DELTA LAUNCH VEHICLE

**EXPLOSION SUPPRESSION**  
RT FIRE PREVENTION  
FOAMS  
RETARDANTS

**EXPLOSIONS**  
GS EXPLOSIONS  
AERIAL EXPLOSIONS  
CHEMICAL EXPLOSIONS  
GAS EXPLOSIONS

## EXPLOSIONS-(CONT.)

NUCLEAR EXPLOSIONS  
THERMONUCLEAR EXPLOSIONS  
UNDERGROUND EXPLOSIONS  
UNDERWATER EXPLOSIONS  
RT ACCIDENTS  
BACKFIRE  
BLAST LOADS  
BLASTS  
BURSTS  
COMBUSTION  
DETONATION  
DISCHARGE  
EXPLOSIVE DECOMPRESSION  
EXPLOSIVES  
FIRES  
FLAME PROPAGATION  
FLASH  
FLASHBACK  
HAZARDS  
HYDROCARBON COMBUSTION  
IMPLOSIONS  
REACTOR SAFETY  
RIEMANN WAVES  
SAFETY  
SHOCK WAVES  
SOUND PRESSURE  
SPONTANEOUS COMBUSTION  
WARNING SYSTEMS

**EXPLOSIVE DECOMPRESSION**  
GS PRESSURE REDUCTION  
EXPLOSIVE DECOMPRESSION  
RT EXPLOSIONS  
IMPLOSIONS  
PRESSURE RECOVERY  
PRESSURIZED CABINS

**EXPLOSIVE DEVICES**  
UF CARTRIDGE ACTUATED DEVICES  
GS EXPLOSIVE DEVICES  
BOMBS (ORDNANCE)  
INITIATORS (EXPLOSIVES)  
BOOSTERS (EXPLOSIVES)  
CAPS (EXPLOSIVES)  
DETONATORS  
EXPLODING WIRES  
PRIMERS (EXPLOSIVES)  
NUCLEAR DEVICES  
SHAPED CHARGES  
TORPEDOES  
RT ACTUATORS  
AMMUNITION  
CHARGING  
DEVICES  
IGNITERS  
PROPELLANT ACTUATED DEVICES  
WARHEADS

**EXPLOSIVE FORMING**  
GS FORMING TECHNIQUES  
COLD WORKING  
EXPLOSIVE FORMING  
METAL WORKING  
EXPLOSIVE FORMING  
RT BULGING  
DEEP DRAWING  
ELECTROHYDRAULIC FORMING  
EXTRUDING  
SHAPED CHARGES

**EXPLOSIVE GASES**  
USE FLAMMABLE GASES

**EXPLOSIVE WELDING**  
GS BONDING  
EXPLOSIVE WELDING  
WELDING  
PRESSURE WELDING  
EXPLOSIVE WELDING  
RT CLADDING  
METAL BONDING  
METAL JOINTS  
METAL WORKING  
METAL-METAL BONDING

**EXPLOSIVES**  
GS EXPLOSIVES  
BSX  
CELLULOSE NITRATE  
DYNAMITE  
HMX  
HYDRAZINE NITROFORM  
HYDROGEN AZIDES  
NITRASOL EXPLOSIVES

## EXTRACTION

### EXPLOSIVES-(CONT.)

. OCTOL (EXPLOSIVE)  
 . PENTOLITE  
 . RDX  
 . STYPHNATES  
 . TATB  
 . TETRYL  
 . TRINITROTOLUENE  
 RT AMMONIUM PICRATES  
 AMMUNITION  
 AZIDES (ORGANIC)  
 BOMBS (ORDNANCE)  
 BURNING RATE  
 CASE BONDED PROPELLANTS  
 ∞ CHARGING  
 CHEMICAL EXPLOSIONS  
 CHEMICAL FUELS  
 COMPOSITE PROPELLANTS  
 DETONATORS  
 DOUBLE BASE PROPELLANTS  
 DOUBLE BASE ROCKET PROPELLANTS  
 EXPLOSIONS  
 FIRES  
 FLAMMABLE GASES  
 FULMINATES  
 GUN PROPELLANTS  
 GUNS (ORDNANCE)  
 NITROGLYCERIN  
 NITROGUANIDINE  
 NITROMETHANE  
 NUCLEAR WEAPONS  
 ORDNANCE  
 PETN  
 PLASTIC PROPELLANTS  
 POTASSIUM PERCHLORATES  
 POWDER (PARTICLES)  
 PROPELLANTS  
 PYROPHORIC MATERIALS  
 PYROTECHNICS  
 SHAPED CHARGES  
 SODIUM AZIDES  
 TAGN  
 TORPEDOES  
 WARHEADS

### EXPONENTIAL FUNCTIONS

GS ANALYSIS (MATHEMATICS)  
 . COMPLEX VARIABLES  
 . . . EXPONENTIAL FUNCTIONS  
 . . . LOGARITHMS  
 FUNCTIONS (MATHEMATICS)  
 . TRANSCENDENTAL FUNCTIONS  
 . . . EXPONENTIAL FUNCTIONS  
 . . . LOGARITHMS  
 RT FOURIER ANALYSIS  
 HYPERBOLIC FUNCTIONS  
 ORTHOGONAL FUNCTIONS  
 POISSON DENSITY FUNCTIONS  
 PROBABILITY DENSITY FUNCTIONS  
 STATISTICAL ANALYSIS  
 WEIBULL DENSITY FUNCTIONS

### EXPONENTS

GS NUMBER THEORY  
 . EXPONENTS  
 RT ARITHMETIC  
 FRACTALS  
 LOGARITHMS

### EXPORTS

USE INTERNATIONAL TRADE

### EXPOS (SPACELAB PAYLOAD)

UF X RAY SPECTROPOLARIMETRY  
 PAYLOAD  
 GS PAYLOADS  
 . EXPOS (SPACELAB PAYLOAD)  
 RT EUROPEAN SPACE AGENCY  
 SPACELAB

### EXPOSURE

RT ATMOSPHERIC EFFECTS  
 BEARING (DIRECTION)  
 COLD TOLERANCE  
 DOSIMETERS  
 IRRADIATION  
 PHOTOGRAPHY  
 POSITION (LOCATION)  
 POSITIONING  
 RADIATION DOSAGE  
 TIME  
 TRINITROTOLUENE  
 WEATHERING

### EXPRESSIONS (MATHEMATICS)

USE FORMULAS (MATHEMATICS)

### EXPULSION

RT ACCELERATION (PHYSICS)  
 CIRCUIT PROTECTION  
 DISPOSAL  
 DUMPING  
 EJECTION  
 EMPTYING  
 EXCRETION  
 EXHAUST VELOCITY  
 EXPELLANTS  
 EXPIRATION  
 FLUID FLOW  
 GRAVITY GRADIENT SATELLITES  
 JETTISONING  
 PARTICLE EMISSION  
 PRESSURIZING  
 REMOVAL  
 UNLOADING

### EXPULSION BLADDERS

GS DIAPHRAGMS (MECHANICS)  
 . EXPULSION BLADDERS  
 RT BELLOWS  
 EJECTION  
 EMPTYING  
 EXPANDABLE STRUCTURES  
 FUEL TANK PRESSURIZATION  
 FUEL TANKS  
 PRESSURIZING  
 PROPELLANT STORAGE  
 PROPELLANT TANKS  
 STORAGE TANKS

### EXTARS

USE X RAY STARS

### EXTENDED DURATION SPACE FLIGHT

USE LONG DURATION SPACE FLIGHT

### EXTENSIONS

GS EXTENSIONS  
 . PROLONGATION  
 RT ACCESSORIES  
 ADAPTERS  
 CONTRACTS  
 DECONTAMINATION  
 EXPANSION  
 FILLING  
 FITTINGS  
 INSURANCE (CONTRACTS)  
 REVISIONS  
 SUPPLEMENTS

### EXTENSOMETERS

UF DILATOMETERS  
 GS MEASURING INSTRUMENTS  
 . EXTENSOMETERS  
 RT DEFORMETERS  
 DILATOMETRY  
 ELASTOMETERS  
 MECHANICAL MEASUREMENT  
 STRAIN GAGES  
 STRESS MEASUREMENT  
 TENSOMETERS  
 THERMAL EXPANSION  
 TRANSDUCERS

### EXTERNAL COMBUSTION ENGINES

GS ENGINES  
 . EXTERNAL COMBUSTION ENGINES  
 . . STIRLING ENGINES  
 RT AUTOMOBILE ENGINES  
 BOILERS  
 GAS TURBINE ENGINES  
 INTERNAL COMBUSTION ENGINES  
 PISTON ENGINES

### EXTERNAL STORE SEPARATION

UF STORE RELEASE  
 RT NACELLES  
 PODS (EXTERNAL STORES)  
 PROTUBERANCES  
 ∞ SEPARATION  
 ∞ STORAGE  
 WING TANKS  
 WING-FUSELAGE STORES

### EXTERNAL STORES

GS EXTERNAL STORES  
 . PODS (EXTERNAL STORES)  
 RT NACELLES

### EXTERNAL STORES-(CONT.)

PROTUBERANCES  
 ∞ STORAGE  
 WING TANKS  
 WING-FUSELAGE STORES

### EXTERNAL SURFACE CURRENTS

GS ELECTRIC CURRENT  
 . EXTERNAL SURFACE CURRENTS  
 RT ∞ CURRENTS  
 ELECTRIC FIELDS  
 ELECTROMAGNETIC FIELDS  
 ELECTROMAGNETIC PULSES  
 LEVITATION MELTING  
 PHOTOELECTRIC EMISSION  
 SPACECRAFT CHARGING  
 ∞ SURFACES  
 SYSTEM GENERATED  
 ELECTROMAGNETIC PULSES

### EXTERNAL TANKS

GS TANKS (CONTAINERS)  
 . EXTERNAL TANKS  
 RT FUEL TANKS  
 NACELLES  
 PROPELLANT TANKS  
 SPACE SHUTTLE ASCENT STAGE  
 STORAGE TANKS  
 WING TANKS

### EXTERNALLY BLOWN FLAPS

UF BLOWN FLAPS  
 EBF  
 GS AIRFOILS  
 . FLAPS (CONTROL SURFACES)  
 . . . EXTERNALLY BLOWN FLAPS  
 . . . UPPER SURFACE BLOWN FLAPS  
 CONTROL SURFACES  
 . FLAPS (CONTROL SURFACES)  
 . . . EXTERNALLY BLOWN FLAPS  
 . . . UPPER SURFACE BLOWN FLAPS  
 RT JET FLAPS  
 LIFT  
 LIFT DEVICES  
 POWERED LIFT AIRCRAFT  
 SHORT TAKEOFF AIRCRAFT  
 SPANWISE BLOWING  
 WING FLAPS  
 WING NACELLE CONFIGURATIONS

### EXTINCTION

GS EXTINCTION  
 . INTERSTELLAR EXTINCTION  
 RT EVOLUTION (DEVELOPMENT)  
 EXTINGUISHING  
 FADING  
 FLUORESCENCE  
 LASER INDUCED FLUORESCENCE  
 NEMESIS (STAR)

### EXTINGUISHERS

USE FIRE EXTINGUISHERS

### EXTINGUISHING

UF FLAME QUENCHING  
 RT BURNOUT  
 COMBUSTION  
 EXTINGUISHING  
 FLAMEOUT  
 OCCULTATION  
 ∞ QUENCHING  
 QUENCHING (COOLING)

### EXTRACTION

GS EXTRACTION  
 . GEOTHERMAL ENERGY EXTRACTION  
 . ION EXTRACTION  
 . SOLVENT EXTRACTION  
 RT BEDS (PROCESS ENGINEERING)  
 BENEFICIATION  
 CENTRIFUGES  
 CENTRIFUGING  
 COLUMNS (PROCESS ENGINEERING)  
 CONCENTRATING  
 DIALYSIS  
 DIFFUSION  
 DISSOLVING  
 ELUTION  
 FILTRATION  
 FURNACES  
 HYDROLYSIS  
 LEACHING  
 MATERIAL ABSORPTION  
 MATERIALS RECOVERY  
 MELTING

## EXTRAGALACTIC LIGHT

### EXTRACTION-(CONT.)

- OSMOSIS
- PERCOLATION
- RECYCLING
- REFINING
- REMOVAL
- ∞ SEPARATION
- SOLVENTS
- SORPTION
- WASHERS (CLEANERS)

### EXTRAGALACTIC LIGHT

- USE EXTRATERRESTRIAL RADIATION
- LIGHT (VISIBLE RADIATION)

### EXTRAGALACTIC MEDIA

- USE INTERGALACTIC MEDIA

### EXTRAGALACTIC RADIO SOURCES

- GS CELESTIAL BODIES
  - . RADIO SOURCES (ASTRONOMY)
  - . . . EXTRAGALACTIC RADIO SOURCES
  - . . . RADIO GALAXIES
  - . . . RADIO JETS (ASTRONOMY)
- RT BL LACERTAE OBJECTS
- EXTRATERRESTRIAL RADIATION
- EXTRATERRESTRIAL RADIO WAVES
- QUASARS
- RADIATION SOURCES
- RADIO ASTRONOMY
- RADIO EMISSION
- ∞ SOURCES

### EXTRAPOLATION

- RT FINITE DIFFERENCE THEORY
- FORECASTING
- INTERPOLATION
- PERIODIC VARIATIONS
- QUALITY CONTROL
- STATISTICAL ANALYSIS
- ∞ TESTS
- TIME SERIES ANALYSIS
- TRENDS

### EXTRASENSORY PERCEPTION

- UF PARAPSYCHOLOGY
- GS PERCEPTION
  - . SENSORY PERCEPTION
  - . . EXTRASENSORY PERCEPTION

### EXTRASOLAR PLANETS

- GS CELESTIAL BODIES
  - . PLANETS
  - . . EXTRASOLAR PLANETS
- RT GAS GIANT PLANETS
- PLANETARY SYSTEMS

### EXTRATERRESTRIAL COMMUNICATION

- GS TELECOMMUNICATION
  - . SPACE COMMUNICATION
  - . . EXTRATERRESTRIAL COMMUNICATION
- RT INFORMATION DISSEMINATION
- INTERPLANETARY COMMUNICATION
- RADIO TELEMETRY

### EXTRATERRESTRIAL ENVIRONMENTS

- GS ENVIRONMENTS
  - . EXTRATERRESTRIAL ENVIRONMENTS
  - . . CISLUNAR SPACE
  - . . DEEP SPACE
  - . . . INTERPLANETARY SPACE
  - . . . INTERSTELLAR SPACE
  - . . . EARTH ORBITAL ENVIRONMENTS
  - . . . LUNAR ENVIRONMENT
  - . . . LUNAR ATMOSPHERE
  - . . . PLANETARY ENVIRONMENTS
  - . . . MARS ENVIRONMENT
  - . . . MARS ATMOSPHERE
  - . . . PLANETARY ATMOSPHERES
  - . . . . HELIUM HYDROGEN ATMOSPHERES
  - . . . . JUPITER ATMOSPHERE
  - . . . . MARS ATMOSPHERE
  - . . . . MERCURY ATMOSPHERE
  - . . . . NEPTUNE ATMOSPHERE
  - . . . . PLANETARY IONOSPHERES
  - . . . . PLUTO ATMOSPHERE
  - . . . . SATURN ATMOSPHERE
  - . . . . URANUS ATMOSPHERE
  - . . . . VENUS ATMOSPHERE
  - . . . . VENUS CLOUDS
  - . . . . PLANETARY MAGNETOSPHERES
  - . . . . SATELLITE ATMOSPHERES
  - . . . LUNAR ATMOSPHERE

### EXTRATERRESTRIAL ENVIRONMENTS-(CONT.)

- . . . STELLAR ATMOSPHERES
- . . . CHROMOSPHERE
- . . . SOLAR ATMOSPHERE
- RT AEROSPACE ENVIRONMENTS
- HIGH GRAVITY ENVIRONMENTS
- LONG DURATION SPACE FLIGHT
- MERCURY SURFACE
- SPACE EXPLORATION
- SPACECRAFT ENVIRONMENTS
- VENUS SURFACE

### EXTRATERRESTRIAL INTELLIGENCE

- GS INTELLIGENCE
  - . EXTRATERRESTRIAL INTELLIGENCE
- RT INTERSTELLAR COMMUNICATION
- INTERSTELLAR TRAVEL
- PROJECT SETI
- SPACE COMMUNICATION
- UNIDENTIFIED FLYING OBJECTS

### EXTRATERRESTRIAL LIFE

- GS LIFE SCIENCES
  - . EXTRATERRESTRIAL LIFE
- RT AEROSPACE ENVIRONMENTS
- BIO SATELLITES
- EXO BIOLOGY
- GULLIVER PROGRAM
- LIFE DETECTORS
- PANSPERMIA

### EXTRATERRESTRIAL MATTER

- GS EXTRATERRESTRIAL MATTER
  - . COSMIC GASES
  - . . INTERPLANETARY GAS
  - . . INTERSTELLAR GAS
  - . . . NEUTRAL GASES
  - . . . COSMIC PLASMA
  - . . INTERSTELLAR MATTER
  - . . . DARK MATTER
  - . . . INTERSTELLAR GAS
  - . . . NEUTRAL GASES
- RT COSMOCHEMISTRY
- DEGENERATE MATTER
- MATTER (PHYSICS)
- VENUS FLY TRAP ROCKET VEHICLE

### EXTRATERRESTRIAL RADIATION

- UF EXTRAGALACTIC LIGHT
- SPACE RADIATION
- STELLAR DOPPLER SHIFT
- GS EXTRATERRESTRIAL RADIATION
  - . EXTRATERRESTRIAL RADIO WAVES
  - . . GALACTIC RADIO WAVES
  - . . . NORTH POLAR SPUR (ASTRONOMY)
  - . . . RADIO BURSTS
  - . . . . SOLAR RADIO BURSTS
  - . . . . . TYPE 2 BURSTS
  - . . . . . TYPE 3 BURSTS
  - . . . . . TYPE 4 BURSTS
  - . . . . . TYPE 5 BURSTS
  - . . . . SOLAR RADIO EMISSION
  - . . . . . SOLAR RADIO BURSTS
  - . . . . . TYPE 2 BURSTS
  - . . . . . TYPE 3 BURSTS
  - . . . . . TYPE 4 BURSTS
  - . . . . . TYPE 5 BURSTS
  - . . . GALACTIC RADIATION
  - . . . GALACTIC COSMIC RAYS
  - . . . GALACTIC RADIO WAVES
  - . . . . NORTH POLAR SPUR (ASTRONOMY)
  - . . . GAMMA RAY BURSTS
  - . . . GEGENSCHN
  - . . . INTERSTELLAR RADIATION
  - . . . LUNAR RADIATION
  - . . . PLANETARY RADIATION
  - . . . PRIMARY COSMIC RAYS
  - . . . SOLAR COSMIC RAYS
  - . . . SOLAR RADIATION
  - . . . CIRCUMSOLAR RADIATION
  - . . . SOLAR CORPUSCULAR RADIATION
  - . . . . SOLAR ELECTRONS
  - . . . . SOLAR NEUTRINOS
  - . . . . SOLAR NEUTRONS
  - . . . . SOLAR PROTONS
  - . . . . SOLAR COSMIC RAYS
  - . . . . SOLAR RADIO EMISSION
  - . . . . SOLAR RADIO BURSTS
  - . . . . . TYPE 2 BURSTS
  - . . . . . TYPE 3 BURSTS
  - . . . . . TYPE 4 BURSTS
  - . . . . . TYPE 5 BURSTS
  - . . . . SOLAR WIND
  - . . . . SOLAR X-RAYS
  - . . . SUNLIGHT

### EXTRATERRESTRIAL RADIATION-(CONT.)

- . STELLAR RADIATION
- . . STELLAR WINDS
- . . ZODIACAL LIGHT
- RT AEROSPACE ENVIRONMENTS
- ∞ AEROSPACE SCIENCES
- ATMOSPHERIC RADIATION
- BACKGROUND RADIATION
- CORPUSCULAR RADIATION
- COSMIC RAYS
- COSMIC X RAYS
- EARTH ORBITAL ENVIRONMENTS
- ELECTROMAGNETIC NOISE
- ELECTROMAGNETIC RADIATION
- ELECTRON ACCELERATION
- EXTRAGALACTIC RADIO SOURCES
- LIGHT (VISIBLE RADIATION)
- LYMAN ALPHA RADIATION
- LYMAN BETA RADIATION
- MICROWAVE EMISSION
- POLARIZED ELECTROMAGNETIC RADIATION
- POLARIZED RADIATION
- ∞ RADIATION
- RADIATION BELTS
- RADIATIVE TRANSFER
- RADIO JETS (ASTRONOMY)
- RADIO WAVES
- ∞ RAYS
- RELIC RADIATION
- SYNCHROTRON RADIATION
- SYSTEM GENERATED
  - . ELECTROMAGNETIC PULSES
- TERRESTRIAL RADIATION
- X RAYS

### EXTRATERRESTRIAL RADIO WAVES

- UF COSMIC RADIO WAVES
- GS ELECTROMAGNETIC RADIATION
  - . RADIO WAVES
  - . . EXTRATERRESTRIAL RADIO WAVES
  - . . . GALACTIC RADIO WAVES
  - . . . RADIO BURSTS
  - . . . . SOLAR RADIO BURSTS
  - . . . . . TYPE 2 BURSTS
  - . . . . . TYPE 3 BURSTS
  - . . . . . TYPE 4 BURSTS
  - . . . . . TYPE 5 BURSTS
  - . . . . SOLAR RADIO EMISSION
  - . . . . . SOLAR RADIO BURSTS
  - . . . . . TYPE 2 BURSTS
  - . . . . . TYPE 3 BURSTS
  - . . . . . TYPE 4 BURSTS
  - . . . . . TYPE 5 BURSTS
  - . . . . SOLAR RADIO EMISSION
  - . . . . . SOLAR RADIO BURSTS
  - . . . . . TYPE 2 BURSTS
  - . . . . . TYPE 3 BURSTS
  - . . . . . TYPE 4 BURSTS
  - . . . . . TYPE 5 BURSTS
  - . . . . SOLAR RADIO EMISSION
  - . . . . . SOLAR RADIO BURSTS
  - . . . . . TYPE 2 BURSTS
  - . . . . . TYPE 3 BURSTS
  - . . . . . TYPE 4 BURSTS
  - . . . . . TYPE 5 BURSTS
- RT CENTIMETER WAVES
- EXTRAGALACTIC RADIO SOURCES
- MICROWAVE EMISSION
- MICROWAVES
- MILLIMETER WAVES
- RADIO ASTRONOMY
- RADIO EMISSION
- RADIO FREQUENCY INTERFERENCE
- RADIO JETS (ASTRONOMY)
- RADIO SOURCES (ASTRONOMY)

### EXTRATERRESTRIAL RESOURCES

- GS RESOURCES
  - . EXTRATERRESTRIAL RESOURCES
- RT LUNAR EXPLORATION
- PLANETARY BASES
- SPACE EXPLORATION
- SPACE LOGISTICS

### EXTRATERRESTRIAL ROVING VEHICLES

- USE ROVING VEHICLES

### EXTRAVEHICULAR ACTIVITY

- SN (ACTIVITY OUTSIDE THE SPACECRAFT)
- RT ∞ ACTIVITY

## F-1 ROCKET ENGINE

### EXTRAVEHICULAR ACTIVITY-(CONT.)

AEPS  
AEROSPACE ENVIRONMENTS  
APOLLO EXTENSION SYSTEM  
ASTRONAUT LOCOMOTION  
ASTRONAUT MANEUVERING EQUIPMENT  
IMLSS  
INTRAHEHICULAR ACTIVITY  
MAN OPERATED PROPULSION SYSTEMS  
MANNED MANEUVERING UNITS  
MANNED SPACE FLIGHT  
ORBITAL WORKERS  
SELF MANEUVERING UNITS  
SPACE FLIGHT  
SPACE MAINTENANCE  
SPACE SHUTTLE PAYLOADS  
UMBILICAL CONNECTORS  
WEIGHTLESSNESS

### EXTRAVEHICULAR MOBILITY UNITS

GS **EXTRAVEHICULAR MOBILITY UNITS**  
.. ASTRONAUT LOCOMOTION  
.. ASTRONAUT MANEUVERING  
EQUIPMENT  
.. MANNED MANEUVERING UNITS  
IMLSS  
RT SELF MANEUVERING UNITS

### EXTREMA

USE RANGE (EXTREMES)

### EXTREME ULTRAVIOLET EXPLORER SATELLITE

UF EUVE  
GS ARTIFICIAL SATELLITES  
.. SCIENTIFIC SATELLITES  
.. EXPLORER SATELLITES  
.. **EXTREME ULTRAVIOLET EXPLORER  
SATELLITE**  
RT IUE  
ULTRAVIOLET ASTRONOMY

### EXTREME ULTRAVIOLET RADIATION

GS ELECTROMAGNETIC RADIATION  
.. ULTRAVIOLET RADIATION  
.. **EXTREME ULTRAVIOLET RADIATION**  
IONIZING RADIATION  
.. ULTRAVIOLET RADIATION  
.. **EXTREME ULTRAVIOLET RADIATION**  
RT BEAMS (RADIATION)  
MAGELLAN ULTRAVIOLET ASTRONOMY  
SATELLITE  
∞ RADIATION  
SOLAR RADIATION

### EXTREMELY HIGH FREQUENCIES

SN (30 TO 300 GHZ)  
UF K BAND  
KA BAND  
V BAND  
GS FREQUENCIES  
.. RADIO FREQUENCIES  
.. MICROWAVE FREQUENCIES  
.. **EXTREMELY HIGH FREQUENCIES**  
RT ACTS  
MILLIMETER WAVES

### EXTREMELY LOW FREQUENCIES

GS FREQUENCIES  
.. **EXTREMELY LOW FREQUENCIES**  
RT LOW FREQUENCIES  
RADIO FREQUENCIES  
SEAFARER PROJECT

### EXTREMELY LOW RADIO FREQUENCIES

SN (BELOW 300 HZ)  
UF ULTRALOW FREQUENCIES  
GS FREQUENCIES  
.. RADIO FREQUENCIES  
.. **EXTREMELY LOW RADIO  
FREQUENCIES**  
RT AUDIO FREQUENCIES

### EXTREMUM VALUES

GS ANALYSIS (MATHEMATICS)  
.. REAL VARIABLES  
.. **EXTREMUM VALUES**  
.. LIMITS (MATHEMATICS)  
.. MAXIMA  
.. MINIMA  
RT EULER-LAGRANGE EQUATION  
FUNCTIONS (MATHEMATICS)  
OPTIMIZATION  
∞ PEAKS  
PROBABILITY THEORY

### EXTROVERSION

RT BEHAVIOR  
HUMAN BEHAVIOR  
PSYCHOLOGY

### EXTRUDING

UF HOT EXTRUDING  
GS FORMING TECHNIQUES  
.. **EXTRUDING**  
.. PULTRUSION  
RT CASTING  
CLADDING  
COLD WORKING  
DIES  
∞ DRAWING  
EXPLOSIVE FORMING  
INJECTION MOLDING  
INTRUSION  
METAL SPINNING  
METAL WORKING  
PIERCING  
PRESSING (FORMING)  
WET SPINNING

### EYE (ANATOMY)

GS ANATOMY  
.. SENSE ORGANS  
.. **EYE (ANATOMY)**  
.. CHOROID MEMBRANES  
.. CONJUNCTIVA  
.. CORNEA  
.. OCULOMOTOR NERVES  
.. PUPILS  
.. RETINA  
.. FOVEA  
RT ACCOMMODATION  
COLOR VISION  
FACE (ANATOMY)  
HEAD (ANATOMY)  
LENSES  
MIOSIS  
NYSTAGMUS  
OPHTHALMODYNAMOMETRY  
OPHTHALMOLOGY  
OPTOMETRY  
PHOTORECEPTORS  
VESTIBULAR NYSTAGMUS  
VISION

### EYE DISEASES

GS DISEASES  
.. **EYE DISEASES**  
.. ASTHENOPIA  
.. ASTIGMATISM  
.. CATARACTS  
.. CONJUNCTIVITIS  
.. GLAUCOMA  
.. KERATITIS  
.. PHORIA  
RT BLINDNESS  
HYPEROPIA  
OPHTHALMOLOGY

### EYE DOMINANCE

GS DOMINANCE  
.. **EYE DOMINANCE**  
RT VISION

### EYE EXAMINATIONS

GS EXAMINATION  
.. **EYE EXAMINATIONS**  
RT ELECTRONYSTAGMOGRAPHY  
HAPLOSOPES  
OPHTHALMOLOGY

### EYE MOVEMENTS

GS **EYE MOVEMENTS**  
.. NYSTAGMUS  
.. VESTIBULAR NYSTAGMUS  
.. SACCADIC EYE MOVEMENTS  
RT BLINKING  
ELECTRONYSTAGMOGRAPHY  
HEAD MOVEMENT  
OCULOMETERS  
RAPID EYE MOVEMENT STATE  
VISUAL TASKS

### EYE PROTECTION

GS PROTECTION  
.. **EYE PROTECTION**  
RT FLASH BLINDNESS  
GOGGLES  
SUNGLASSES  
VISORS

### EYEPIECES

GS OPTICAL EQUIPMENT  
.. **EYEPIECES**  
RT BINOCULARS  
CONTACT LENSES  
LENSES  
MICROSCOPES  
PERISCOPES  
RETICLES  
SUNGLASSES  
TELESCOPES

### EYRING THEORY

GS KINETIC THEORY  
.. TRANSPORT THEORY  
.. **EYRING THEORY**  
RT EQUILIBRIUM FLOW  
FLUID DYNAMICS  
∞ THEORIES

## F

### F CENTERS

USE COLOR CENTERS

### F DISPLAYS

USE F REGION

### F LAYER

USE F REGION

### F REGION

SN (ALTITUDES ABOVE APPROXIMATELY  
160 KM)  
UF F DISPLAYS  
F LAYER  
NIGHT F LAYER  
GS EARTH ATMOSPHERE  
.. UPPER ATMOSPHERE  
.. EARTH IONOSPHERE  
.. UPPER IONOSPHERE  
.. **F REGION**  
.. F 1 REGION  
.. F 2 REGION  
REGIONS  
.. **F REGION**  
.. F 1 REGION  
.. F 2 REGION  
RT PLASMA BUBBLES

### F STARS

GS CELESTIAL BODIES  
.. STARS  
.. **F STARS**  
RT DWARF STARS  
G STARS  
GIANT STARS  
MAIN SEQUENCE STARS  
STELLAR SPECTRA

### F 1 REGION

GS EARTH ATMOSPHERE  
.. UPPER ATMOSPHERE  
.. EARTH IONOSPHERE  
.. UPPER IONOSPHERE  
.. F REGION  
.. **F 1 REGION**  
REGIONS  
.. F REGION  
.. **F 1 REGION**

### F 2 REGION

GS EARTH ATMOSPHERE  
.. UPPER ATMOSPHERE  
.. EARTH IONOSPHERE  
.. UPPER IONOSPHERE  
.. F REGION  
.. **F 2 REGION**  
REGIONS  
.. F REGION  
.. **F 2 REGION**  
RT SPREAD F  
TRANSEQUATORIAL PROPAGATION

### F-1 ROCKET ENGINE

GS ENGINES  
.. ROCKET ENGINES  
.. LIQUID PROPELLANT ROCKET  
ENGINES  
.. **F-1 ROCKET ENGINE**  
RT BOOSTER ROCKET ENGINES

## F-2 AIRCRAFT

**F-1 ROCKET ENGINE-(CONT.)**  
NOVA LAUNCH VEHICLES  
SATURN LAUNCH VEHICLES

### F-2 AIRCRAFT

UF HAWKER HUNTER AIRCRAFT  
HUNTER F-2 AIRCRAFT  
GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. **F-2 AIRCRAFT**  
HAWKER SIDDELEY AIRCRAFT  
. **F-2 AIRCRAFT**  
JET AIRCRAFT  
. **F-2 AIRCRAFT**  
MONOPLANES  
. **F-2 AIRCRAFT**  
RT  $\infty$  AIRCRAFT

### F-4 AIRCRAFT

UF F-110 AIRCRAFT  
F4H AIRCRAFT  
GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. **F-4 AIRCRAFT**  
JET AIRCRAFT  
. PHANTOM AIRCRAFT  
. **F-4 AIRCRAFT**  
MCDONNELL DOUGLAS AIRCRAFT  
. MCDONNELL AIRCRAFT  
. PHANTOM AIRCRAFT  
. **F-4 AIRCRAFT**  
MONOPLANES  
. PHANTOM AIRCRAFT  
. **F-4 AIRCRAFT**  
SUPERSONIC AIRCRAFT  
. PHANTOM AIRCRAFT  
. **F-4 AIRCRAFT**  
RT  $\infty$  AIRCRAFT  
J-79 ENGINE  
RF-4 AIRCRAFT

### F-5 AIRCRAFT

UF FREEDOM FIGHTER AIRCRAFT  
N-156 AIRCRAFT  
GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. **F-5 AIRCRAFT**  
COIN AIRCRAFT  
. **F-5 AIRCRAFT**  
JET AIRCRAFT  
. **F-5 AIRCRAFT**  
MONOPLANES  
. **F-5 AIRCRAFT**  
NORTHROP AIRCRAFT  
. **F-5 AIRCRAFT**  
OBSERVATION AIRCRAFT  
. **F-5 AIRCRAFT**  
RECONNAISSANCE AIRCRAFT  
. **F-5 AIRCRAFT**  
SUPERSONIC AIRCRAFT  
. **F-5 AIRCRAFT**  
RT  $\infty$  AIRCRAFT

### F-8 AIRCRAFT

UF CRUSADER AIRCRAFT  
F8U AIRCRAFT  
RF-8 AIRCRAFT  
GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. **F-8 AIRCRAFT**  
JET AIRCRAFT  
. **F-8 AIRCRAFT**  
LING-TEMCO-VOUGHT AIRCRAFT  
. **F-8 AIRCRAFT**  
MONOPLANES  
. **F-8 AIRCRAFT**  
SINGLE ENGINE AIRCRAFT  
. **F-8 AIRCRAFT**  
SUPERSONIC AIRCRAFT  
. **F-8 AIRCRAFT**  
RT  $\infty$  AIRCRAFT

### F-9 AIRCRAFT

UF COUGAR AIRCRAFT  
F9F AIRCRAFT  
PANTHER AIRCRAFT  
GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. **F-9 AIRCRAFT**  
GRUMMAN AIRCRAFT  
. **F-9 AIRCRAFT**  
JET AIRCRAFT  
. **F-9 AIRCRAFT**  
MONOPLANES  
. **F-9 AIRCRAFT**

### F-9 AIRCRAFT-(CONT.)

SINGLE ENGINE AIRCRAFT  
. **F-9 AIRCRAFT**  
RT  $\infty$  AIRCRAFT

### F-14 AIRCRAFT

GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. **F-14 AIRCRAFT**  
GRUMMAN AIRCRAFT  
. **F-14 AIRCRAFT**  
JET AIRCRAFT  
. **F-14 AIRCRAFT**  
SUPERSONIC AIRCRAFT  
. **F-14 AIRCRAFT**  
RT  $\infty$  AIRCRAFT

### F-15 AIRCRAFT

GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. **F-15 AIRCRAFT**  
JET AIRCRAFT  
. **F-15 AIRCRAFT**  
SUPERSONIC AIRCRAFT  
. **F-15 AIRCRAFT**  
RT  $\infty$  AIRCRAFT

### F-16 AIRCRAFT

GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. **F-16 AIRCRAFT**  
JET AIRCRAFT  
. **F-16 AIRCRAFT**  
SINGLE ENGINE AIRCRAFT  
. **F-16 AIRCRAFT**  
SUPERSONIC AIRCRAFT  
. **F-16 AIRCRAFT**  
RT  $\infty$  AIRCRAFT

### F-17 AIRCRAFT

UF YF-17 AIRCRAFT  
GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. **F-17 AIRCRAFT**  
JET AIRCRAFT  
. **F-17 AIRCRAFT**  
MONOPLANES  
. **F-17 AIRCRAFT**  
SUPERSONIC AIRCRAFT  
. **F-17 AIRCRAFT**  
RT  $\infty$  AIRCRAFT  
F-18 AIRCRAFT

### F-18 AIRCRAFT

GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. **F-18 AIRCRAFT**  
JET AIRCRAFT  
. **F-18 AIRCRAFT**  
MCDONNELL DOUGLAS AIRCRAFT  
. **F-18 AIRCRAFT**  
NORTHROP AIRCRAFT  
. **F-18 AIRCRAFT**  
RT  $\infty$  AIRCRAFT  
F-17 AIRCRAFT

### F-20 AIRCRAFT

GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. **F-20 AIRCRAFT**  
JET AIRCRAFT  
. **F-20 AIRCRAFT**  
NORTHROP AIRCRAFT  
. **F-20 AIRCRAFT**

### F-27 AIRCRAFT

UF FOKKER F 27 AIRCRAFT  
FOKKER FRIENDSHIP AIRCRAFT  
GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. **F-27 AIRCRAFT**  
FOKKER AIRCRAFT  
. **F-27 AIRCRAFT**  
JET AIRCRAFT  
. **F-27 AIRCRAFT**  
TURBOPROP AIRCRAFT  
. **F-27 AIRCRAFT**  
MONOPLANES  
. **F-27 AIRCRAFT**  
PASSENGER AIRCRAFT  
. **F-27 AIRCRAFT**  
TRANSPORT AIRCRAFT  
. CARGO AIRCRAFT  
. **F-27 AIRCRAFT**  
RT  $\infty$  AIRCRAFT

### F-28 HELICOPTER

GS LIGHT AIRCRAFT  
. **F-28 HELICOPTER**  
PASSENGER AIRCRAFT  
. **F-28 HELICOPTER**  
V/STOL AIRCRAFT  
. ROTARY WING AIRCRAFT  
. HELICOPTERS  
. RIGID ROTOR HELICOPTERS  
. **F-28 HELICOPTER**

### F-28 TRANSPORT AIRCRAFT

UF FELLOWSHIP AIRCRAFT  
FOKKER F 28 AIRCRAFT  
GS COMMERCIAL AIRCRAFT  
. **F-28 TRANSPORT AIRCRAFT**  
FOKKER AIRCRAFT  
. **F-28 TRANSPORT AIRCRAFT**  
JET AIRCRAFT  
. TURBOFAN AIRCRAFT  
. **F-28 TRANSPORT AIRCRAFT**  
MONOPLANES  
. **F-28 TRANSPORT AIRCRAFT**  
PASSENGER AIRCRAFT  
. **F-28 TRANSPORT AIRCRAFT**  
TRANSPORT AIRCRAFT  
. **F-28 TRANSPORT AIRCRAFT**  
RT  $\infty$  AIRCRAFT

### F-80 AIRCRAFT

USE T-33 AIRCRAFT

### F-84 AIRCRAFT

GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. **F-84 AIRCRAFT**  
JET AIRCRAFT  
. **F-84 AIRCRAFT**  
MONOPLANES  
. **F-84 AIRCRAFT**  
REPUBLIC AIRCRAFT  
. **F-84 AIRCRAFT**  
SINGLE ENGINE AIRCRAFT  
. **F-84 AIRCRAFT**  
RT  $\infty$  AIRCRAFT

### F-86 AIRCRAFT

UF SABRE AIRCRAFT  
GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. **F-86 AIRCRAFT**  
JET AIRCRAFT  
. **F-86 AIRCRAFT**  
MONOPLANES  
. **F-86 AIRCRAFT**  
NORTH AMERICAN AIRCRAFT  
. **F-86 AIRCRAFT**  
SINGLE ENGINE AIRCRAFT  
. **F-86 AIRCRAFT**  
RT  $\infty$  AIRCRAFT

### F-89 AIRCRAFT

GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. **F-89 AIRCRAFT**  
JET AIRCRAFT  
. **F-89 AIRCRAFT**  
MONOPLANES  
. **F-89 AIRCRAFT**  
NORTHROP AIRCRAFT  
. **F-89 AIRCRAFT**  
RT  $\infty$  AIRCRAFT

### F-94 AIRCRAFT

GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. **F-94 AIRCRAFT**  
JET AIRCRAFT  
. **F-94 AIRCRAFT**  
LOCKHEED AIRCRAFT  
. **F-94 AIRCRAFT**  
MONOPLANES  
. **F-94 AIRCRAFT**  
SINGLE ENGINE AIRCRAFT  
. **F-94 AIRCRAFT**  
RT  $\infty$  AIRCRAFT

### F-100 AIRCRAFT

UF SUPER SABRE AIRCRAFT  
GS ATTACK AIRCRAFT  
. BOMBER AIRCRAFT  
. **F-100 AIRCRAFT**  
. FIGHTER AIRCRAFT  
. **F-100 AIRCRAFT**  
JET AIRCRAFT

## FACTORIAL DESIGN

### F-100 AIRCRAFT-(CONT.)

. F-100 AIRCRAFT  
MONOPLANES  
. F-100 AIRCRAFT  
NORTH AMERICAN AIRCRAFT  
. F-100 AIRCRAFT  
SINGLE ENGINE AIRCRAFT  
. F-100 AIRCRAFT  
SUPERSONIC AIRCRAFT  
. F-100 AIRCRAFT  
RT  $\infty$  AIRCRAFT

### F-101 AIRCRAFT

UF JF 101 AIRCRAFT  
VOODOO AIRCRAFT  
GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. F-101 AIRCRAFT  
JET AIRCRAFT  
. F-101 AIRCRAFT  
MCDONNELL DOUGLAS AIRCRAFT  
. MCDONNELL AIRCRAFT  
. F-101 AIRCRAFT  
SINGLE ENGINE AIRCRAFT  
. F-101 AIRCRAFT  
SUPERSONIC AIRCRAFT  
. F-101 AIRCRAFT  
RT  $\infty$  AIRCRAFT

### F-102 AIRCRAFT

UF DELTA DAGGER AIRCRAFT  
YF-102 AIRCRAFT  
GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. F-102 AIRCRAFT  
GENERAL DYNAMICS AIRCRAFT  
. F-102 AIRCRAFT  
JET AIRCRAFT  
. F-102 AIRCRAFT  
MONOPLANES  
. F-102 AIRCRAFT  
SINGLE ENGINE AIRCRAFT  
. F-102 AIRCRAFT  
SUPERSONIC AIRCRAFT  
. F-102 AIRCRAFT  
TAILLESS AIRCRAFT  
. F-102 AIRCRAFT  
RT  $\infty$  AIRCRAFT

### F-104 AIRCRAFT

UF CANADAIR CF-104 AIRCRAFT  
CF-104 AIRCRAFT  
STARFIGHTER AIRCRAFT  
GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. F-104 AIRCRAFT  
JET AIRCRAFT  
. F-104 AIRCRAFT  
LOCKHEED AIRCRAFT  
. F-104 AIRCRAFT  
MONOPLANES  
. F-104 AIRCRAFT  
SINGLE ENGINE AIRCRAFT  
. F-104 AIRCRAFT  
SUPERSONIC AIRCRAFT  
. F-104 AIRCRAFT  
RT  $\infty$  AIRCRAFT

### F-105 AIRCRAFT

UF THUNDERCHIEF AIRCRAFT  
GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. F-105 AIRCRAFT  
JET AIRCRAFT  
. F-105 AIRCRAFT  
MONOPLANES  
. F-105 AIRCRAFT  
REPUBLIC AIRCRAFT  
. F-105 AIRCRAFT  
SINGLE ENGINE AIRCRAFT  
. F-105 AIRCRAFT  
RT  $\infty$  AIRCRAFT

### F-106 AIRCRAFT

UF DELTA DART AIRCRAFT  
GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. F-106 AIRCRAFT  
GENERAL DYNAMICS AIRCRAFT  
. F-106 AIRCRAFT  
JET AIRCRAFT  
. F-106 AIRCRAFT  
MONOPLANES  
. F-106 AIRCRAFT  
SINGLE ENGINE AIRCRAFT

### F-106 AIRCRAFT-(CONT.)

. F-106 AIRCRAFT  
SUPERSONIC AIRCRAFT  
. F-106 AIRCRAFT  
TAILLESS AIRCRAFT  
. F-106 AIRCRAFT  
RT  $\infty$  AIRCRAFT

### F-110 AIRCRAFT

USE F-4 AIRCRAFT

### F-111 AIRCRAFT

UF LASV  
TFX AIRCRAFT  
GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. F-111 AIRCRAFT  
GENERAL DYNAMICS AIRCRAFT  
. F-111 AIRCRAFT  
GRUMMAN AIRCRAFT  
. F-111 AIRCRAFT  
JET AIRCRAFT  
. TURBOFAN AIRCRAFT  
. F-111 AIRCRAFT  
SUPERSONIC AIRCRAFT  
. F-111 AIRCRAFT  
RT  $\infty$  AIRCRAFT  
MISSION ADAPTIVE WINGS  
VARIABLE SWEEP WINGS

### FAB (PROGRAMMING LANGUAGE)

USE FORTRAN

### FABRICATION

GS FABRICATION  
. SPACE MANUFACTURING  
RT ASSEMBLIES  
ASSEMBLING  
CONSTRUCTION  
LOW GRAVITY MANUFACTURING  
MANUFACTURING  
PRODUCTION MANAGEMENT

### FABRICS

UF CLOTH  
GS FABRICS  
. CREPE  
. DACRON (TRADEMARK)  
. FELTS  
. FORTISAN (TRADEMARK)  
. GAUZE  
. LINEN  
. PARACHUTE FABRICS  
. SILK  
. WOOL  
RT CLOTHING  
COATINGS  
COTTON  
FIBERS  
 $\infty$  FILMS  
FLAME RETARDANTS  
GEOTECHNICAL FABRICS  
GORES  
INTERLAYERS  
LAMINATES  
MESH  
MICARTA  
MULTILAYER INSULATION  
REINFORCING MATERIALS  
RIBBONS  
 $\infty$  SHEETS  
SOCKS  
TEXTILES  
WEAVING  
WEBBING  
WEBS (SHEETS)  
WIRE CLOTH

### FABRY-PEROT INTERFEROMETERS

GS MEASURING INSTRUMENTS  
. INTERFEROMETERS  
. FABRY-PEROT INTERFEROMETERS  
RT ETALONS  
MICROWAVE INTERFEROMETERS  
PLASMA DIAGNOSTICS

### FABRY-PEROT LASERS

USE LASERS

### FABRY-PEROT SPECTROMETERS

GS MEASURING INSTRUMENTS  
. RADIATION MEASURING INSTRUMENTS  
. FABRY-PEROT SPECTROMETERS  
. SPECTROMETERS  
. FABRY-PEROT SPECTROMETERS

### FABRY-PEROT SPECTROMETERS-(CONT.)

RT ACTINOMETERS  
AIRGLOW  
AURORAL SPECTROSCOPY  
OPTICAL EQUIPMENT  
OPTICAL MEASURING INSTRUMENTS

### FACE (ANATOMY)

GS ANATOMY  
. FACE (ANATOMY)  
. CHIN  
. FOREHEAD  
. MOUTH  
. LIPS (ANATOMY)  
. NOSE (ANATOMY)  
RT EYE (ANATOMY)  
HEAD (ANATOMY)

### FACE CENTERED CUBIC LATTICES

UF FCC LATTICES  
GS CRYSTAL LATTICES  
. CUBIC LATTICES  
. FACE CENTERED CUBIC LATTICES  
RT BODY CENTERED CUBIC LATTICES  
CLOSE PACKED LATTICES  
CRYSTALS

### FACETS

USE FLAT SURFACES

### $\infty$ FACILITIES

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED—CONSULT THE TERMS  
LISTED BELOW)  
RT AIRPORTS  
ELECTRIC POWER PLANTS  
GROUND HANDLING  
INDUSTRIAL AREAS  
INDUSTRIAL PLANTS  
LAND USE  
LAUNCHING BASES  
LOGISTICS  
LOGISTICS MANAGEMENT  
MILITARY AIR FACILITIES  
MOBILE QUARANTINE FACILITY  
RESEARCH FACILITIES  
ROADS  
SITE SELECTION  
SITES  
SOLAR CELL CALIBRATION FACILITY  
STATIONS  
TERMINAL FACILITIES  
TEST FACILITIES  
X RAY ASTROPHYSICS FACILITY

### FACSIMILE COMMUNICATION

UF FACSIMILE TRANSMISSION  
GS TELECOMMUNICATION  
. COMMUNICATION  
. FACSIMILE COMMUNICATION  
RT INTERPLANETARY COMMUNICATION  
LUNAR COMMUNICATION  
SATELLITE COMMUNICATION  
SPACECRAFT COMMUNICATION  
TELETYPEWRITER SYSTEMS  
TELEVISION SYSTEMS  
TRANSOCEANIC COMMUNICATION  
WIRELESS COMMUNICATION

### FACSIMILE TRANSMISSION

USE FACSIMILE COMMUNICATION

### FACTOR ANALYSIS

GS STATISTICAL ANALYSIS  
. FACTOR ANALYSIS  
RT AUTOREGRESSIVE PROCESSES  
CORRELATION  
COVARIANCE  
DEGREES OF FREEDOM  
EXPERIMENT DESIGN  
FACTORIZATION  
MATRICES (MATHEMATICS)  
ORTHOGONALITY  
REGRESSION ANALYSIS  
STATISTICAL TESTS  
VARIABILITY  
VARIANCE (STATISTICS)

### FACTORIAL DESIGN

GS EXPERIMENT DESIGN  
. FACTORIAL DESIGN  
RT  $\infty$  DESIGN  
MATHEMATICAL MODELS  
STATISTICAL ANALYSIS

## FACTORIALS

### FACTORIALS

- GS ANALYSIS (MATHEMATICS)
  - . COMBINATORIAL ANALYSIS
  - . . . **FACTORIALS**
- RT BINOMIAL COEFFICIENTS
  - . GAMMA FUNCTION

### FACTORIES

- USE INDUSTRIAL PLANTS

### FACTORIZATION

- RT ALGORITHMS
  - . FACTOR ANALYSIS
  - . FINITE ELEMENT METHOD
  - . REAL VARIABLES

### FACTORS

- USE VARIABLE

### FACULAE

- UF PLAGES (FACULAE)
  - . SOLAR FACULAE
- GS STELLAR ACTIVITY
  - . SOLAR ACTIVITY
  - . . . **FACULAE**
- RT  $\infty$  ACTIVITY
  - . CHROMOSPHERE
  - . PHOTOSPHERE
  - . STARSPTS
  - . SUNSPOTS

### FADDEEV EQUATIONS

- RT  $\infty$  EQUATIONS
  - . PARTICLE COLLISIONS
  - . SCATTERING AMPLITUDE
  - . WAVE SCATTERING

### FADING

- GS **FADING**
  - . SIGNAL FADING
  - . . . SELECTIVE FADING
- RT ATTENUATION
  - . BLEACHING
  - . COLOR
  - . DISCOLORATION
  - . ELECTROMAGNETIC ABSORPTION
  - . EXTINCTION
  - . RECEPTION DIVERSITY
  - . SIGNAL FADING RATE
  - . WAVE DISPERSION

### FAHRENHEIT TEMPERATURE SCALE

- USE TEMPERATURE SCALES

### FAIL-SAFE SYSTEMS

- RT  $\infty$  AUTOMATION
  - . EMERGENCIES
  - . FAULT TOLERANCE
  - . SAFETY DEVICES
  - . SAFETY MANAGEMENT
  - . SELF TESTS
  - . . .  $\infty$  SYSTEMS

### FAILURE

- GS **FAILURE**
  - . BURNTHROUGH (FAILURE)
  - . ENGINE FAILURE
  - . STRUCTURAL FAILURE
  - . SYSTEM FAILURES
- RT ABORTED MISSIONS
  - .  $\infty$  BREAKDOWN
  - . BUCKLING
  - . BURN-IN
  - . COLLAPSE
  - . CORROSION
  - . CRACKING (FRACTURING)
  - . CUMULATIVE DAMAGE
  - . DEFORMATION
  - . DESTRUCTION
  - . DETERIORATION
  - . DISTORTION
  - . DOWNTIME
  - . ELECTRICAL FAULTS
  - . FAILURE ANALYSIS
  - . FATIGUE (MATERIALS)
  - . FLASHOVER
  - . FRACTURES (MATERIALS)
  - . MALFUNCTIONS
  - . MILLS RATIO
  - . RUPTURING
  - . SHEARING
  - . SHORT CIRCUITS
  - . STRUCTURAL STRAIN
  - . TEMPERATURE INVERSIONS

## FAILURE-(CONT.)

### WEAR

### FAILURE ANALYSIS

- RT ACOUSTIC EMISSION
  - .  $\infty$  ANALYZING
  - . BURN-IN
  - . BURST TESTS
  - . FATIGUE LIFE
  - . FAULT TOLERANCE
  - . LIFE (DURABILITY)
  - . MILLS RATIO
  - . MTBF
  - . PROBABILITY DENSITY FUNCTIONS
  - . RELIABILITY
  - . STATISTICAL ANALYSIS

### FAILURE MODES

- GS MODES
  - . **FAILURE MODES**
- RT BUCKLING
  - . CRACKS
  - . ELASTIC BUCKLING
  - .  $\infty$  MODE
  - . MODE (STATISTICS)
  - . MTBF
  - . SHEARING

### FAINT OBJECT CAMERA

- GS OPTICAL EQUIPMENT
  - . CAMERAS
  - . . . **FAINT OBJECT CAMERA**
  - . PHOTOGRAPHIC EQUIPMENT
  - . CAMERAS
  - . . . **FAINT OBJECT CAMERA**
- RT ASTRONOMICAL PHOTOGRAPHY
  - . HUBBLE SPACE TELESCOPE
  - . INFRARED PHOTOGRAPHY
  - . OPTICAL MEASURING INSTRUMENTS
  - . SPACEBORNE ASTRONOMY
  - . SPACEBORNE TELESCOPES
  - . ULTRAVIOLET PHOTOGRAPHY

### FAINT OBJECTS

- GS CELESTIAL BODIES
  - . **FAINT OBJECTS**
- RT GALAXIES
  - . STARS

### FAINTING

- USE SYNCOPE

### FAIRCHILD MILITARY AIRCRAFT

- USE FAIRCHILD-HILLER AIRCRAFT
  - . MILITARY AIRCRAFT

### FAIRCHILD-HILLER AIRCRAFT

- UF FAIRCHILD MILITARY AIRCRAFT
- GS **FAIRCHILD-HILLER AIRCRAFT**
  - . C-119 AIRCRAFT
  - . C-123 AIRCRAFT
  - . OH-5 HELICOPTER
  - . OH-23 HELICOPTER
  - . XC-142 AIRCRAFT
- RT  $\infty$  AIRCRAFT

### FAIREY AIRCRAFT

- GS **FAIREY AIRCRAFT**
  - . FD 2 AIRCRAFT
- RT  $\infty$  AIRCRAFT

### FAIREY DELTA 2 AIRCRAFT

- USE FD 2 AIRCRAFT

### FAIRINGS

- GS SYMMETRICAL BODIES
  - . STREAMLINED BODIES
  - . . . **FAIRINGS**
- RT AERODYNAMIC CONFIGURATIONS
  - . AIRCRAFT STRUCTURES
  - . CANOPIES
  - . COWLINGS
  - . FILLETS
  - . HOUSINGS
  - . LANDING GEAR
  - . NACELLES
  - . OGIVES
  - . PERFORATED SHELLS
  - . PROTECTORS
  - . PROTUBERANCES
  - . SHEATHS
  - . SHELLS (STRUCTURAL FORMS)
  - .  $\infty$  SPINNERS
  - . STREAMLINING

## FAIRINGS-(CONT.)

### WING ROOTS

### FAITH 7

- GS MANNED SPACECRAFT
  - . MERCURY SPACECRAFT
  - . . . **FAITH 7**
  - . REENTRY VEHICLES
  - . RECOVERABLE SPACECRAFT
  - . . . MERCURY SPACECRAFT
  - . . . **FAITH 7**
  - . SOFT LANDING SPACECRAFT
  - . MERCURY SPACECRAFT
  - . . . **FAITH 7**
  - . SPACE CAPSULES
  - . MERCURY SPACECRAFT
  - . . . **FAITH 7**
- RT MERCURY MA-2 FLIGHT
  - . MERCURY MA-9 FLIGHT

### FALCON MISSILE

- GS MISSILES
  - . AIR TO AIR MISSILES
  - . . . **FALCON MISSILE**
  - . ANTI-AIRCRAFT MISSILES
  - . . . **FALCON MISSILE**
- RT M-46 ENGINE
  - . SOLID PROPELLANT ROCKET ENGINES

### FALKNER-SKAN EQUATION

- GS ANALYSIS (MATHEMATICS)
  - . REAL VARIABLES
  - . . . DIFFERENTIAL EQUATIONS
  - . . . **FALKNER-SKAN EQUATION**
- RT BLASIUS EQUATION
  - . BOUNDARY LAYER SEPARATION
  - .  $\infty$  EQUATIONS
  - . LAMINAR FLOW
  - . PRANDTL-MEYER EXPANSION
  - . WEDGE FLOW

### FALLING

- RT ATMOSPHERIC ENTRY
  - . DESCENT TRAJECTORIES
  - . PARTICLE MOTION
  - .  $\infty$  PRECIPITATION
  - . SINKING
  - . VERTICAL MOTION

### FALLING SPHERES

- GS SYMMETRICAL BODIES
  - . BODIES OF REVOLUTION
  - . . . SPHERES
  - . . . **FALLING SPHERES**
- RT BALLS
  - . DROP TOWERS
  - . FREE FALL
  - . GLOBULES
  - . RAINDROPS
  - . SPHEROIDS

### FALLOUT

- UF WASHOUT (RADIOACTIVITY)
- RT AIR POLLUTION
  - . FISSION PRODUCTS
  - . FISSION WEAPONS
  - . NUCLEAR EXPLOSION EFFECT
  - . NUCLEAR EXPLOSIONS
  - . NUCLEAR METEOROLOGY
  - . POST-BLAST NUCLEAR RADIATION
  - .  $\infty$  RADIATION
  - . RADIATION EFFECTS
  - . RADIATION HAZARDS
  - . RADIOACTIVE CONTAMINANTS
  - .  $\infty$  RADIOACTIVE DEBRIS
  - . RADIOACTIVITY

### FALSE ALARMS

- RT ERROR SIGNALS
  - . SIGNAL TO NOISE RATIOS
  - . WARNING SYSTEMS

### FAN BLADES

- RT COMPRESSOR BLADES
  - . DUCTED FANS
  - .  $\infty$  FANS
  - . PROPELLER BLADES
  - . ROTARY WINGS
  - . TURBINE BLADES
  - . TURBOMACHINE BLADES
  - . VENTILATION FANS

### FAN IN WING AIRCRAFT

- GS **FAN IN WING AIRCRAFT**

**FAN IN WING AIRCRAFT-(CONT.)**

. XV-5 AIRCRAFT  
 RT ∞ AIRCRAFT  
 . LIFT FANS  
 RESEARCH AIRCRAFT  
 SHORT TAKEOFF AIRCRAFT  
 TILT WING AIRCRAFT  
 V/STOL AIRCRAFT  
 VERTICAL TAKEOFF AIRCRAFT

**FANLIFT DEVICES**

USE LIFT FANS

**∞ FANS**

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT ACTUATOR DISKS  
 AIR CONDITIONING EQUIPMENT  
 AIR DUCTS  
 ANTENNA RADIATION PATTERNS  
 BLOWERS  
 COMPRESSOR ROTORS  
 COMPRESSORS  
 DUCTED FANS  
 FAN BLADES  
 PROPELLER FANS  
 TURBOFANS  
 VENTILATION FANS  
 WIND TUNNEL DRIVES

**FANS (LANDFORMS)**

UF BAJADAS  
 GS LANDFORMS  
 . **FANS (LANDFORMS)**  
 RT ALLUVIUM  
 CANYONS  
 CLAYS  
 DELTAS  
 GRAVELS  
 MUD  
 SANDS  
 SEDIMENTS

**FAR FIELDS**

UF FRAUNHOFER REGION  
 GS ELECTROMAGNETIC FIELDS  
 . **FAR FIELDS**  
 RT ANTENNA RADIATION PATTERNS  
 ELECTROMAGNETIC RADIATION  
 FIELD THEORY (PHYSICS)  
 FRESNEL REGION  
 NEAR FIELDS  
 NOISE PROPAGATION  
 RADIANT FLUX DENSITY

**FAR INFRARED RADIATION**

SN (30 MICRONS TO ABOUT 1000 MICRONS)  
 GS ELECTROMAGNETIC RADIATION  
 . INFRARED RADIATION  
 . **FAR INFRARED RADIATION**  
 RT LONG WAVE RADIATION  
 NEAR INFRARED RADIATION  
 ∞ RADIATION  
 RADIO WAVES  
 SHORT WAVE RADIATION  
 SUBMILLIMETER WAVES  
 TERRESTRIAL RADIATION

**FAR ULTRAVIOLET RADIATION**

SN (200 TO 2000 ÅNGSTRÖMS)  
 UF VACUUM ULTRAVIOLET RADIATION  
 GS ELECTROMAGNETIC RADIATION  
 . ULTRAVIOLET RADIATION  
 . **FAR ULTRAVIOLET RADIATION**  
 . . . LYMAN ALPHA RADIATION  
 . . . LYMAN BETA RADIATION  
 IONIZING RADIATION  
 . ULTRAVIOLET RADIATION  
 . **FAR ULTRAVIOLET RADIATION**  
 . . . LYMAN ALPHA RADIATION  
 . . . LYMAN BETA RADIATION  
 RT BREMSSTRAHLUNG  
 MAGELLAN ULTRAVIOLET ASTRONOMY  
 SATELLITE  
 NEAR ULTRAVIOLET RADIATION  
 ∞ RADIATION  
 ULTRAVIOLET TELESCOPES  
 X RAYS

**FAR UV SPECTROSCOPIC EXPLORER**

GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . EXPLORER SATELLITES

**FAR UV SPECTROSCOPIC EXPLORER-(CONT.)**

. . . **FAR UV SPECTROSCOPIC  
 EXPLORER**

**FARADAY DARK SPACE**

RT GAS DISCHARGE TUBES  
 GLOW DISCHARGES

**FARADAY EFFECT**

UF FARADAY ROTATION  
 GS ELECTROMAGNETIC PROPERTIES  
 . **FARADAY EFFECT**  
 RT CIRCULATORS (PHASE SHIFT CIRCUITS)  
 ∞ EFFECTS  
 HALL GENERATORS  
 KERR MAGNETOOPTICAL EFFECT  
 MAGNETO-OPTICS  
 OPTICAL MEASUREMENT  
 OPTICAL PROPERTIES  
 POLARIZATION (WAVES)  
 POLARIZED ELECTROMAGNETIC  
 RADIATION  
 ROTATION

**FARADAY ROTATION**

USE FARADAY EFFECT

**FARM CROPS**

GS **FARM CROPS**  
 . ALFALFA  
 . COFFEE  
 . COTTON  
 . FRUITS  
 . GRAINS (FOOD)  
 . . BARLEY  
 . . CORN  
 . . MILLET  
 . . OATS  
 . . RICE  
 . . SORGHUM  
 . . WHEAT  
 . HAY  
 . LEGUMINOUS PLANTS  
 . . SOYBEANS  
 . . POTATOES  
 . SPINACH  
 . SUGAR BEETS  
 . SUGAR CANE  
 . SUNFLOWERS  
 RT AGRICULTURE  
 AGRISTARS PROJECT  
 BOTANY  
 CROP CALENDARS  
 CROP DUSTING  
 CROP GROWTH  
 CROP INVENTORIES  
 CROP VIGOR  
 ∞ CROPS  
 CURING  
 EARTH RESOURCES  
 FARMLANDS  
 FROST DAMAGE  
 GRASSES  
 GRASSLANDS  
 IRRIGATION  
 LARGE AREA CROP INVENTORY  
 EXPERIMENT  
 LOCUSTS  
 ORCHARDS  
 PLANTING  
 PLANTS (BOTANY)  
 PLOWING  
 SEEDS  
 VINEYARDS

**FARMLANDS**

UF CROPLANDS  
 PLOWED FIELDS  
 GS LAND  
 . **FARMLANDS**  
 RT AGRICULTURE  
 AGROPHYSICAL UNITS  
 CROP GROWTH  
 CROP IDENTIFICATION  
 CROP INVENTORIES  
 CROP VIGOR  
 ∞ CROPS  
 EARTH RESOURCES  
 FARM CROPS  
 GRASSES  
 GRASSLANDS  
 HAY  
 IRRIGATION  
 LAND USE  
 PLAINS

**FARMLANDS-(CONT.)**

PLANTING  
 PLOWING  
 REGIONAL PLANNING  
 RURAL AREAS  
 RURAL LAND USE  
 SOD  
 SUGAR BEETS  
 SUGAR CANE

**FAST FOURIER TRANSFORMATIONS**

UF FFT  
 GS FUNCTIONS (MATHEMATICS)  
 . FOURIER TRANSFORMATION  
 . . **FAST FOURIER TRANSFORMATIONS**  
 TRANSFORMATIONS (MATHEMATICS)  
 . INTEGRAL TRANSFORMATIONS  
 . . FOURIER TRANSFORMATION  
 . . . **FAST FOURIER TRANSFORMATIONS**  
 WALSH FUNCTION  
 RT

**FAST NEUTRONS**

GS NUCLEAR RADIATION  
 . **FAST NEUTRONS**  
 PARTICLES  
 . ELEMENTARY PARTICLES  
 . . FERMIONS  
 . . . NEUTRONS  
 . . . . **FAST NEUTRONS**  
 . . . NEUTRAL PARTICLES  
 . . . NEUTRONS  
 . . . **FAST NEUTRONS**  
 BARYONS  
 NUCLEONS  
 THERMAL NEUTRONS  
 RT

**FAST NUCLEAR REACTORS**

GS NUCLEAR REACTORS  
 . **FAST NUCLEAR REACTORS**  
 . . EXPERIMENTAL BREEDER REACTOR  
 1  
 . . EXPERIMENTAL BREEDER REACTOR  
 2  
 . . FAST OXIDE REACTORS  
 . . FAST TEST REACTORS  
 . . GAS COOLED FAST REACTORS  
 . . LIQUID METAL FAST BREEDER  
 REACTORS  
 RT ENRICO FERMI ATOMIC POWER PLANT  
 NUCLEAR POWER REACTORS

**FAST OXIDE REACTORS**

GS NUCLEAR REACTORS  
 . FAST NUCLEAR REACTORS  
 . . **FAST OXIDE REACTORS**  
 NUCLEAR POWER REACTORS  
 RT

**FAST TEST REACTORS**

GS NUCLEAR REACTORS  
 . FAST NUCLEAR REACTORS  
 . . **FAST TEST REACTORS**  
 RT ∞ REACTORS

**FASTENERS**

GS **FASTENERS**  
 . ANCHORS (FASTENERS)  
 . BOLTS  
 . . ROCK BOLTS  
 . . TIEBOLTS  
 . LOCKS (FASTENERS)  
 . NUTS (FASTENERS)  
 . PINS  
 . RIVETS  
 . SCREWS  
 . WASHERS (SPACERS)  
 . ZIPPERS  
 RT ADHESIVES  
 ∞ BANDS  
 ∞ BELTS  
 BRACKETS  
 CABLES (ROPES)  
 CHAINS  
 CLAMPS  
 CLIPS  
 CLOSURES  
 CONNECTORS  
 COUPLINGS  
 FITTINGS  
 HOLDERS  
 HOOKS  
 INSERTS  
 INTERFERENCE FIT  
 JOINTS (JUNCTIONS)  
 LATCHES  
 LINKAGES



## FASTING

### FASTENERS-(CONT.)

LOCKING  
LUGS  
MOORING  
RIBBONS  
SLEEVES  
SPACERS  
∞ SPIKES  
SPLICING  
SPLINES  
STRAPS  
STRUCTURAL MEMBERS  
STUDS (STRUCTURAL MEMBERS)  
∞ TAPES  
UNIONS (CONNECTORS)  
WIRE

### FASTING

RT AEROSPACE MEDICINE  
DIETS  
FOOD INTAKE  
HYPOXIA

### FAT EMBOLISMS

GS DISEASES  
. FAT EMBOLISMS  
EMBOLISMS  
. FAT EMBOLISMS  
RT AEROEMBOLISM  
BLOOD VESSELS  
CARDIOVASCULAR SYSTEM  
HEART DISEASES

### FATIGUE (BIOLOGY)

GS **FATIGUE (BIOLOGY)**  
. AUDITORY FATIGUE  
. FLIGHT FATIGUE  
. MUSCULAR FATIGUE  
RT ASTHENOPIA  
∞ BIOLOGY  
DAMAGE  
EFFORT  
EXHAUSTION  
HUMAN FACTORS ENGINEERING  
HYPERKINESIA  
MASSAGING  
∞ PERFORMANCE  
PHYSICAL EXERCISE  
STRESS (PHYSIOLOGY)  
STRESS (PSYCHOLOGY)  
WORK-REST CYCLE  
WORKLOADS (PSYCHOPHYSIOLOGY)

### FATIGUE (MATERIALS)

UF STRAIN FATIGUE  
STRUCTURAL FATIGUE  
GS **FATIGUE (MATERIALS)**  
. ACOUSTIC FATIGUE  
. BENDING FATIGUE  
. METAL FATIGUE  
. STRUCTURAL STRAIN  
. THERMAL FATIGUE  
. VOLUMETRIC STRAIN  
RT BAUSCHINGER EFFECT  
CRACK CLOSURE  
CRACK GEOMETRY  
CRACK PROPAGATION  
CRACKING (FRACTURING)  
CRACKS  
CREEP PROPERTIES  
CRYSTAL DISLOCATIONS  
CYCLES  
DAMAGE  
DESTRUCTION  
DUCTILITY  
∞ ENDURANCE  
FAILURE  
FRACTOGRAPHY  
FRETTING  
FRETTING CORROSION  
HARDNESS  
∞ MATERIALS  
MECHANICAL PROPERTIES  
NOTCH SENSITIVITY  
PLASTIC PROPERTIES  
RESIDUAL STRENGTH  
S-N DIAGRAMS  
SHEAR PROPERTIES  
SHOT PEENING  
STRESS CONCENTRATION  
STRESS CYCLES  
STRESS RATIO  
STRESS RELAXATION  
STRESS RELIEVING  
STRESSES

### FATIGUE (MATERIALS)-(CONT.)

STRUCTURAL FAILURE  
SURFACE DEFECTS  
SYSTEM FAILURES  
TEMPERATURE INVERSIONS  
THERMAL STRESSES  
VIBRATION

### FATIGUE DIAGRAMS

USE S-N DIAGRAMS

### FATIGUE LIFE

GS LIFE (DURABILITY)  
. **FATIGUE LIFE**  
MECHANICAL PROPERTIES  
. **FATIGUE LIFE**  
RT ACCELERATED LIFE TESTS  
BLOWOUTS  
COFFIN-MANSON LAW  
COMBINED STRESS  
FAILURE ANALYSIS  
INTERFERENCE FIT  
PALMGREN-MINER RULE  
RETIREMENT FOR CAUSE  
S-N DIAGRAMS  
SERVICE LIFE  
SHORT CRACKS  
STRESS CYCLES

### FATIGUE TESTING MACHINES

RT ACOUSTIC EMISSION  
∞ MACHINERY  
∞ TEST EQUIPMENT

### FATIGUE TESTS

RT BENDING  
COFFIN-MANSON LAW  
CREEP TESTS  
DESTRUCTIVE TESTS  
FERROGRAPHY  
IMPACT TESTING MACHINES  
IMPACT TESTS  
LOAD TESTS  
∞ MATERIALS TESTS  
NOTCH STRENGTH  
NOTCH TESTS  
RESONANCE TESTING  
S-N DIAGRAMS  
SPECIMEN GEOMETRY  
STATIC TESTS  
STRESS CONCENTRATION  
STRESS CYCLES  
STRESS RATIO  
TENSILE TESTS  
TESTING TIME  
∞ TESTS  
THERMAL CYCLING TESTS  
WEIBULL DENSITY FUNCTIONS  
WELD TESTS

### FATS

GS ORGANIC COMPOUNDS  
. LIPIDS  
. **FATS**  
RT ADIPOSE TISSUES  
∞ FOOD  
GREASES  
MYELIN  
∞ NUTRIENTS  
OILS  
PALMITIC ACID  
SYNTHETIC FOOD

### FATTY ACIDS

GS ACIDS  
. CARBOXYLIC ACIDS  
. **FATTY ACIDS**  
. ACETIC ACID  
. ETHYLENEDIAMINETETRAACETIC ACIDS  
. IODOACETIC ACID  
. ACETYLSALICYLIC ACID  
. BENZILIC ACID  
. BENZOIC ACID  
. LIPOIC ACID  
. OLEIC ACID  
. PALMITIC ACID  
. PROPIONIC ACID  
. SEBACIC ACID  
. VALERIC ACID  
ORGANIC COMPOUNDS  
. CARBOXYLIC ACIDS  
. **FATTY ACIDS**  
. ACETIC ACID

### FATTY ACIDS-(CONT.)

. . . . ETHYLENEDIAMINETETRAACETIC ACIDS  
. IODOACETIC ACID  
. ACETYLSALICYLIC ACID  
. BENZILIC ACID  
. BENZOIC ACID  
. LIPOIC ACID  
. OLEIC ACID  
. PALMITIC ACID  
. PROPIONIC ACID  
. SEBACIC ACID  
. VALERIC ACID  
RT ∞ ALIPHATIC COMPOUNDS  
CASTOR OIL  
∞ NUTRIENTS

### FAULT MECHANICS

USE FRACTURE MECHANICS

### FAULT TOLERANCE

RT ERROR ANALYSIS  
ERROR DETECTION CODES  
FAIL-SAFE SYSTEMS  
FAILURE ANALYSIS  
RELIABILITY ENGINEERING

### FAULT TREES

GS TREES (MATHEMATICS)  
. **FAULT TREES**  
RT GRAPHS (CHARTS)  
TOPOLOGY

### ∞ FAULTS

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
RT ELECTRICAL FAULTS  
GEOLOGICAL FAULTS  
LANDFORMS  
MASSIFS  
SEAMOUNTS  
TEST PATTERN GENERATORS

### FAUNA

USE ANIMALS

### FAYALITE

GS IRON COMPOUNDS  
. **FAYALITE**  
MINERALS  
. **FAYALITE**  
SILICON COMPOUNDS  
. SILICATES  
. **FAYALITE**

### FBFM (MODULATION)

USE FEEDBACK FREQUENCY MODULATION

### FBM (MISSILES)

USE FLEET BALLISTIC MISSILES

### FCC LATTICES

USE FACE CENTERED CUBIC LATTICES

### FD 2 AIRCRAFT

UF FAIREY DELTA 2 AIRCRAFT  
GS FAIREY AIRCRAFT  
. **FD 2 AIRCRAFT**  
JET AIRCRAFT  
. **FD 2 AIRCRAFT**  
MONOPLANES  
. **FD 2 AIRCRAFT**  
RESEARCH AIRCRAFT  
. **FD 2 AIRCRAFT**  
TAILLESS AIRCRAFT  
. **FD 2 AIRCRAFT**  
RT ∞ AIRCRAFT  
DELTA WINGS

### FDL-5 REENTRY VEHICLE

GS LIFTING BODIES  
. LIFTING REENTRY VEHICLES  
. **FDL-5 REENTRY VEHICLE**  
REENTRY VEHICLES  
. MANEUVERABLE REENTRY BODIES  
. LIFTING REENTRY VEHICLES  
. **FDL-5 REENTRY VEHICLE**

### FDMA

USE FREQUENCY DIVISION MULTIPLE ACCESS

**FEAR**

GS PHOBIAS  
 . FEAR  
 . . FEAR OF FLYING  
 RT ANXIETY  
 EMOTIONS  
 NEUROSES  
 PANIC  
 PSYCHOSES

**FEAR OF FLYING**

GS PHOBIAS  
 . FEAR  
 . . FEAR OF FLYING  
 RT ANXIETY  
 EMOTIONS  
 NEUROSES

**FEASIBILITY**

RT COST ANALYSIS  
 COSTS  
 EFFICIENCY  
 ESTIMATING  
 EVALUATION

**FEASIBILITY ANALYSIS**

RT COST ANALYSIS  
 ECONOMIC FACTORS  
 MANAGEMENT PLANNING  
 RESEARCH MANAGEMENT  
 SYSTEMS ANALYSIS  
 TECHNOLOGY ASSESSMENT

**FEATHER RIVER BASIN (CA)**

GS LANDFORMS  
 . STRUCTURAL BASINS  
 . . RIVER BASINS  
 . . . FEATHER RIVER BASIN (CA)  
 RT CALIFORNIA  
 RIVERS

**FEATHERING**

RT PROPELLER BLADES  
 PROPELLERS

**FEATURE EXTRACTION**

USE PATTERN RECOGNITION

**FEATURE IDENTIFICATION AND LOCATION  
EXPER**

SN (FEATURE IDENTIFICATION AND  
 LOCATION EXPERIMENT)  
 RT EARTH OBSERVATIONS (FROM SPACE)  
 IMAGE PROCESSING  
 PATTERN RECOGNITION  
 REMOTE SENSING  
 REMOTE SENSORS  
 SCENE ANALYSIS  
 SPACE SHUTTLE PAYLOADS

**FECES**

GS WASTES  
 . METABOLIC WASTES  
 . . HUMAN WASTES  
 . . . FECES  
 RT EXCRETION  
 PERSPIRATION  
 URINE

**FEDERAL BUDGETS**

RT ALLOCATIONS  
 APPROPRIATIONS  
 ∞ BUDGETS  
 CONTRACTS  
 COST ESTIMATES  
 FINANCIAL MANAGEMENT  
 GOVERNMENT PROCUREMENT  
 PROCUREMENT MANAGEMENT

**FEDERAL REPUBLIC OF GERMANY**

USE WEST GERMANY

**FEDERATIONS**

GS ORGANIZATIONS  
 . FEDERATIONS  
 . . BUREAUS (ORGANIZATIONS)  
 RT INSTITUTIONS  
 INTERNATIONAL COOPERATION  
 NATIONS  
 TEAMS  
 UNIONIZATION  
 UNITED NATIONS

**FEED SYSTEMS**

RT COLD FLOW TESTS  
 FEEDING (SUPPLYING)  
 FUEL TANKS  
 INTAKE SYSTEMS  
 PUMPS  
 ∞ SYSTEMS

**FEEDBACK**

GS **FEEDBACK**  
 . BIOFEEDBACK  
 . . SENSORY FEEDBACK  
 . . NEGATIVE FEEDBACK  
 . . NONLINEAR FEEDBACK  
 . . POSITIVE FEEDBACK  
 RT COMPENSATORS  
 COMPLEXITY  
 CONTROL THEORY  
 CYBERNETICS  
 ELECTROMAGNETIC INTERFERENCE  
 EMOTIONAL FACTORS  
 OSCILLATIONS  
 OSCILLATORS  
 ∞ SYSTEMS  
 TRANSFER FUNCTIONS

**FEEDBACK AMPLIFIERS**

GS AMPLIFIERS  
 . **FEEDBACK AMPLIFIERS**  
 RT DISTRIBUTED FEEDBACK LASERS  
 NONLINEAR FEEDBACK  
 OPERATIONAL AMPLIFIERS  
 OSCILLATORS  
 PHANTASTRONS  
 POSITIVE FEEDBACK  
 POWER AMPLIFIERS  
 SELF OSCILLATION  
 SERVOAMPLIFIERS  
 TRANSISTOR AMPLIFIERS  
 VOLTAGE AMPLIFIERS

**FEEDBACK CIRCUITS**

GS CIRCUITS  
 . **FEEDBACK CIRCUITS**  
 RT FEEDFORWARD CONTROL  
 TRANSFER FUNCTIONS

**FEEDBACK CONTROL**

UF CLOSED LOOP SYSTEMS  
 GS AUTOMATIC CONTROL  
 . **FEEDBACK CONTROL**  
 . . CASCADE CONTROL  
 RT ADAPTIVE CONTROL  
 ADAPTIVE OPTICS  
 AUTOMATIC FREQUENCY CONTROL  
 AUTOMATIC GAIN CONTROL  
 ∞ AUTOMATION  
 ∞ BIOFEEDBACK  
 ∞ CONTROL  
 CONTROL EQUIPMENT  
 CONTROL SYSTEMS DESIGN  
 CONTROL THEORY  
 DISTRIBUTED FEEDBACK LASERS  
 DYNAMIC CONTROL  
 ELECTRONIC CONTROL  
 KALMAN-SCHMIDT FILTERING  
 LEARNING MACHINES  
 LINEAR QUADRATIC GAUSSIAN  
 CONTROL  
 LINEAR QUADRATIC REGULATOR  
 MODEL REFERENCE ADAPTIVE  
 CONTROL  
 NEGATIVE FEEDBACK  
 NONLINEAR FEEDBACK  
 OBSERVABILITY (SYSTEMS)  
 OPTIMAL CONTROL  
 PROPORTIONAL CONTROL  
 ROBUSTNESS (MATHEMATICS)  
 SERVOCONTROL  
 SERVOMECHANISMS  
 STABILITY AUGMENTATION  
 TERMINAL CONFIGURED VEHICLE  
 PROGRAM  
 TRACKING PROBLEM

**FEEDBACK FREQUENCY MODULATION**

UF FBFM (MODULATION)  
 GS CODING  
 . SIGNAL ENCODING  
 . . FREQUENCY MODULATION  
 . . . **FEEDBACK FREQUENCY  
 MODULATION**  
 MODULATION  
 . FREQUENCY MODULATION

**FEEDBACK FREQUENCY MODULATION-(CONT.)**

. . **FEEDBACK FREQUENCY  
 MODULATION**  
 RT PHASE LOCKED SYSTEMS

**FEEDERS**

SN (FOR FLUID AND PARTICULATE  
 MATERIALS)  
 RT CONVEYORS  
 DISPENSERS  
 DISTRIBUTORS  
 FEEDING (SUPPLYING)  
 FUEL SYSTEMS  
 INJECTORS  
 INTAKE SYSTEMS  
 LOADING OPERATIONS  
 MATERIALS HANDLING  
 MIXERS

**FEEDFORWARD CONTROL**

GS AUTOMATIC CONTROL  
 . **FEEDFORWARD CONTROL**  
 RT ADAPTIVE CONTROL  
 ∞ AUTOMATION  
 ∞ CONTROL  
 CONTROL THEORY  
 FEEDBACK CIRCUITS  
 MODEL REFERENCE ADAPTIVE  
 CONTROL  
 OPTIMAL CONTROL

**FEEDING (SUPPLYING)**

RT FEED SYSTEMS  
 FEEDERS  
 INJECTION  
 INPUT  
 ∞ LOADING  
 MATERIALS HANDLING

**FEELINGS**

USE SENSORY FEEDBACK

**FEET (ANATOMY)**

GS ANATOMY  
 . LIMBS (ANATOMY)  
 . . LEG (ANATOMY)  
 . . . **FEET (ANATOMY)**  
 APPENDAGES  
 . LEG (ANATOMY)  
 . . **FEET (ANATOMY)**  
 RT PHYSIOLOGY

**FELDSPARS**

GS ALUMINUM COMPOUNDS  
 . **FELDSPARS**  
 MINERALS  
 . **FELDSPARS**  
 SILICON COMPOUNDS  
 . SILICATES  
 . . **FELDSPARS**  
 RT ANDESITE  
 ANORTHOSITE  
 FELSITE  
 IGNEOUS ROCKS

**FELLOWSHIP AIRCRAFT**

USE F-28 TRANSPORT AIRCRAFT

**FELSITE**

GS ROCKS  
 . IGNEOUS ROCKS  
 . . **FELSITE**  
 RT FELDSPARS  
 MINERALS  
 QUARTZ

**FELTS**

GS FABRICS  
 . **FELTS**  
 RT WOOL

**FEMALES**

UF WOMEN  
 RT CHILDREN  
 GYNECOLOGY  
 HUMAN BEINGS  
 MALES  
 MENSTRUATION  
 SEX  
 SEX FACTOR

**FEMUR**

GS ANATOMY  
 . MUSCULOSKELETAL SYSTEM

## FENCES

### FEMUR-(CONT.)

- ... BONES
- ... **FEMUR**
- RT KNEE (ANATOMY)
- LEG (ANATOMY)

### ∞ FENCES

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT AIRFOIL FENCES
- FENCES (BARRIERS)
- TRACKING STATIONS

### FENCES (BARRIERS)

- RT ∞ BARRIERS
- BOUNDARIES
- ∞ FENCES
- GATES (OPENINGS)

### FERMAT PRINCIPLE

- RT ELECTROMAGNETIC WAVE
- TRANSMISSION
- LIGHT TRANSMISSION
- MULTIPATH TRANSMISSION
- OPTICAL THICKNESS
- VELOCITY

### FERMENTATION

- GS CHEMICAL REACTIONS
- ... **FERMENTATION**
- METABOLISM
- ENZYME ACTIVITY
- ... **FERMENTATION**
- RT BIOCONVERSION
- BUTYRIC ACID

### FERMI LIQUIDS

- GS LIQUIDS
- CRYOGENIC FLUIDS
- ... **FERMI LIQUIDS**
- RT CRYOGENICS

### FERMI SURFACES

- RT BRILLOUIN ZONES
- CYCLOTRON RESONANCE
- ENERGY LEVELS
- MAGNETORESISTIVITY
- ∞ SURFACES
- TRANSITION PROBABILITIES

### FERMI-DIRAC STATISTICS

- RT BOSONS
- DEGENERATE MATTER
- FERMIONS
- QUANTUM MECHANICS
- QUANTUM STATISTICS
- ∞ STATISTICS

### FERMIONS

- GS PARTICLES
- ... ELEMENTARY PARTICLES
- ... **FERMIONS**
- ... BARYONS
- ... HYPERONS
- ... XI HYPERONS
- ... OMEGA-MESONS
- ... RHO-MESONS
- ... SIGMA-MESONS
- ... ETA-MESONS
- ... LEPTONS
- ... ANTINEUTRINOS
- ... MUONS
- ... NEUTRINOS
- ... SOLAR NEUTRINOS
- ... MESON RESONANCE
- ... NEUTRONS
- ... COLD NEUTRONS
- ... FAST NEUTRONS
- ... PHOTONEUTRONS
- ... SOLAR NEUTRONS
- ... THERMAL NEUTRONS
- ... PROTONS
- ... RECOIL PROTONS
- ... SOLAR PROTONS
- RT FERMI-DIRAC STATISTICS
- PAULI EXCLUSION PRINCIPLE
- QUANTUM STATISTICS
- SUPERSYMMETRY

### FERMIUM

- GS CHEMICAL ELEMENTS
- ... ACTINIDE SERIES
- ... TRANSURANIUM ELEMENTS

### FERMIUM-(CONT.)

- ... **FERMIUM**
- ... NUCLIDES
- ... ISOTOPES
- ... RADIOACTIVE ISOTOPES
- ... TRANSURANIUM ELEMENTS
- ... **FERMIUM**
- ... METALS
- ... ACTINIDE SERIES
- ... TRANSURANIUM ELEMENTS
- ... **FERMIUM**

### FERRANTI MERCURY COMPUTER

- GS DATA PROCESSING EQUIPMENT
- ... COMPUTERS
- ... DIGITAL COMPUTERS
- ... **FERRANTI MERCURY COMPUTER**

### FERRATES

- GS IRON COMPOUNDS
- ... **FERRATES**
- ... BARIUM FERRATES

### FERRIC IONS

- GS IONS
- ... METAL IONS
- ... **FERRIC IONS**
- RT IRON

### FERRIMAGNETIC MATERIALS

- GS MAGNETIC MATERIALS
- ... **FERRIMAGNETIC MATERIALS**
- RT FERROMAGNETIC MATERIALS
- ∞ MATERIALS

### FERRIMAGNETISM

- GS MAGNETIC PROPERTIES
- ... **FERRIMAGNETISM**
- RT FERRIMAGNETS
- MAGNONS

### FERRIMAGNETS

- GS MAGNETS
- ... **FERRIMAGNETS**
- RT FERRIMAGNETISM
- PERMANENT MAGNETS

### FERRITES

- GS IRON COMPOUNDS
- ... **FERRITES**
- RT AUSTENITE
- FERRITIC STAINLESS STEELS
- GYRATORS
- IRON ALLOYS
- MAGNETIC CORES
- MICROSTRUCTURE
- PEARLITE
- SPINEL
- STEELS
- YTTRIUM-ALUMINUM GARNET
- YTTRIUM-IRON GARNET

### FERRITIC STAINLESS STEELS

- GS ALLOYS
- ... IRON ALLOYS
- ... STEELS
- ... STAINLESS STEELS
- ... **FERRITIC STAINLESS STEELS**
- RT CHROMIUM STEELS
- FERRITES
- HEAT TREATMENT
- MAGNETIC PROPERTIES
- MECHANICAL PROPERTIES

### FERROALLOYS

- USE IRON ALLOYS

### FERROCENES

- GS IRON COMPOUNDS
- ... **FERROCENES**
- ... ALKYLFERROCENE
- ... ORGANOMETALLIC COMPOUNDS
- ... **FERROCENES**
- ... ALKYLFERROCENE

### FERROELECTRICITY

- GS ELECTRICAL PROPERTIES
- ... **FERROELECTRICITY**
- RT ANTIFERROELECTRICITY
- CURIE TEMPERATURE
- DIELECTRIC PROPERTIES
- MICROWAVE SWITCHING

### FERROFLUIDS

- GS LIQUIDS
- ... **FERROFLUIDS**
- MAGNETIC MATERIALS
- ... FERROMAGNETIC MATERIALS
- ... **FERROFLUIDS**
- RT DISPERSIONS
- ∞ FLUIDS
- MICROPARTICLES
- SUSPENDING (MIXING)
- ∞ SUSPENSIONS
- WORKING FLUIDS

### FERROGRAPHY

- RT FATIGUE TESTS
- METALLOGRAPHY
- WEAR TESTS

### FERROMAGNETIC FILMS

- GS MAGNETIC MATERIALS
- ... FERROMAGNETIC MATERIALS
- ... **FERROMAGNETIC FILMS**
- THIN FILMS
- ... **FERROMAGNETIC FILMS**

### FERROMAGNETIC MATERIALS

- GS MAGNETIC MATERIALS
- ... **FERROMAGNETIC MATERIALS**
- ... FERROFLUIDS
- ... FERROMAGNETIC FILMS
- ... MAGNETITE
- ... PERMALLOYS (TRADEMARK)
- RT FERRIMAGNETIC MATERIALS
- MAGNETS
- ∞ MATERIALS
- PERMANENT MAGNETS
- YOKES

### FERROMAGNETIC RESONANCE

- GS RESONANCE
- ... MAGNETIC RESONANCE
- ... **FERROMAGNETIC RESONANCE**
- RT MAGNETIC FIELDS
- PARAMAGNETIC RESONANCE

### FERROMAGNETISM

- GS MAGNETIC PROPERTIES
- ... **FERROMAGNETISM**
- RT ANTIFERROMAGNETISM
- CURIE TEMPERATURE
- CURIE-WEISS LAW
- DIAMAGNETISM
- ISING MODEL
- LANGEVIN FORMULA
- MAGNETIC CORES
- MAGNETIC DISPERSION
- MAGNETS
- MAGNONS

### FERROUS METALS

- GS METALS
- ... **FERROUS METALS**
- RT ALLOYS
- CHEMICAL ELEMENTS
- IRON
- IRON ISOTOPES
- ∞ METALLURGY

### FERRY SPACECRAFT

- UF SPACE BUSES
- GS MANEUVERABLE SPACECRAFT
- ... **FERRY SPACECRAFT**
- MANNED SPACECRAFT
- ... **FERRY SPACECRAFT**
- RT ASTRO VEHICLE
- CARGO SPACECRAFT
- COLUMBUS SPACE STATION
- MARS (MANNED REUSABLE SPACECRAFT)
- REENTRY VEHICLES
- RENDEZVOUS SPACECRAFT
- REUSABLE SPACECRAFT
- SOFT LANDING SPACECRAFT
- SPACE STATIONS

### FERTILITY

- RT BREEDING (REPRODUCTION)
- FERTILIZATION
- ∞ REPRODUCTION
- REPRODUCTION (BIOLOGY)
- REPRODUCTIVE SYSTEMS

### FERTILIZATION

- RT BIRTH

## FIELD ARMY BALLISTIC MISSILES

### FERTILIZATION-(CONT.)

FERTILITY  
RECOMBINATION REACTIONS  
∞ REPRODUCTION  
SPERMATOZOA

### FERTILIZERS

RT AMMONIA  
AMMONIUM NITRATES  
ASHES  
CULTIVATION  
PLANTING  
UREAS  
VEGETATION GROWTH

### FET (TRANSISTORS)

USE FIELD EFFECT TRANSISTORS

### FETUSES

UF FOETUSES  
RT BIRTH  
EGGS  
EMBRYOLOGY  
EMBRYOS  
REPRODUCTION (BIOLOGY)  
REPRODUCTIVE SYSTEMS

### FEVER

RT BODY TEMPERATURE  
HYPERTHERMIA  
SKIN TEMPERATURE (BIOLOGY)

### FEYNMAN DIAGRAMS

GS DIAGRAMS  
FEYNMAN DIAGRAMS  
RT ELECTROMAGNETIC INTERACTIONS  
MINKOWSKI SPACE  
PARTICLE INTERACTIONS  
QUANTUM ELECTRODYNAMICS

### FFAR ROCKET VEHICLE

USE FOLDING FIN AIRCRAFT ROCKET  
VEHICLE

### FFT

USE FAST FOURIER TRANSFORMATIONS

### FH-1100 HELICOPTER

USE OH-5 HELICOPTER

### FIAT AIRCRAFT

GS FIAT AIRCRAFT  
G-91 AIRCRAFT  
G-95/4 AIRCRAFT  
G-222 AIRCRAFT  
RT ∞ AIRCRAFT

### FIAT G-91 AIRCRAFT

USE G-91 AIRCRAFT

### FIAT G-95/4 AIRCRAFT

USE G-95/4 AIRCRAFT

### FIAT G-222 AIRCRAFT

USE G-222 AIRCRAFT

### FIBER COMPOSITES

GS COMPOSITE MATERIALS  
FIBER COMPOSITES  
CARBON FIBER REINFORCED  
PLASTICS  
GLASS FIBER REINFORCED PLASTICS  
RT ALUMINUM BORON COMPOSITES  
ALUMINUM GRAPHITE COMPOSITES  
BORON FIBERS  
BORON REINFORCED MATERIALS  
BORON-EPOXY COMPOSITES  
BORSIC (TRADENAME)  
CARBON FIBERS  
CARBON-CARBON COMPOSITES  
CERAMIC FIBERS  
COMPOSITE WRAPPING  
FILAMENT WINDING  
GRAPHITE  
GRAPHITE-EPOXY COMPOSITES  
LAMINATES  
MATRIX MATERIALS  
METAL FIBERS  
METAL MATRIX COMPOSITES  
MICARTA  
POLYMER MATRIX COMPOSITES  
PULTRUSION  
REINFORCED PLASTICS  
REINFORCING FIBERS

### FIBER COMPOSITES-(CONT.)

REINFORCING MATERIALS  
SUPERHYBRID MATERIALS  
THREE DIMENSIONAL COMPOSITES

### FIBER OPTICS

RT CASSEGRAIN OPTICS  
CRYSTAL OPTICS  
ELECTRON TUBES  
GEOMETRICAL OPTICS  
GRADIENT INDEX OPTICS  
LIGHT TRANSMISSION  
OPTICAL FIBERS  
∞ OPTICS  
OPTOELECTRONIC DEVICES  
PHOTONICS  
PHYSICAL OPTICS  
SAGNAC EFFECT  
VIDICONS

### FIBER ORIENTATION

RT BORON FIBERS  
CERAMIC FIBERS  
COMPOSITE MATERIALS  
DYNAMIC RESPONSE  
EPOXY MATRIX COMPOSITES  
GLASS FIBER REINFORCED PLASTICS  
IMPACT LOADS  
LAY-UP  
MECHANICAL PROPERTIES  
∞ ORIENTATION  
REINFORCING FIBERS

### FIBER RELEASE

GS RELEASING  
FIBER RELEASE  
RT CARBON FIBERS  
COMBUSTION PRODUCTS  
COMPOSITE MATERIALS  
FIBERS  
FIRES  
GRAPHITE

### FIBER STRENGTH

GS MECHANICAL PROPERTIES  
FIBER STRENGTH  
RT BENDING  
BORON FIBERS  
CERAMIC FIBERS  
COMPRESSIVE STRENGTH  
HOOKES LAW  
POISSON RATIO  
SHEAR STRENGTH  
∞ STRENGTH  
TENSILE STRENGTH

### FIBERBOARD

USE BOARDS (PAPER)

### FIBERGLASS

USE GLASS FIBERS

### FIBERS

UF FIBROUS MATERIALS  
REFRASIL (TRADEMARK)  
GS FIBERS  
COTTON FIBERS  
HAIR  
LINEN  
METAL FIBERS  
MICROFIBERS  
OPTICAL FIBERS  
REINFORCING FIBERS  
BORON FIBERS  
CARBON FIBERS  
SILK  
SYNTHETIC FIBERS  
CERAMIC FIBERS  
DACRON (TRADEMARK)  
FORTISAN (TRADEMARK)  
GLASS FIBERS  
NYLON (TRADEMARK)  
RAYON  
VYCOR  
WOOL  
RT BORON REINFORCED MATERIALS  
CARBON FIBER REINFORCED PLASTICS  
COMPOSITE MATERIALS  
CORDAGE  
COTTON  
FABRICS  
FIBER RELEASE  
∞ FILAMENTS  
GLASS FIBER REINFORCED PLASTICS  
METAL MATRIX COMPOSITES

### FIBERS-(CONT.)

PAPERS  
POLYMERIC FILMS  
REINFORCING MATERIALS  
SLIVERS  
STRANDS  
TEXTILES  
WET SPINNING  
WHISKERS (CRYSTALS)  
YARNS

### FIBERS (MATHEMATICS)

RT CANONICAL FORMS  
DIMENSIONAL ANALYSIS  
FUNCTION SPACE  
GROUP THEORY  
HOMOTOPY THEORY  
MANIFOLDS (MATHEMATICS)  
TOPOLOGY

### FIBONACCI NUMBERS

RT NUMBER THEORY  
∞ NUMBERS  
SET THEORY

### FIBRILLATION

RT HEART DISEASES  
MUSCLES  
SEISMOCARDIOGRAPHY

### FIBRIN

GS BIOPOLYMERS  
PROTEINS  
FIBRIN  
BODY FLUIDS  
BLOOD  
FIBRIN  
ORGANIC COMPOUNDS  
PROTEINS  
FIBRIN  
RT BLOOD COAGULATION  
COAGULATION  
FIBRINOGEN  
THROMBIN

### FIBRINOGEN

GS BIOPOLYMERS  
PROTEINS  
GLOBULINS  
FIBRINOGEN  
BODY FLUIDS  
BLOOD  
FIBRINOGEN  
ORGANIC COMPOUNDS  
PROTEINS  
GLOBULINS  
FIBRINOGEN  
RT FIBRIN  
HEMOSTATICS  
HOMEOSTASIS  
THROMBIN

### FIBROBLASTS

GS CELLS (BIOLOGY)  
FIBROBLASTS  
RT CYTOPLASM  
TENDONS  
TISSUES (BIOLOGY)

### FIBROSIS

GS DISEASES  
FIBROSIS  
CYSTIC FIBROSIS  
RT TISSUES (BIOLOGY)

### FIBROUS MATERIALS

USE FIBERS

### FICKS EQUATION

RT DIFFUSION  
DIFFUSION COEFFICIENT  
∞ EQUATIONS  
TAFL LAW

### FIDELITY

USE ACCURACY

### FIDUCIARIES

RT ECONOMICS  
FINANCE  
MANAGEMENT

### FIELD ARMY BALLISTIC MISSILES

GS MISSILES

## FIELD COILS

### FIELD ARMY BALLISTIC MISSILES-(CONT.)

- . BALLISTIC MISSILES
- . **FIELD ARMY BALLISTIC MISSILES**
- . . . SUBROC MISSILE
- RT INTERMEDIATE RANGE BALLISTIC MISSILES
- SHORT RANGE BALLISTIC MISSILES

### FIELD COILS

- GS ELECTRIC COILS
- . MAGNETIC COILS
- . . **FIELD COILS**
- RT ELECTROMAGNETS
- HELICAL INDUCERS
- MAGNET COILS

### FIELD EFFECT TRANSISTORS

- UF CASCODE MOSFET
- FET (TRANSISTORS)
- IGFET
- MESFETS
- MISFETS
- MOSFET
- GS UNIPOLAR TRANSISTORS
- ELECTRONIC EQUIPMENT
- . SOLID STATE DEVICES
- . . SEMICONDUCTOR DEVICES
- . . . TRANSISTORS
- . . . **FIELD EFFECT TRANSISTORS**
- . . . . CHARGE FLOW DEVICES
- . . . . JFET
- . . . . MODFETS
- RT  $\infty$  EFFECTS
- HIGH ELECTRON MOBILITY TRANSISTORS
- ION IMPLANTATION
- SOI (SEMICONDUCTORS)

### FIELD EMISSION

- GS EMISSION
- . PARTICLE EMISSION
- . . ELECTRON EMISSION
- . . . **FIELD EMISSION**
- RT ELECTRIC FIELDS
- ELECTRON MICROSCOPES
- ELECTRON MICROSCOPY
- MAGNETIC FIELDS
- SECONDARY EMISSION
- ZENER EFFECT

### FIELD INTENSITY METERS

- SN (EMPLOY THIS TERM WHEN TYPE OF FIELD INVOLVED IS NOT SPECIFIED--OTHERWISE USE A MORE SPECIFIC TERM)
- GS MEASURING INSTRUMENTS
- . **FIELD INTENSITY METERS**
- RT ACTINOMETERS
- FLUX DENSITY
- MAGNETOMETERS
- NOISE METERS

### FIELD MODE THEORY

- RT CAVITY RESONATORS
- DIELECTRICS
- ELECTROMAGNETIC FIELDS
- LASER MODES
- OPTICAL RESONATORS
- PROPAGATION MODES
- $\infty$  THEORIES

### FIELD OF VIEW

- GS VIEWING
- . **FIELD OF VIEW**
- RT BEARING (DIRECTION)
- CONICAL SCANNING
- ELEVATION ANGLE
- $\infty$  FIELDS
- LOOK ANGLES (TRACKING)
- VISUAL FIELDS

### FIELD STRENGTH

- GS **FIELD STRENGTH**
- . ELECTRIC FIELD STRENGTH
- . MAGNETIC FLUX
- RT ACOUSTIC PROPERTIES
- DIRECTIVITY
- ELECTRIC FIELDS
- ELECTRICAL PROPERTIES
- ELECTROMAGNETIC FIELDS
- FLUX DENSITY
- GRAVITATIONAL FIELDS
- ISOTROPY
- MAGNETIC DIFFUSION
- MAGNETIC FIELDS

### FIELD STRENGTH-(CONT.)

- MAGNETIC PROPERTIES
- $\infty$  ORIENTATION
- PERMITTIVITY
- $\infty$  STRENGTH

### FIELD THEORY (ALGEBRA)

- GS **FIELD THEORY (ALGEBRA)**
- . CUBIC EQUATIONS
- . QUADRATIC EQUATIONS
- RT  $\infty$  FIELDS
- GREEN'S FUNCTIONS
- HOMOMORPHISMS
- NONLINEAR EQUATIONS
- $\infty$  THEORIES

### FIELD THEORY (PHYSICS)

- UF AMBIT
- FORCE FIELDS
- WIGHTMAN THEORY
- GS **FIELD THEORY (PHYSICS)**
- . GRAND UNIFIED THEORY
- . . UNIFIED FIELD THEORY
- . . QUANTUM CHROMODYNAMICS
- . . INSTANTONS
- . . STRONG INTERACTIONS (FIELD THEORY)
- . . WEAK INTERACTIONS (FIELD THEORY)
- RT ANTENNA RADIATION PATTERNS
- ATTRACTION
- BOSON FIELDS
- CLOSURE LAW
- CROSSED FIELDS
- DIRAC EQUATION
- DISTRIBUTION (PROPERTY)
- $\infty$  DYNAMICS
- ELECTROMAGNETIC FIELDS
- FAR FIELDS
- $\infty$  FIELDS
- FLOW DISTRIBUTION
- FLUX (RATE)
- FLUX DENSITY
- FUNCTION SPACE
- GEOMAGNETISM
- GRAVITATIONAL FIELDS
- GREEN'S FUNCTIONS
- LIGHT-CONE EXPANSION
- MAGNETIC FIELD INVERSIONS
- MAGNETIC FIELDS
- MAGNETOSTATIC FIELDS
- MANY BODY PROBLEM
- MULTIPOLAR FIELDS
- NUCLEAR PHYSICS
- NULL ZONES
- $\infty$  PHYSICS
- POMERANCHUK THEOREM
- POTENTIAL FIELDS
- PRESSURE DISTRIBUTION
- QUANTUM ELECTRODYNAMICS
- QUANTUM THEORY
- RADIATION DISTRIBUTION
- RELATIVITY
- SELF CONSISTENT FIELDS
- SOUND FIELDS
- STRING THEORY
- SUPERGRAVITY
- SUPERSYMMETRY
- TEMPERATURE DISTRIBUTION
- TENSORS
- $\infty$  THEORIES
- TRAVELING CHARGE
- YANG-MILLS FIELDS
- YANG-MILLS THEORY
- ZERO POINT ENERGY

### $\infty$ FIELDS

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT BOSON FIELDS
- ELECTRIC FIELDS
- FIELD OF VIEW
- FIELD THEORY (ALGEBRA)
- FIELD THEORY (PHYSICS)
- GRAVITATIONAL FIELDS
- MAGNETIC FIELDS
- MILITARY AIR FACILITIES
- SELF CONSISTENT FIELDS
- VISUAL FIELDS

### FIGHTER AIRCRAFT

- UF INTERCEPTOR AIRCRAFT
- GS ATTACK AIRCRAFT
- . **FIGHTER AIRCRAFT**
- . . ALPHA JET AIRCRAFT

### FIGHTER AIRCRAFT-(CONT.)

- . . F-2 AIRCRAFT
- . . F-4 AIRCRAFT
- . . F-5 AIRCRAFT
- . . F-8 AIRCRAFT
- . . F-9 AIRCRAFT
- . . F-14 AIRCRAFT
- . . F-15 AIRCRAFT
- . . F-16 AIRCRAFT
- . . F-17 AIRCRAFT
- . . F-18 AIRCRAFT
- . . F-20 AIRCRAFT
- . . F-27 AIRCRAFT
- . . F-84 AIRCRAFT
- . . F-86 AIRCRAFT
- . . F-89 AIRCRAFT
- . . F-94 AIRCRAFT
- . . F-100 AIRCRAFT
- . . F-101 AIRCRAFT
- . . F-102 AIRCRAFT
- . . F-104 AIRCRAFT
- . . F-105 AIRCRAFT
- . . F-106 AIRCRAFT
- . . F-111 AIRCRAFT
- . . FV-12A AIRCRAFT
- . . G-91 AIRCRAFT
- . . G-95/4 AIRCRAFT
- . . GA-5 AIRCRAFT
- . . HARRIER AIRCRAFT
- . . JAGUAR AIRCRAFT
- . . JET PROVOST AIRCRAFT
- . . MIG AIRCRAFT
- . . MIRAGE AIRCRAFT
- . . MIRAGE 3 AIRCRAFT
- . . P-51 AIRCRAFT
- . . P-1127 AIRCRAFT
- . . P-1154 AIRCRAFT
- . . SAAB 37 AIRCRAFT
- . . SCIMITAR AIRCRAFT
- . . VAMPIRE MK 35 AIRCRAFT
- . . VJ-101 AIRCRAFT
- . . YF-12 AIRCRAFT
- . . YF-16 AIRCRAFT
- RT  $\infty$  AIRCRAFT
- HIGHLY MANEUVERABLE AIRCRAFT
- $\infty$  INTERCEPTORS
- JET AIRCRAFT
- $\infty$  MILITARY AIRCRAFT
- $\infty$  MILITARY AVIATION
- MRCA AIRCRAFT
- PANAVIA MILITARY AIRCRAFT
- SINGLE ENGINE AIRCRAFT
- SUPERSONIC AIRCRAFT
- TRAINING AIRCRAFT
- V/STOL AIRCRAFT

### FIGURE OF MERIT

- RT ACCEPTABILITY
- $\infty$  ANALYZING
- CRITERIA
- EFFICIENCY
- EVALUATION
- MODULATION TRANSFER FUNCTION
- OPTICAL TRANSFER FUNCTION
- $\infty$  PERFORMANCE
- Q FACTORS
- QUALITY
- SELECTION
- VALUE

### FILAMENT WINDING

- UF FILAMENT WOUND CONSTRUCTION
- GS WINDING
- . **FILAMENT WINDING**
- RT CERAMIC FIBERS
- COMPOSITE WRAPPING
- FIBER COMPOSITES
- ISOTENSOID STRUCTURES
- LAMINATES
- METAL FIBERS
- PREIMPREGNATION

### FILAMENT WOUND CONSTRUCTION

- USE FILAMENT WINDING

### $\infty$ FILAMENTS

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT BORON FIBERS
- CARBON FIBERS
- CATHODES
- CERAMIC FIBERS
- CORDAGE
- FIBERS

**FILAMENTS-(CONT.)**

IONIZERS  
 REINFORCING MATERIALS  
 RESISTORS  
 STRANDS  
 VORTEX FILAMENTS  
 WET SPINNING  
 WHISKERS (CRYSTALS)  
 WIRE

**FILAMENTS (SOLAR PHYSICS)**

USE SOLAR PROMINENCES

**FILE MAINTENANCE (COMPUTERS)**

GS MAINTENANCE  
 . **FILE MAINTENANCE (COMPUTERS)**  
 RT CHECKOUT  
 COMPUTER PROGRAMMING  
 COMPUTERS  
 PROGRAM VERIFICATION (COMPUTERS)  
 PROGRAMMERS  
 ∞ PROGRAMMING

**∞ FILES**

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT DOCUMENT STORAGE  
 FILES (TOOLS)

**FILES (TOOLS)**

GS TOOLS  
 . **FILES (TOOLS)**  
 RT ABRASION  
 ∞ FILES  
 SCRAPERS

**FILLERS**

RT ADDITIVES  
 ∞ CELLS  
 DOPES  
 OPACIFIERS  
 PAINTS  
 PIGMENTS  
 PRIMERS (COATINGS)  
 REINFORCEMENT (STRUCTURES)  
 RESINS  
 SEALERS  
 SIZING MATERIALS  
 VARNISHES

**FILLETS**

RT FAIRINGS  
 JOINTS (JUNCTIONS)  
 SEAMS (JOINTS)  
 WELDING

**FILLING**

GS **FILLING**  
 . REFILLING  
 RT ACCUMULATIONS  
 ∞ CHARGING  
 EXTENSIONS  
 INJECTION  
 INPUT  
 ∞ LOADING  
 REPLENISHMENT  
 SUPPLYING

**FILM BOILING**

GS PHASE TRANSFORMATIONS  
 . VAPORIZING  
 . BOILING  
 . . **FILM BOILING**  
 RT HEAT TRANSFER  
 LEIDENFROST PHENOMENON  
 NUCLEATE BOILING

**FILM CONDENSATION**

GS CONDENSING  
 . **FILM CONDENSATION**  
 RT CONDENSERS (LIQUEFIERS)  
 COOLING  
 HEAT TRANSFER

**FILM COOLING**

GS COOLING  
 . EVAPORATIVE COOLING  
 . . **FILM COOLING**  
 . LIQUID COOLING  
 . . **FILM COOLING**  
 RT LIQUID INJECTION  
 SURFACE COOLING  
 SWEAT COOLING

**FILM THICKNESS**

GS DIMENSIONS  
 . **FILM THICKNESS**  
 RT THICKNESS

**∞ FILMS**

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT COATINGS  
 CORROSION PREVENTION  
 ELECTRODE FILM BARRIERS  
 FABRICS  
 FLUID FILMS  
 HELIUM FILM  
 KAPTON (TRADEMARK)  
 LAMINATES  
 MAGNETIC FILMS  
 MEMBRANES  
 METAL FILMS  
 MONOMOLECULAR FILMS  
 OXIDE FILMS  
 PAPERS  
 PHOTOGRAPHIC FILM  
 POLYMERIC FILMS  
 SEMICONDUCTING FILMS  
 SILICON FILMS  
 SQUEEZE FILMS  
 THERMOPLASTIC FILMS  
 THICK FILMS  
 THIN FILMS  
 WEBS (SHEETS)

**FILTER WHEEL INFRARED SPECTROMETERS**

GS MEASURING INSTRUMENTS  
 . OPTICAL MEASURING INSTRUMENTS  
 . . INFRARED SPECTROMETERS  
 . . . **FILTER WHEEL INFRARED  
 SPECTROMETERS**  
 . SPECTROMETERS  
 . . INFRARED SPECTROMETERS  
 . . . **FILTER WHEEL INFRARED  
 SPECTROMETERS**  
 OPTICAL EQUIPMENT  
 . OPTICAL MEASURING INSTRUMENTS  
 . . INFRARED SPECTROMETERS  
 . . . **FILTER WHEEL INFRARED  
 SPECTROMETERS**  
 RT EBERT SPECTROMETERS  
 ∞ FILTERS  
 INFRARED SPECTROPHOTOMETERS  
 SOLAR SPECTROMETERS

**FILTERGRAMS**

RT OPTICAL FILTERS  
 SOLAR INSTRUMENTS  
 SOLAR PHYSICS  
 SOLAR SPECTRA

**FILTERING**

USE FILTRATION

**∞ FILTERS**

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT ABSORBERS (MATERIALS)  
 ADAPTIVE FILTERS  
 AIR FILTERS  
 ATTENUATORS  
 BANDPASS FILTERS  
 BANDSTOP FILTERS  
 BIREFRINGENT FILTERS  
 CRYSTAL FILTERS  
 DIGITAL FILTERS  
 ELECTRIC FILTERS  
 ELECTROMAGNETIC WAVE FILTERS  
 ELECTRONIC FILTERS  
 FILTER WHEEL INFRARED  
 SPECTROMETERS  
 FIR FILTERS  
 FLUID FILTERS  
 HIGH PASS FILTERS  
 IMAGE FILTERS  
 KALMAN FILTERS  
 LINEAR FILTERS  
 LOW PASS FILTERS  
 MATCHED FILTERS  
 MONOCHROMATIC RADIATION  
 NONLINEAR FILTERS  
 OPTICAL FILTERS  
 RADIO FILTERS  
 REDUCED ORDER FILTERS  
 SEPARATORS  
 SPATIAL FILTERING

**FILTRATION**

UF FILTERING  
 GS **FILTRATION**  
 . SPATIAL FILTERING  
 RT ACTIVATED CARBON  
 BEDS (PROCESS ENGINEERING)  
 BENEFICIATION  
 CONCENTRATING  
 ∞ CONCENTRATION  
 CONCENTRATORS  
 EFFLUENTS  
 EXTRACTION  
 FLUID FILTERS  
 HYDROMETALLURGY  
 MATERIALS RECOVERY  
 PERCOLATION  
 PRECIPITATION (CHEMISTRY)  
 ∞ SCREENING  
 ∞ SEPARATION  
 SEWAGE TREATMENT  
 SIZE SEPARATION  
 WATER TREATMENT

**FINANCE**

RT ACCOUNTING  
 COMMERCE  
 FIDUCIARIES  
 GROSS NATIONAL PRODUCT  
 INVESTMENTS  
 MANAGEMENT PLANNING  
 MARKETING  
 RISK  
 WAGE SURVEYS

**FINANCIAL MANAGEMENT**

GS MANAGEMENT  
 . **FINANCIAL MANAGEMENT**  
 RT AIRCRAFT PRODUCTION COSTS  
 ALLOCATIONS  
 BUDGETING  
 COST ANALYSIS  
 COST ESTIMATES  
 COSTS  
 ECONOMY  
 FEDERAL BUDGETS  
 LIFE CYCLE COSTS  
 PROCUREMENT MANAGEMENT

**∞ FINE**

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT FINE STRUCTURE  
 FINENESS  
 FINENESS RATIO  
 FINES

**FINE STRUCTURE**

UF MULTIPLETS  
 RT ALPHA DECAY  
 ATOMIC STRUCTURE  
 ∞ FINE  
 HYPERFINE STRUCTURE  
 LINE SPECTRA  
 SPECTRAL ENERGY DISTRIBUTION  
 ∞ STRUCTURES

**FINENESS**

RT COARSENESS  
 FINENESS RATIO  
 PARTICLE SIZE DISTRIBUTION  
 PURITY  
 QUALITY  
 SIZE (DIMENSIONS)  
 TEXTURES

**FINENESS RATIO**

GS RATIOS  
 . **FINENESS RATIO**  
 RT ASPECT RATIO  
 DIMENSIONS  
 FINENESS  
 OBLATE SPHEROIDS  
 SLENDER BODIES  
 THICKNESS RATIO

**FINES**

GS PARTICLES  
 . POWDER (PARTICLES)  
 . . **FINES**  
 RT ∞ FINE  
 ∞ FLOUR  
 FRACTIONS  
 PARTICLE SIZE DISTRIBUTION  
 ∞ SCREENING

## FINGERS

### FINGERS

GS ANATOMY  
 . LIMBS (ANATOMY)  
 . . HAND (ANATOMY)  
 . . . FINGERS  
 APPENDAGES  
 . HAND (ANATOMY)  
 . . FINGERS  
 RT SENSE ORGANS

### FINISHES

GS FINISHES  
 . ENAMELS  
 . GLAZES  
 . LACQUERS  
 RT CERAMIC COATINGS  
 COATINGS  
 CORROSION  
 DOPES  
 IMPREGNATING  
 LUSTER  
 MACHINING  
 METALLIZING  
 PAINTS  
 PLATING  
 POLISHING  
 PRIMERS (COATINGS)  
 PROTECTIVE COATINGS  
 SIZING (SURFACE TREATMENT)  
 SPRAYED COATINGS  
 SURFACE FINISHING  
 SURFACE PROPERTIES  
 VARNISHES  
 VENEERS  
 WAXES

### FINITE DIFFERENCE THEORY

GS ANALYSIS (MATHEMATICS)  
 . NUMERICAL ANALYSIS  
 . . APPROXIMATION  
 . . . FINITE DIFFERENCE THEORY  
 RT CRANK-NICHOLSON METHOD  
 DIFFERENCE EQUATIONS  
 DIFFERENCES  
 EXTRAPOLATION  
 FLUX VECTOR SPLITTING  
 INTERPOLATION  
 SIGNIFICANCE  
 ∞ THEORIES  
 TIME MARCHING

### FINITE ELEMENT METHOD

GS ANALYSIS (MATHEMATICS)  
 . NUMERICAL ANALYSIS  
 . . APPROXIMATION  
 . . . FINITE ELEMENT METHOD  
 PROCEDURES  
 . FINITE ELEMENT METHOD  
 RT ∞ APPLICATIONS OF MATHEMATICS  
 BOUNDARY VALUE PROBLEMS  
 CHOLESKY FACTORIZATION  
 COMPUTATIONAL FLUID DYNAMICS  
 CONJUGATES  
 CRANK-NICHOLSON METHOD  
 FACTORIZATION  
 FRACTURE MECHANICS  
 ISOPARAMETRIC FINITE ELEMENTS  
 ITERATIVE SOLUTION  
 MATRICES (MATHEMATICS)  
 ∞ METHODOLOGY  
 MINIMAL SURFACES  
 NASTRAN  
 PANEL METHOD (FLUID DYNAMICS)  
 PATCH TESTS  
 SOLID MECHANICS

### FINITE IMPULSE RESPONSE FILTERS

USE FIR FILTERS

### FINITE VOLUME METHOD

GS ANALYSIS (MATHEMATICS)  
 . NUMERICAL ANALYSIS  
 . . FINITE VOLUME METHOD  
 PROCEDURES  
 . FINITE VOLUME METHOD  
 RT BOUNDARY VALUE PROBLEMS  
 ∞ METHODOLOGY

### FINITE-STATE MACHINES

USE TURING MACHINES

### FINLAND

GS NATIONS  
 . FINLAND  
 RT EUROPE

### FINLAND-(CONT.)

SCANDINAVIA

### FINNED BODIES

RT AERODYNAMIC CONFIGURATIONS  
 ∞ BODIES  
 . BODIES OF REVOLUTION  
 . COOLING FINS  
 . FINS  
 . HEAT EXCHANGERS  
 . MISSILE BODIES  
 . NOSE FINS  
 . PROJECTILES  
 . SYMMETRICAL BODIES

### FINS

UF VERTICAL FINS  
 GS FINS  
 . COOLING FINS  
 . NOSE FINS  
 RT AERIAL RUDDERS  
 AIRFOILS  
 AIRFRAMES  
 ∞ BLADES  
 . CONTROL SURFACES  
 . FINNED BODIES  
 . HYDROFOILS  
 . MISSILE COMPONENTS  
 . RUDDERS  
 . SAILS  
 . STABILIZERS (FLUID DYNAMICS)  
 . TAIL ASSEMBLIES  
 . VANES  
 . WINGLETS

### FIORDS

GS LANDFORMS  
 . FIORDS  
 RT CLIFFS  
 GEOLOGY  
 INLETS (TOPOGRAPHY)  
 NORWAY  
 OCEANOGRAPHY  
 WATER

### FIR FILTERS

UF FINITE IMPULSE RESPONSE FILTERS  
 GS ELECTROMAGNETIC WAVE FILTERS  
 . ELECTRIC FILTERS  
 . . DIGITAL FILTERS  
 . . . FIR FILTERS  
 RT BANDPASS FILTERS  
 ELECTRONIC FILTERS  
 ∞ FILTERS  
 . MICROWAVE FILTERS  
 . RADAR FILTERS  
 . RECURSIVE FUNCTIONS

### FIRE CONTROL

SN (LIMITED TO CONTROL OF THE FIRING  
 OF WEAPONS--EXCLUDES FIRE  
 PREVENTION AND FIRE FIGHTING)  
 RT BOMBING EQUIPMENT  
 ∞ CONTROL  
 . FIRING (IGNITING)  
 . GUNFIRE  
 . GUNNERY TRAINING  
 . RANGE FINDERS  
 . WEAPON SYSTEMS  
 . WEAPONS

### FIRE CONTROL CIRCUITS

GS CIRCUITS  
 . FIRE CONTROL CIRCUITS  
 RT ∞ CONTROL

### FIRE DAMAGE

GS DAMAGE  
 . FIRE DAMAGE  
 RT ASHES  
 CHARRING  
 COMBUSTION  
 FIRES  
 FLAMES  
 FUMES  
 SMOKE  
 SOOT

### FIRE EXTINGUISHERS

UF CHEMICAL EXTINGUISHERS  
 EXTINGUISHERS  
 RT FIRE FIGHTING  
 FIRE PREVENTION  
 FIREBREAKS  
 FIRES

### FIRE EXTINGUISHERS-(CONT.)

FLAMMABILITY  
 FOAMS

### FIRE FIGHTING

SN (EXCLUDES FIRE CONTROL--CONTROL  
 OF THE FIRING OF WEAPONS)  
 RT BREATHING APPARATUS  
 FIRE EXTINGUISHERS  
 FIRE PREVENTION  
 FIREBREAKS  
 FIRES  
 FLAMMABILITY  
 FOAMS

### FIRE POINT

RT FLAMMABILITY  
 FLASH POINT  
 SPONTANEOUS COMBUSTION

### FIRE PREVENTION

SN (EXCLUDES FIRE CONTROL--CONTROL  
 OF THE FIRING OF WEAPONS)  
 GS PREVENTION  
 . FIRE PREVENTION  
 RT ACCIDENT PREVENTION  
 EXPLOSION SUPPRESSION  
 FIRE EXTINGUISHERS  
 FIRE FIGHTING  
 FIREBREAKS  
 FIREPROOFING  
 FIRES  
 FLAME RETARDANTS  
 FOREST FIRES  
 HIGH PRESSURE OXYGEN  
 SAFETY  
 SAFETY DEVICES  
 SAFETY MANAGEMENT  
 SMOKE DETECTORS  
 SPONTANEOUS COMBUSTION  
 WARNING  
 WARNING SYSTEMS

### FIRE RESISTANCE

USE FLAMMABILITY

### FIRE RETARDANTS

USE FLAME RETARDANTS

### ∞ FIREBALLS

SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)  
 RT BOLIDES  
 NUCLEAR EXPLOSIONS

### FIREBEE 2 TARGET DRONE AIRCRAFT

GS DRONE VEHICLES  
 . DRONE AIRCRAFT  
 . . TARGET DRONE AIRCRAFT  
 . . . FIREBEE 2 TARGET DRONE  
 AIRCRAFT  
 . LIGHT AIRCRAFT  
 . FIREBEE 2 TARGET DRONE AIRCRAFT  
 . PILOTLESS AIRCRAFT  
 . DRONE AIRCRAFT  
 . . TARGET DRONE AIRCRAFT  
 . . . FIREBEE 2 TARGET DRONE  
 AIRCRAFT  
 . RESEARCH AIRCRAFT  
 . FIREBEE 2 TARGET DRONE AIRCRAFT  
 . RYAN AIRCRAFT  
 . FIREBEE 2 TARGET DRONE AIRCRAFT  
 . SUPERSONIC AIRCRAFT  
 . FIREBEE 2 TARGET DRONE AIRCRAFT  
 RT ∞ AIRCRAFT  
 ∞ MILITARY AIRCRAFT  
 TARGETS  
 ∞ WINGED VEHICLES

### FIREBREAKS

RT CLEARINGS (OPENINGS)  
 COMBUSTION  
 CONSERVATION  
 FIRE EXTINGUISHERS  
 FIRE FIGHTING  
 FIRE PREVENTION  
 FIRES  
 FLAMES  
 FOREST FIRES  
 FORESTS

### FIREFLIES

GS ANIMALS

# FIXED POINT ARITHMETIC

## FIREFLIES-(CONT.)

. INVERTEBRATES  
. ARTHROPODS  
. INSECTS  
. . . . FIREFLIES

## FIREPROOFING

RT FIRE PREVENTION  
NONFLAMMABLE MATERIALS  
SAFETY

## FIRES

GS FIRES  
. FOREST FIRES  
RT ACCIDENTS  
BACKFIRE  
BURNS (INJURIES)  
COMBUSTION  
CONTROL SURFACES  
DEFLAGRATION  
EXPLOSIONS  
EXPLOSIVES  
FIBER RELEASE  
FIRE DAMAGE  
FIRE EXTINGUISHERS  
FIRE FIGHTING  
FIRE PREVENTION  
FIREBREAKS  
FIRING (IGNITING)  
FLAMES  
FLASHBACK  
HAZARDS  
SAFETY  
SAINT ELMO FIRE  
WARNING SYSTEMS

## FIREWORKS

USE PYROTECHNICS

## FIRING (IGNITING)

GS FIRING (IGNITING)  
. ROCKET FIRING  
. RETROFIRING  
. TEST FIRING  
. STATIC FIRING  
RT BURNING TIME  
DETONABLE GAS MIXTURES  
DETONATION  
DRYING  
FIRE CONTROL  
FIRES  
FLAMMABLE GASES  
GUNFIRE  
IGNITION  
STARTING

## FIRING TIME

USE BURNING TIME

## FIRMWARE

RT COMPUTER PROGRAMMING  
HARDWARE  
MICROPROCESSORS  
MICROPROGRAMMING

## FIRST AID

RT ACCIDENTS  
CHEMICAL DEFENSE  
CURES  
DISASTERS  
KITS  
MEDICAL EQUIPMENT  
MEDICAL SCIENCE  
MEDICAL SERVICES  
RESUSCITATION  
SPLINTS  
STRETCHERS  
TOURNIQUETS  
TRANSFUSION

## FISCHER-TROPSCH PROCESS

RT CATALYSIS  
CATALYTIC ACTIVITY  
REACTION KINETICS  
SYNTHESIS (CHEMISTRY)  
SYNTHETIC FUELS

## FISH

USE FISHES

## FISHBOWL OPERATION

RT HIGH ALTITUDE TESTS  
NUCLEAR EXPLOSIONS  
∞ OPERATIONS

## FISHBOWL OPERATION-(CONT.)

VELA SATELLITES

## FISHERIES

RT AQUICULTURE  
ESTUARIES  
FISHES  
MARINE BIOLOGY  
MARINE RESOURCES  
SEA WATER  
SHALLOW WATER  
TIDAL FLATS  
WETLANDS

## FISHES

UF FISH  
GS ANIMALS  
. VERTEBRATES  
. . . FISHES  
. . . . SCHOOLS (FISH)  
. . . . SHARKS  
RT AQUICULTURE  
EARTH RESOURCES  
FISHERIES  
∞ FOOD  
∞ ICHTHYOLOGY  
∞ NUTRIENTS  
POIKILOthermia  
RED TIDE  
SQUAMA  
WILDLIFE

## FISHTAILING

USE YAW

## FISSILE FUELS

GS FUELS  
. FISSILE FUELS  
RT GASEOUS FISSION REACTORS  
NUCLEAR FUELS  
NUCLEAR REACTORS  
RADIOACTIVE MATERIALS

## FISSILE MATERIALS

USE FISSIONABLE MATERIALS

## FISSION

RT BLANKETS (FISSION REACTORS)  
FUEL PRODUCTION  
NUCLEAR FUELS  
SPLITTING

## FISSION ELECTRIC CELLS

GS AUXILIARY POWER SOURCES  
. NUCLEAR AUXILIARY POWER UNITS  
. . . SNAP  
. . . . FISSION ELECTRIC CELLS  
. . . . SNAP 2  
. . . . SNAP 4  
. . . . SNAP 8  
. . . . SNAP 10A  
. . . . SPACE POWER REACTORS  
. . . . FISSION ELECTRIC CELLS  
. . . . SNAP 2  
. . . . SNAP 4  
. . . . SNAP 8  
. . . . SNAP 10A  
. . . . NUCLEAR ELECTRIC POWER GENERATION  
. . . . NUCLEAR AUXILIARY POWER UNITS  
. . . . SNAP  
. . . . FISSION ELECTRIC CELLS  
. . . . SNAP 2  
. . . . SNAP 4  
. . . . SNAP 8  
. . . . SNAP 10A  
. . . . SPACE POWER REACTORS  
. . . . FISSION ELECTRIC CELLS  
. . . . SNAP 2  
. . . . SNAP 4  
. . . . SNAP 8  
. . . . SNAP 10A  
. . . . NUCLEAR POWER REACTORS  
. . . . SPACE POWER REACTORS  
. . . . FISSION ELECTRIC CELLS  
. . . . SNAP 2  
. . . . SNAP 4  
. . . . SNAP 8  
. . . . SNAP 10A  
. . . . NUCLEAR REACTORS  
. . . . NUCLEAR POWER REACTORS  
. . . . SPACE POWER REACTORS  
. . . . FISSION ELECTRIC CELLS  
. . . . SNAP 2  
. . . . SNAP 4

## FISSION ELECTRIC CELLS-(CONT.)

. . . . SNAP 8  
. . . . SNAP 10A  
RT ∞ ELECTRIC CELLS  
RADIOISOTOPE BATTERIES  
SPACE POWER UNIT REACTORS

## FISSION PRODUCTS

RT FALLOUT  
HIGH ENERGY INTERACTIONS  
NUCLEAR FISSION  
NUCLEAR PARTICLES  
NUCLEAR PUMPING  
NUCLEAR RADIATION  
PRODUCTS  
RADIOACTIVE MATERIALS  
RADIOACTIVE WASTES  
RADIOACTIVITY

## FISSION WEAPONS

UF ATOMIC BOMBS  
GS WEAPONS  
. NUCLEAR WEAPONS  
. . . FISSION WEAPONS  
RT FALLOUT  
NUCLEAR DEVICES  
THERMONUCLEAR EXPLOSIONS

## FISSIONABLE MATERIALS

UF FISSILE MATERIALS  
RT GASEOUS FISSION REACTORS  
∞ MATERIALS  
NOZZLE FLOW  
NUCLEAR FUELS  
PLUTONIUM  
RADIOACTIVE MATERIALS  
URANIUM

## FISSIONIUM

GS FUELS  
. NUCLEAR FUELS  
. . . FISSIUM

## FISSURES (GEOLOGY)

RT FOLDS (GEOLOGY)  
GEOLOGICAL FAULTS  
STRUCTURAL PROPERTIES (GEOLOGY)  
TECTONICS

## FITNESS

GS FITNESS  
. FLIGHT FITNESS  
. PHYSICAL FITNESS  
RT QUALIFICATIONS

## FITTING

RT ADAPTATION  
ADJUSTING  
ALIGNMENT  
ASSEMBLING  
FITTINGS  
GOODNESS OF FIT  
INTERFERENCE FIT  
∞ JOINING  
MATCHING  
POSITIONING

## FITTINGS

RT ACCESSORIES  
ADAPTERS  
CLOSURES  
CONNECTORS  
COUPLINGS  
EXTENSIONS  
FASTENERS  
FITTING  
INSERTS  
JOINTS (JUNCTIONS)  
LINKAGES  
SLEEVES  
U BENDS  
UNIONS (CONNECTORS)

## FITZGERALD-LORENTZ CONTRACTION

USE LORENTZ CONTRACTION

## FIX

USE FIXING

## FIXED POINT ARITHMETIC

GS NUMBER THEORY  
. ARITHMETIC  
. . . FIXED POINT ARITHMETIC  
RT COMPUTER PROGRAMS



## FIXED POINTS (MATHEMATICS)

### FIXED POINT ARITHMETIC-(CONT.)

COMPUTERS  
DATA PROCESSING

### FIXED POINTS (MATHEMATICS)

GS GEOMETRY  
. EUCLIDEAN GEOMETRY  
. POINTS (MATHEMATICS)  
. . . **FIXED POINTS (MATHEMATICS)**  
. TOPOLOGY  
. . . **FIXED POINTS (MATHEMATICS)**  
RT MANIFOLDS (MATHEMATICS)  
MAPPING

### FIXED WINGS

UF FIXED-WING AIRCRAFT  
GS AIRFOILS  
. WINGS  
. . . **FIXED WINGS**  
RT CAMBERED WINGS  
CRUCIFORM WINGS  
FLEXIBLE WINGS  
LOW ASPECT RATIO WINGS  
RIGID WINGS  
SLENDER WINGS  
SWEEP WINGS  
THIN WINGS  
TWISTED WINGS  
UNCAMBERED WINGS  
UNSWEPT WINGS

### FIXED-WING AIRCRAFT

USE AIRCRAFT CONFIGURATIONS  
FIXED WINGS

### ∞ FIXING

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
UF FIX  
RT MAINTENANCE  
NAVIGATION  
POSITION (LOCATION)  
POSITIONING

### FIXTURES

RT BRACKETS  
HARDWARE  
JIGS  
LUMINAIRES  
TOOLS

### FIZEAU EFFECT

RT DOPPLER EFFECT  
DOPPLER-FIZEAU EFFECT  
∞ EFFECTS

### FLAGELLATA

GS ANIMALS  
. PROTOZOA  
. . . **FLAGELLATA**  
. . . EUGLENA  
. . . TRYPANOSOME  
MICROORGANISMS  
. PROTOZOA  
. . . **FLAGELLATA**  
. . . EUGLENA  
. . . TRYPANOSOME

### FLAKES

GS PARTICLES  
. **FLAKES**  
RT FLAKING  
METAL POWDER  
POWDER (PARTICLES)

### FLAKING

RT ATOMIZING  
CHIPPING  
COMMINUTION  
CUTTING  
DISINTEGRATION  
FLAKES  
FRACTURING  
PEELING  
∞ SEPARATION  
SPALLING  
SPLITTING  
WEAR

### FLAME CALORIMETERS

GS MEASURING INSTRUMENTS  
. CALORIMETERS  
. . . **FLAME CALORIMETERS**

### FLAME CALORIMETERS-(CONT.)

RT BOMB CALORIMETERS  
DROP CALORIMETERS  
HEAT MEASUREMENT  
HIGH TEMPERATURE TESTS  
TEMPERATURE MEASURING  
INSTRUMENTS

### FLAME DEFLECTORS

GS DEFLECTORS  
. **FLAME DEFLECTORS**  
RT BACKFIRE  
BAFFLES  
BLAST DEFLECTORS  
DIVERTERS  
FLASHBACK  
LAUNCHING PADS  
SAFETY DEVICES  
SHIELDING  
TEST STANDS

### FLAME FRONTS

USE FLAME PROPAGATION

### FLAME HOLDERS

GS HOLDERS  
. **FLAME HOLDERS**  
RT COMBUSTION CHAMBERS  
DUMP COMBUSTORS  
FLAMEOUT  
FLAMES

### FLAME INTERACTION

USE CHEMICAL REACTIONS  
FLAME PROPAGATION

### FLAME IONIZATION

GS IONIZATION  
. GAS IONIZATION  
. . . **FLAME IONIZATION**

### FLAME PLATING

GS PLATING  
. **FLAME PLATING**  
RT COATING  
WELDING

### FLAME PROBES

GS MEASURING INSTRUMENTS  
. **FLAME PROBES**  
RT GAS ANALYSIS  
MANOMETERS  
TEMPERATURE MEASURING  
INSTRUMENTS

### FLAME PROPAGATION

UF CHAPMAN-JOUGET FLAME  
COMBUSTION WAVES  
FLAME FRONTS  
FLAME INTERACTION  
GS PROPAGATION (EXTENSION)  
. **FLAME PROPAGATION**  
RT BACKFIRE  
BOUNDARY LAYER COMBUSTION  
BURNING RATE  
COMBUSTIBLE FLOW  
COMBUSTION  
COMBUSTION PHYSICS  
DAMKOLHER NUMBER  
DETONATION  
DETONATION WAVES  
EXPLOSIONS  
FLAMES  
FLAMMABILITY  
FLASHBACK  
GAS EXPLOSIONS  
GAS-METAL INTERACTIONS  
IGNITION  
PREMIXED FLAMES  
PRESSURE OSCILLATIONS  
PRESSURE PULSES  
∞ PROPAGATION

### FLAME QUENCHING

USE EXTINGUISHING  
QUENCHING (COOLING)

### FLAME RETARDANTS

UF FIRE RETARDANTS  
GS RETARDANTS  
. **FLAME RETARDANTS**  
RT ANTIMISTING FUELS  
FABRICS  
FIRE PREVENTION

### FLAME RETARDANTS-(CONT.)

FLAMMABILITY  
IGNITION LIMITS  
INORGANIC COMPOUNDS  
POLYBROMINATED BIPHENYLS  
SYNTHETIC FIBERS

### FLAME SPECTROSCOPY

GS SPECTROSCOPY  
. **FLAME SPECTROSCOPY**  
SPECTRUM ANALYSIS  
. **FLAME SPECTROSCOPY**  
RT EMISSION SPECTRA  
GAS SPECTROSCOPY  
LINE SPECTRA  
OPTOGALVANIC SPECTROSCOPY  
QUALITATIVE ANALYSIS  
SPECTROSCOPIC ANALYSIS

### FLAME SPRAYING

GS SPRAYING  
. **FLAME SPRAYING**  
RT COATING  
COATINGS  
METAL SPRAYING  
METALLIZING  
PLASMA SPRAYING

### FLAME STABILITY

GS DYNAMIC CHARACTERISTICS  
. DYNAMIC STABILITY  
. . . COMBUSTION STABILITY  
. . . **FLAME STABILITY**  
. . . MOTION STABILITY  
. . . FLOW STABILITY  
. . . . **FLAME STABILITY**  
. . . FLOW CHARACTERISTICS  
. . . FLOW STABILITY  
. . . **FLAME STABILITY**  
STABILITY  
. DYNAMIC STABILITY  
. . . COMBUSTION STABILITY  
. . . **FLAME STABILITY**  
. . . MOTION STABILITY  
. . . FLOW STABILITY  
. . . . **FLAME STABILITY**  
RT FLAMEOUT

### FLAME TEMPERATURE

GS TEMPERATURE  
. **FLAME TEMPERATURE**  
RT COMBUSTION CHEMISTRY  
COMBUSTION TEMPERATURE

### FLAMEOUT

RT COMBUSTION  
COMBUSTION CHAMBERS  
EXTINGUISHING  
FLAME HOLDERS  
FLAME STABILITY  
GAS TURBINE ENGINES  
JET ENGINES

### FLAMES

UF JET FLAMES  
LAMINAR FLAMES  
GS **FLAMES**  
. DIFFUSION FLAMES  
. PREMIXED FLAMES  
RT COMBUSTION  
FIRE DAMAGE  
FIREBREAKS  
FIRES  
FLAME HOLDERS  
FLAME PROPAGATION  
∞ FLARES  
FOREST FIRES  
FUELS  
SMOG

### FLAMMABILITY

UF COMBUSTIBILITY  
FIRE RESISTANCE  
RT BURNING RATE  
COMBUSTION  
DETONABLE GAS MIXTURES  
FIRE EXTINGUISHERS  
FIRE FIGHTING  
FIRE POINT  
FLAME PROPAGATION  
FLAME RETARDANTS  
FLAMMABLE GASES  
FLASH POINT  
IGNITION  
IGNITION LIMITS

**FLAMMABILITY-(CONT.)**

IGNITION TEMPERATURE  
PYROPHORIC MATERIALS  
∞ RESISTANCE  
SPONTANEOUS COMBUSTION

**FLAMMABLE GASES**

UF EXPLOSIVE GASES  
GS GASES  
    . **FLAMMABLE GASES**  
    . GASEOUS FUELS  
    . LIQUEFIED NATURAL GAS  
    . PYROGEN  
RT CHEMICAL EXPLOSIONS  
    DETONABLE GAS MIXTURES  
    EXPLOSIVES  
    FIRING (IGNITING)  
    FLAMMABILITY  
    GAS EXPLOSIONS  
    HAZARDS

**FLANGE WRINKLING**

GS WRINKLING  
    . **FLANGE WRINKLING**  
RT BUCKLING

**FLANGES**

RT CONNECTORS  
    METAL PLATES

**FLAP CONTROL**

USE AIRCRAFT CONTROL  
    FLAPS (CONTROL SURFACES)

**FLAPERONS**

GS AIRFOILS  
    . AILERONS  
    . **FLAPERONS**  
    . FLAPS (CONTROL SURFACES)  
    . **FLAPERONS**  
    CONTROL SURFACES  
    . AILERONS  
    . **FLAPERONS**  
    . FLAPS (CONTROL SURFACES)  
    . **FLAPERONS**  
RT AERODYNAMIC BRAKES

**FLAPPING**

RT AIRFOIL OSCILLATIONS  
    FLUTTER  
    RESONANT VIBRATION  
    ROTOR AERODYNAMICS  
    SHAKING  
    UNDAMPED OSCILLATIONS  
    VIBRATION  
    WING OSCILLATIONS

**FLAPPING HINGES**

GS HINGES  
    . **FLAPPING HINGES**  
RT ROTARY WINGS  
    ROTOR AERODYNAMICS

**FLAPS (CONTROL SURFACES)**

UF FLAP CONTROL  
GS AIRFOILS  
    . **FLAPS (CONTROL SURFACES)**  
    . EXTERNALLY BLOWN FLAPS  
    . UPPER SURFACE BLOWN FLAPS  
    . FLAPERONS  
    . JET FLAPS  
    . SPLIT FLAPS  
    . WING FLAPS  
    . LEADING EDGE FLAPS  
    . LEADING EDGE SLATS  
    . TRAILING EDGE FLAPS  
    . VORTEX FLAPS  
    CONTROL SURFACES  
    . **FLAPS (CONTROL SURFACES)**  
    . EXTERNALLY BLOWN FLAPS  
    . UPPER SURFACE BLOWN FLAPS  
    . FLAPERONS  
    . JET FLAPS  
    . SPLIT FLAPS  
    . WING FLAPS  
    . LEADING EDGE FLAPS  
    . LEADING EDGE SLATS  
    . TRAILING EDGE FLAPS  
    . VORTEX FLAPS  
RT AERODYNAMIC BRAKES  
    BRAKES (FOR ARRESTING MOTION)  
∞ CONTROL  
    DELAYED FLAP APPROACH  
    DRAG DEVICES  
    GAW-2 AIRFOIL

**FLAPS (CONTROL SURFACES)-(CONT.)**

LIFT DEVICES  
SPOILERS  
∞ SURFACES

**FLARE STARS**

UF UV CETI STARS  
GS CELESTIAL BODIES  
    . STARS  
    . LATE STARS  
    . COOL STARS  
    . **FLARE STARS**  
    . MAIN SEQUENCE STARS  
    . DWARF STARS  
    . **FLARE STARS**  
    . VARIABLE STARS  
    . **FLARE STARS**  
RT CATAclysmic VARIABLES  
    M STARS  
    SOLAR FLARES  
    STELLAR ACTIVITY  
    STELLAR FLARES  
    SYMBIOTIC STARS

**FLARED BODIES**

RT AFTERBODIES  
    AIRCRAFT CONFIGURATIONS  
∞ FLARES  
    SPACECRAFT CONFIGURATIONS  
    SYMMETRICAL BODIES

**FLARES**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT FLAMES  
    FLARED BODIES  
    ILLUMINATING  
    LIGHTING EQUIPMENT  
    LUMINAIRES  
    PYROTECHNICS  
    RUNWAY LIGHTS  
    SOLAR FLARES  
    SOLAR MAXIMUM MISSION  
    SOLAR TERRESTRIAL INTERACTIONS  
    STELLAR ACTIVITY  
    STELLAR FLARES

**FLASH**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
UF LIGHT DURATION  
RT ELECTRIC DISCHARGES  
    EXPLOSIONS  
    FLASH WELDING  
    FLASHING (VAPORIZING)  
    LIGHT (VISIBLE RADIATION)  
    RADIOGRAPHY  
    SOLAR FLARES

**FLASH BLINDNESS**

GS BLINDNESS  
    . **FLASH BLINDNESS**  
RT EYE PROTECTION  
    LIGHT ADAPTATION  
    VISION

**FLASH LAMPS**

UF FLASH TUBES  
GS LIGHTING EQUIPMENT  
    . LUMINAIRES  
    . **FLASH LAMPS**  
    . ALKALI VAPOR LAMPS  
RT LIGHT SOURCES  
    XENON LAMPS

**FLASH POINT**

GS TEMPERATURE  
    . IGNITION TEMPERATURE  
    . **FLASH POINT**  
RT COMBUSTION TEMPERATURE  
    FIRE POINT  
    FLAMMABILITY  
    IGNITION  
    SPONTANEOUS COMBUSTION  
    VAPOR PRESSURE  
    VOLATILITY

**FLASH TUBES**

USE FLASH LAMPS

**FLASH WELDING**

GS WELDING

**FLASH WELDING-(CONT.)**

. **FLASH WELDING**  
RT ELECTRIC WELDING  
    . FLASH  
    . FUSION WELDING  
    PRESSURE WELDING

**FLASHBACK**

RT BACKFIRE  
    COMBUSTION  
    DEFLAGRATION  
    EXPLOSIONS  
    FIRES  
    FLAME DEFLECTORS  
    FLAME PROPAGATION

**FLASHING (VAPORIZING)**

GS PHASE TRANSFORMATIONS  
    . VAPORIZING  
    . **FLASHING (VAPORIZING)**  
RT DISTILLATION  
    EVAPORATION  
    . FLASH  
    PREVAPORIZATION  
    . SEPARATION

**FLASHOVER**

GS ELECTRIC CURRENT  
    . ELECTRIC DISCHARGES  
    . **FLASHOVER**  
RT ELECTRIC ARCS  
    ELECTRIC SPARKS  
    ELECTRICAL FAULTS  
    FAILURE

**FLASKS**

RT BOTTLES  
    GLASSWARE

**FLAT COAXIAL TRANSMISSION LINES**

USE MICROSTRIP TRANSMISSION LINES

**FLAT CONDUCTORS**

GS CONDUCTORS  
    . **FLAT CONDUCTORS**  
    . BEAM LEADS  
RT BUS CONDUCTORS  
    CIRCUITS  
    CONNECTORS  
    ELECTRIC CONNECTORS  
    ELECTRIC CONTACTS  
    ELECTRIC WIRE  
    WIRING

**FLAT LAYERS**

RT FLATNESS  
    . LAYERS  
    . PLANAR STRUCTURES  
    STRATA  
    STRATIFICATION

**FLAT PATTERNS**

RT CASTINGS  
    MOLDS

**FLAT PLATES**

GS STRUCTURAL MEMBERS  
    . **FLAT PLATES**  
RT ANNULAR PLATES  
    BLASIUS EQUATION  
    BLASIUS FLOW  
    CIRCULAR PLATES  
    DYNAMIC STRUCTURAL ANALYSIS  
    END PLATES  
    FLATNESS  
    FLUID MECHANICS  
    HEAT TRANSFER  
    METAL PLATES  
    PANELS  
    PARALLEL PLATES  
    PLANAR STRUCTURES  
    PLATE THEORY  
    . PLATES  
    . PLATES (STRUCTURAL MEMBERS)  
    RECTANGULAR PLATES  
    . SHEETS  
    SLABS  
    THICK PLATES  
    THIN PLATES

**FLAT SURFACES**

UF FACETS  
RT COSSERAT SURFACES

## FLATNESS

### FLAT SURFACES-(CONT.)

FLATNESS  
PLANAR STRUCTURES  
∞ SURFACE GEOMETRY  
SURFACE PROPERTIES  
∞ SURFACES

### FLATNESS

GS SHAPES  
RT . **FLATNESS**  
CONCAVITY  
CONTOURS  
CONVEXITY  
ETALONS  
FLAT LAYERS  
FLAT PLATES  
FLAT SURFACES  
FLATTENING  
INTERFEROMETERS  
MECHANICAL PROPERTIES  
PLANAR STRUCTURES  
ROUGHNESS  
∞ SURFACE GEOMETRY

### FLATS (LANDFORMS)

UF ADOBE FLATS  
SALT FLATS  
GS LANDFORMS  
RT . **FLATS (LANDFORMS)**  
TIDAL FLATS  
EARTH RESOURCES  
MARSHLANDS  
MESAS  
PLAINS  
SALT BEDS

### FLATTENING

RT DUCTILITY  
ELLIPTICITY  
FLATNESS  
LEVELING  
METAL WORKING  
OBLATE SPHEROIDS  
∞ ROLLING  
SMOOTHING

### FLATWORMS

GS ANIMALS  
INVERTEBRATES  
WORMS  
RT . **FLATWORMS**  
INFESTATION

### FLAVOR (PARTICLE PHYSICS)

RT HADRONS  
PARTICLE INTERACTIONS  
PARTICLE THEORY  
QUANTUM THEORY  
QUARK MODELS  
QUARKS  
THEORETICAL PHYSICS

### FLAW DETECTION

USE NONDESTRUCTIVE TESTS

### FLAWS

USE DEFECTS

### FLEET BALLISTIC MISSILES

UF FBM (MISSILES)  
GS MISSILES  
SURFACE TO SURFACE MISSILES  
RT . **FLEET BALLISTIC MISSILES**  
POLARIS A1 MISSILE  
POLARIS A2 MISSILE  
POLARIS A3 MISSILE  
POSEIDON MISSILES  
SUBROC MISSILE  
BALLISTIC MISSILE SUBMARINES  
GUIDED MISSILE SUBMARINES  
INTERCONTINENTAL BALLISTIC MISSILES  
INTERMEDIATE RANGE BALLISTIC MISSILES  
SEA LAUNCHING

### FLEET SATELLITE COMMUNICATION SYSTEM

UF FLEETSATCOM  
FLTSATCOM  
GS TELECOMMUNICATION  
DEFENSE COMMUNICATIONS  
SATELLITE SYSTEM  
RT . **FLEET SATELLITE COMMUNICATION SYSTEM**  
COMMUNICATION SATELLITES

### FLEET SATELLITE COMMUNICATION-(CONT.)

MARISAT SATELLITES  
MICROWAVE TRANSMISSION  
MILITARY TECHNOLOGY  
NASCOM NETWORK  
NAVY  
RADIO COMMUNICATION  
∞ SYSTEMS  
ULTRAHIGH FREQUENCIES

### FLEETSATCOM

USE FLEET SATELLITE COMMUNICATION SYSTEM

### FLEXIBILITY

UF NONRIGIDITY  
GS MECHANICAL PROPERTIES  
RT . **FLEXIBILITY**  
BENDING  
ELASTIC PROPERTIES  
FLEXING  
NONUNIFORMITY  
PLASTIC PROPERTIES  
∞ RIGIDITY  
SOFTNESS  
STIFFNESS  
VERSATILITY

### FLEXIBLE BODIES

GS **FLEXIBLE BODIES**  
FLEXIBLE SPACECRAFT  
RT ∞ BODIES  
HYBRID STRUCTURES  
INFLATABLE STRUCTURES

### FLEXIBLE SPACECRAFT

GS AEROSPACE VEHICLES  
FLEXIBLE SPACECRAFT  
FLEXIBLE BODIES  
RT . **FLEXIBLE SPACECRAFT**  
ARTIFICIAL SATELLITES  
DISPLACEMENT  
ELASTIC DEFORMATION  
FLEXING  
LARGE SPACE STRUCTURES  
SATELLITE CONTROL  
SATELLITE ORIENTATION  
SATELLITE ROTATION  
SHAPE CONTROL  
∞ SPACECRAFT  
SPACECRAFT CONTROL  
SPACECRAFT MOTION  
STRUCTURAL VIBRATION  
VIBRATION DAMPING

### FLEXIBLE WINGS

UF ROGALLO WINGS  
GS AIRFOILS  
WINGS  
RT . **FLEXIBLE WINGS**  
PARAWINGS  
FIXED WINGS  
GLIDERS  
HANG GLIDERS  
INFINITE SPAN WINGS  
INFLATABLE STRUCTURES  
RIGID WINGS  
THIN WINGS  
TWISTED WINGS  
XV-8A AIRCRAFT

### FLEXING

UF FLEXURE  
RT BENDING  
CAMBER  
∞ CHAMBERS  
CURVATURE  
DEFLECTION  
DEFORMATION  
DISTORTION  
FLEXIBILITY  
FLEXIBLE SPACECRAFT  
FOLDING  
HEAVING  
LOADING MOMENTS

### FLEXORS

GS ANATOMY  
MUSCULOSKELETAL SYSTEM  
MUSCLES  
RT . **FLEXORS**  
JOINTS (ANATOMY)

### FLEXOWRITERS (TRADEMARK)

USE AUTOMATIC TYPEWRITERS

### FLEXURE

USE FLEXING

### FLICKER

RT CRITICAL FLICKER FUSION  
LIGHT TRANSMISSION

### FLICKER FUSION FREQUENCY

USE CRITICAL FLICKER FUSION

### FLIGHT

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
UF FLYING  
HIGH ALTITUDE FLIGHT  
HIGH SPEED FLIGHT  
RT AERODYNAMICS  
∞ AERONAUTICS  
BALLOON FLIGHT  
CLIMBING FLIGHT  
COASTING FLIGHT  
CRUISING FLIGHT  
FLIGHT ALTITUDE  
FLIGHT CONTROL  
FLIGHT MECHANICS  
FLIGHT OPTIMIZATION  
FLIGHT PATHS  
FLIGHT SAFETY  
FLIGHT TESTS  
FLIGHT TIME  
FREE FLIGHT  
GLIDING  
HORIZONTAL FLIGHT  
HYPERSONIC FLIGHT  
LONG DURATION SPACE FLIGHT  
LUNAR FLIGHT  
METEOROLOGICAL FLIGHT  
PARABOLIC FLIGHT  
ROCKET FLIGHT  
SOARING  
SPACE FLIGHT  
STEERING  
SUBORBITAL FLIGHT  
SUPERSONIC FLIGHT  
TRAJECTORIES  
TRANSOCEANIC FLIGHT  
TRANSONIC FLIGHT  
TURNING FLIGHT  
VERTICAL FLIGHT  
VISUAL FLIGHT

### FLIGHT ALTITUDE

GS ALTITUDE  
RT . **FLIGHT ALTITUDE**  
AIR TRAFFIC CONTROL  
CEILING (AIRCRAFT CAPABILITY)  
MIDALTITUDE

### FLIGHT CHARACTERISTICS

UF FLIGHT PERFORMANCE  
FLYING QUALITIES  
GS **FLIGHT CHARACTERISTICS**  
FLIGHT ENVELOPES  
RT AERODYNAMICS  
AIRCRAFT MANEUVERS  
AIRCRAFT PERFORMANCE  
AIRCRAFT SPECIFICATIONS  
AIRSPEED  
BUFFETING  
CEILING (AIRCRAFT CAPABILITY)  
∞ CHARACTERISTICS  
CONTROLLABILITY  
FLUTTER  
HELICOPTER PERFORMANCE  
HIGHLY MANEUVERABLE AIRCRAFT  
LOW SPEED STABILITY  
MANEUVERABILITY  
∞ PERFORMANCE  
QUALITY

### FLIGHT CLOTHING

GS CLOTHING  
RT . **FLIGHT CLOTHING**  
COVERALLS  
GARMENTS  
GOGGLES  
HELMETS  
PRESSURE SUITS  
PROTECTIVE CLOTHING

### FLIGHT COMPUTERS

USE AIRBORNE/SPACEBORNE COMPUTERS

## FLIGHT PATHS

### FLIGHT CONDITIONS

GS CONDITIONS  
 . **FLIGHT CONDITIONS**  
 RT AVIATION METEOROLOGY  
 CLOUD COVER  
 INSTRUMENT FLIGHT RULES  
 METEOROLOGICAL SERVICES  
 STORMS (METEOROLOGY)  
 VISUAL FLIGHT  
 WEATHER FORECASTING

### FLIGHT CONTROL

GS **FLIGHT CONTROL**  
 . AUTOMATIC FLIGHT CONTROL  
 . . AUTOMATIC LANDING CONTROL  
 . FLY BY TUBE CONTROL  
 . FLY BY WIRE CONTROL  
 . POINTING CONTROL SYSTEMS  
 . . ANNULAR SUSPENSION AND  
 . . POINTING SYSTEM  
 . THRUST VECTOR CONTROL  
 RT ACROBATICS  
 AIR TRAFFIC CONTROL  
 AIRCRAFT CONTROL  
 AIRCRAFT INSTRUMENTS  
 AIRCRAFT SURVIVABILITY  
 ATTITUDE CONTROL  
 ATTITUDE INDICATORS  
 AUTOMATED EN ROUTE ATC  
 AUTOMATIC CONTROL  
 AUTOMATIC PILOTS  
 ∞ CONTROL  
 CONTROL CONFIGURED VEHICLES  
 CONTROL STABILITY  
 CONTROL STICKS  
 CONTROL SURFACES  
 DISPLAY DEVICES  
 ENTRY GUIDANCE (STS)  
 FLIGHT CHARACTERISTICS  
 FLIGHT MANAGEMENT SYSTEMS  
 GROUND BASED CONTROL  
 GROUND SUPPORT EQUIPMENT  
 GUIDANCE (MOTION)  
 HELICOPTER CONTROL  
 IN-FLIGHT MONITORING  
 INSTRUMENT APPROACH  
 INSTRUMENT LANDING SYSTEMS  
 MANEUVERABILITY  
 MANEUVERS  
 MISSILE CONTROL  
 NAVIGATION  
 NAVIGATION AIDS  
 NAVIGATION INSTRUMENTS  
 RADIO NAVIGATION  
 REMOTE CONTROL  
 ROCKET ENGINE CONTROL  
 SOLAR COMPASSES  
 SPACECRAFT CONTROL  
 STABILITY AUGMENTATION  
 TURBOJET ENGINE CONTROL

### FLIGHT CREWS

UF AIRCREWS  
 GS PERSONNEL  
 . CREWS  
 . . **FLIGHT CREWS**  
 . . . SPACECREWS  
 . FLYING PERSONNEL  
 . . **FLIGHT CREWS**  
 . . . SPACECREWS  
 RT AIRCRAFT PILOTS  
 CREW PROCEDURES (INFLIGHT)  
 CREW PROCEDURES (PREFLIGHT)  
 CREW SIZE  
 FLIGHT FATIGUE  
 NAVIGATORS  
 PILOTS (PERSONNEL)

### FLIGHT ENVELOPES

GS FLIGHT CHARACTERISTICS  
 . **FLIGHT ENVELOPES**  
 RT AERODYNAMIC CHARACTERISTICS  
 AERODYNAMIC STABILITY  
 AIRCRAFT CONTROL  
 AIRCRAFT MANEUVERS  
 AIRCRAFT PERFORMANCE  
 AIRCRAFT STABILITY  
 ∞ ENVELOPES  
 FLIGHT TESTS  
 HELICOPTER PERFORMANCE  
 MANEUVERABILITY

### FLIGHT FATIGUE

GS FATIGUE (BIOLOGY)  
 . **FLIGHT FATIGUE**

### FLIGHT FATIGUE-(CONT.)

RT AEROSPACE MEDICINE  
 FLIGHT CREWS  
 ∞ FLIGHT STRESS  
 FLIGHT STRESS (BIOLOGY)  
 PILOT PERFORMANCE

### FLIGHT FITNESS

GS FITNESS  
 . **FLIGHT FITNESS**  
 RT ∞ FLIGHT STRESS  
 FLYING PERSONNEL  
 PHYSICAL EXAMINATIONS  
 PHYSICAL FITNESS

### FLIGHT HAZARDS

GS HAZARDS  
 . **FLIGHT HAZARDS**  
 . . METEOROID HAZARDS  
 RT AIR PIRACY  
 AIR TRAFFIC  
 AIRCRAFT ACCIDENTS  
 AIRCRAFT HAZARDS  
 AIRCRAFT SAFETY  
 AIRCRAFT SPIN  
 AVIATION METEOROLOGY  
 BIRD-AIRCRAFT COLLISIONS  
 BIRDS  
 COLLISIONS  
 CRASH LANDING  
 CRASHES  
 DESTRUCTION  
 MICROBURSTS (METEOROLOGY)  
 MIDAIR COLLISIONS  
 NOISE (SOUND)  
 OPERATIONAL HAZARDS  
 TOXIC HAZARDS  
 WEATHER

### FLIGHT INSTRUMENTS

GS **FLIGHT INSTRUMENTS**  
 . APPROACH INDICATORS  
 . ATTITUDE INDICATORS  
 . . GYRO HORIZONS  
 . AUTOMATIC PILOTS  
 . FLIGHT TEST INSTRUMENTS  
 . HORIZON SCANNERS  
 . RADIO ALTIMETERS  
 RT AIR NAVIGATION  
 AIRBORNE EQUIPMENT  
 AIRCRAFT CONTROL  
 AIRCRAFT EQUIPMENT  
 AIRCRAFT INSTRUMENTS  
 ALTIMETERS  
 BUBBLE TECHNIQUE  
 COMPASSES  
 DISPLAY DEVICES  
 ENGINE CONTROL  
 ENGINE MONITORING INSTRUMENTS  
 HEAD-UP DISPLAYS  
 INSTRUMENT APPROACH  
 INSTRUMENT FLIGHT RULES  
 INSTRUMENT LANDING SYSTEMS  
 ∞ INSTRUMENTS  
 LANDING INSTRUMENTS  
 LIGHT AIRBORNE MULTIPURPOSE  
 SYSTEM  
 MEASURING INSTRUMENTS  
 NAVIGATION INSTRUMENTS  
 NIGHT FLIGHTS (AIRCRAFT)  
 ONBOARD EQUIPMENT  
 POSITION INDICATORS  
 RADAR  
 RADIO DIRECTION FINDERS  
 RATE OF CLIMB INDICATORS  
 RECORDING INSTRUMENTS  
 SATELLITE INSTRUMENTS  
 SOLAR COMPASSES  
 SPACECRAFT INSTRUMENTS  
 SPACECRAFT POSITION INDICATORS  
 SPEED INDICATORS  
 STAR TRACKERS  
 TERCOM

### FLIGHT LOAD RECORDERS

GS MEASURING INSTRUMENTS  
 . **FLIGHT LOAD RECORDERS**  
 RECORDING INSTRUMENTS  
 . **FLIGHT LOAD RECORDERS**  
 RT STRAIN GAGES

### FLIGHT MANAGEMENT SYSTEMS

GS MANAGEMENT SYSTEMS  
 . **FLIGHT MANAGEMENT SYSTEMS**  
 RT AIR NAVIGATION

### FLIGHT MANAGEMENT SYSTEMS-(CONT.)

AIR TRAFFIC CONTROL  
 AIRBORNE/SPACEBORNE COMPUTERS  
 AUTOMATIC FLIGHT CONTROL  
 AUTOMATIC LANDING CONTROL  
 AVIONICS  
 COMPUTER TECHNIQUES  
 FLIGHT CONTROL  
 GROUND BASED CONTROL  
 NAVIGATION AIDS  
 ONBOARD DATA PROCESSING  
 SYSTEMS ENGINEERING

### FLIGHT MECHANICS

RT AERODYNAMICS  
 ASCENT TRAJECTORIES  
 DESCENT TRAJECTORIES  
 ∞ MECHANICS (PHYSICS)  
 MISSILE TRAJECTORIES  
 ORBIT CALCULATION  
 ORBIT DECAY  
 ORBITAL MECHANICS  
 ∞ PLATFORMS  
 REENTRY TRAJECTORIES  
 RENDEZVOUS  
 RENDEZVOUS TRAJECTORIES  
 SPACE FLIGHT  
 SPACE MECHANICS  
 SPACECRAFT REENTRY  
 SPACECRAFT TRAJECTORIES  
 THRUST PROGRAMMING  
 TRAJECTORIES  
 TRAJECTORY MEASUREMENT  
 TRAJECTORY OPTIMIZATION

### FLIGHT NURSES

GS PERSONNEL  
 . MEDICAL PERSONNEL  
 . . **FLIGHT NURSES**  
 RT CREWS

### FLIGHT OPERATIONS

GS **FLIGHT OPERATIONS**  
 . CREW PROCEDURES (INFLIGHT)  
 RT AIRCRAFT MAINTENANCE  
 CREW PROCEDURES (PREFLIGHT)  
 GROUND HANDLING  
 ONBOARD EQUIPMENT  
 REFUELING

### FLIGHT OPTIMIZATION

GS OPTIMIZATION  
 . **FLIGHT OPTIMIZATION**  
 RT BURNING TIME  
 EARTH-VENUS TRAJECTORIES  
 GREAT CIRCLES  
 ORBITAL MECHANICS  
 ORBITS  
 PARKING ORBITS  
 SPACE FLIGHT  
 THRUST PROGRAMMING  
 TRAJECTORIES  
 TRAJECTORY OPTIMIZATION

### FLIGHT PATHS

GS **FLIGHT PATHS**  
 . GLIDE PATHS  
 RT AIR NAVIGATION  
 AIR TRAFFIC  
 AIR TRAFFIC CONTROL  
 AIRCRAFT INSTRUMENTS  
 AIRCRAFT MANEUVERS  
 AIRSPACE  
 APPROACH  
 APPROACH CONTROL  
 AREA NAVIGATION  
 CAUSTIC LINES  
 CLIMBING FLIGHT  
 COLLISION AVOIDANCE  
 COLLISIONS  
 DELAYED FLAP APPROACH  
 DESCENT  
 ∞ DRIFT  
 GLIDING  
 GLOBAL POSITIONING SYSTEM  
 GREAT CIRCLES  
 GROUND TRACKS  
 GUIDANCE (MOTION)  
 HORIZONTAL FLIGHT  
 MISSILE TRAJECTORIES  
 NATIONAL AIRSPACE UTILIZATION  
 SYSTEM  
 NAVIGATION  
 NAVIGATION AIDS  
 ORBITS

## FLIGHT PERFORMANCE

### FLIGHT PATHS-(CONT.)

∞ PATHS  
 REENTRY  
 ROCKET FLIGHT  
 SATELLITE GROUND TRACKS  
 SOLAR COMPASSES  
 SWATH WIDTH  
 TACAN  
 TRAJECTORIES  
 TURNING FLIGHT  
 UNCONTROLLED REENTRY  
 (SPACECRAFT)  
 VERTICAL FLIGHT  
 VISUAL FLIGHT

### FLIGHT PERFORMANCE

USE FLIGHT CHARACTERISTICS

### FLIGHT PLANS

RT AIR NAVIGATION  
 AIR TRAFFIC  
 AIR TRAFFIC CONTROL  
 APPROACH  
 INSTRUMENT FLIGHT RULES  
 NATIONAL AIRSPACE UTILIZATION  
 SYSTEM  
 ∞ PLANS  
 ROUTES  
 THRUST PROGRAMMING  
 WEATHER

### FLIGHT RECORDERS

GS AIRCRAFT INSTRUMENTS  
 . FLIGHT RECORDERS  
 MEASURING INSTRUMENTS  
 . FLIGHT RECORDERS  
 RECORDING INSTRUMENTS  
 . FLIGHT RECORDERS

### FLIGHT RULES

GS RULES  
 . FLIGHT RULES  
 . . INSTRUMENT FLIGHT RULES  
 . . VISUAL FLIGHT RULES  
 RT AIR NAVIGATION  
 AIR TRAFFIC CONTROL  
 COLLISION AVOIDANCE  
 NATIONAL AIRSPACE UTILIZATION  
 SYSTEM  
 NATIONAL AVIATION SYSTEM  
 NOISE REDUCTION

### FLIGHT SAFETY

GS SAFETY  
 . FLIGHT SAFETY  
 RT AEROSPACE SAFETY  
 AIR PIRACY  
 AIR TRAFFIC CONTROL  
 AIRCRAFT ACCIDENTS  
 AIRCRAFT APPROACH SPACING  
 AIRCRAFT HAZARDS  
 AIRCRAFT SAFETY  
 AIRCRAFT SPIN  
 ALL-WEATHER LANDING SYSTEMS  
 AVIATION METEOROLOGY  
 COLLISION AVOIDANCE  
 CRASHES  
 CRASHWORTHINESS  
 DESTRUCTION  
 ∞ FLIGHT  
 ∞ FLIGHT STRESS  
 FLYING EJECTION SEATS  
 MIDAIR COLLISIONS  
 ONBOARD EQUIPMENT  
 SAFETY DEVICES  
 SELF SEALING  
 VISUAL FLIGHT

### FLIGHT SIMULATION

GS SIMULATION  
 . FLIGHT SIMULATION  
 RT ACOUSTIC SIMULATION  
 ALTITUDE SIMULATION  
 ANALOG SIMULATION  
 COMPUTERIZED SIMULATION  
 CONTROL SIMULATION  
 ENVIRONMENT SIMULATION  
 LANDING SIMULATION  
 MOTION SIMULATION  
 SPACE ENVIRONMENT SIMULATION  
 SPACE FLIGHT  
 SYSTEMS SIMULATION  
 TRAINING SIMULATORS  
 WEIGHTLESSNESS SIMULATION

### FLIGHT SIMULATORS

GS SIMULATORS  
 . TRAINING SIMULATORS  
 . FLIGHT SIMULATORS  
 . . COCKPIT SIMULATORS  
 RT ATMOSPHERIC ENTRY SIMULATION  
 CENTRIFUGES  
 CONTROL SIMULATION  
 CRYOGENIC WIND TUNNELS  
 LANGLEY COMPLEX COORDINATOR  
 LUNAR ORBIT AND LANDING  
 SIMULATORS  
 ∞ MISSILE SIMULATORS  
 MOTION SIMULATION  
 MOTION SIMULATORS  
 PILOT TRAINING  
 SPACE ENVIRONMENT SIMULATION  
 SPACE SIMULATORS  
 TEST FACILITIES  
 TRAINING DEVICES  
 WIND TUNNELS

### FLIGHT STABILITY TESTS

GS FLIGHT TESTS  
 . FLIGHT STABILITY TESTS  
 STABILITY TESTS  
 . FLIGHT STABILITY TESTS  
 RT AERODYNAMIC STABILITY  
 ∞ TESTS

### ∞ FLIGHT STRESS

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT FLIGHT FATIGUE  
 FLIGHT FITNESS  
 FLIGHT SAFETY  
 HUMAN FACTORS ENGINEERING  
 SPACE FLIGHT STRESS  
 STRESS ANALYSIS  
 STRESSES

### FLIGHT STRESS (BIOLOGY)

SN (EXCLUDES MECHANICAL STRESS AND  
 AND STRAIN)  
 GS FLIGHT STRESS (BIOLOGY)  
 . SPACE FLIGHT STRESS  
 RT ACCELERATION (PHYSICS)  
 BIOLOGICAL EFFECTS  
 ∞ BIOLOGY  
 FLIGHT FATIGUE  
 JET LAG  
 PHYSIOLOGICAL FACTORS  
 PSYCHOLOGICAL FACTORS  
 STRESS (PHYSIOLOGY)  
 STRESS (PSYCHOLOGY)  
 WEIGHTLESSNESS

### FLIGHT SURGEONS

GS PERSONNEL  
 . MEDICAL PERSONNEL  
 . . SURGEONS  
 . . . FLIGHT SURGEONS

### FLIGHT TECHNICAL ERROR

USE PILOT ERROR

### FLIGHT TEST INSTRUMENTS

GS FLIGHT INSTRUMENTS  
 . FLIGHT TEST INSTRUMENTS  
 RT AIRCRAFT INSTRUMENTS  
 ROCKET-BORNE INSTRUMENTS  
 SPACECRAFT INSTRUMENTS

### FLIGHT TEST VEHICLES

GS TEST VEHICLES  
 . FLIGHT TEST VEHICLES  
 RT ∞ AIRCRAFT  
 LAUNCH VEHICLES  
 MISSILES  
 RESEARCH AIRCRAFT  
 ∞ SPACECRAFT  
 ∞ VEHICLES

### FLIGHT TESTS

GS FLIGHT TESTS  
 . FLIGHT STABILITY TESTS  
 . SPACE TRANSPORTATION SYSTEM  
 FLIGHTS  
 . . SPACE TRANSPORTATION SYSTEM 1  
 FLIGHT  
 . . SPACE TRANSPORTATION SYSTEM 2  
 FLIGHT  
 . . SPACE TRANSPORTATION SYSTEM 3  
 FLIGHT

### FLIGHT TESTS-(CONT.)

. . SPACE TRANSPORTATION SYSTEM 4  
 FLIGHT  
 RT AIR START  
 AIRCRAFT DESIGN  
 ALTITUDE TESTS  
 CERTIFICATION  
 DAST PROGRAM  
 DOWNRANGE  
 DYNAMIC TESTS  
 ENGINE TESTS  
 FLIGHT ENVELOPES  
 FREE FLIGHT TEST APPARATUS  
 FULL SCALE TESTS  
 GROUND TESTS  
 HIGH ALTITUDE TESTS  
 HIGHLY MANEUVERABLE AIRCRAFT  
 IN-FLIGHT MONITORING  
 MISSILE DESIGN  
 MISSILE TESTS  
 POSTMISSION ANALYSIS (SPACECRAFT)  
 SPACE ELECTRIC ROCKET TESTS  
 STABILITY TESTS  
 ∞ TESTS  
 VIBRATION TESTS  
 WING FLOW METHOD TESTS

### FLIGHT TIME

GS TIME  
 . FLIGHT TIME  
 RT AIR TRAFFIC CONTROL  
 BURNING TIME  
 TESTING TIME  
 TRAJECTORIES  
 TRANSIT TIME  
 TURNAROUND (STS)  
 WINDOWS (INTERVALS)

### FLIGHT TRAINING

GS EDUCATION  
 . FLIGHT TRAINING  
 . . SPACE FLIGHT TRAINING  
 RT ASTRONAUT TRAINING  
 EJECTION TRAINING  
 FLYING PERSONNEL  
 PILOT TRAINING  
 TRAINING SIMULATORS

### ∞ FLIGHT VEHICLES

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT AIRCRAFT CONFIGURATIONS  
 GROUND EFFECT MACHINES  
 HYPERSONIC VEHICLES  
 LUNAR FLYING VEHICLES  
 MISSILES  
 REENTRY VEHICLES  
 RESEARCH VEHICLES  
 ROCKET VEHICLES  
 ∞ VEHICLES

### FLINT

GS CHALCOGENIDES  
 . OXIDES  
 . . DIOXIDES  
 . . . FLINT  
 SILICON COMPOUNDS  
 . FLINT  
 RT QUARTZ

### FLIP-FLOPS

UF BISTABLE AMPLIFIERS  
 GS CIRCUITS  
 . BISTABLE CIRCUITS  
 . . FLIP-FLOPS  
 . . MULTIVIBRATORS  
 . . FLIP-FLOPS  
 RT COMPUTER STORAGE DEVICES  
 DATA STORAGE  
 FLUID SWITCHING ELEMENTS  
 FLUIDIC CIRCUITS  
 OSCILLATORS

### FLIR DETECTORS

UF FORWARD LOOKING INFRARED  
 DETECTORS  
 GS MEASURING INSTRUMENTS  
 . RADIATION MEASURING INSTRUMENTS  
 . . INFRARED INSTRUMENTS  
 . . . INFRARED DETECTORS  
 . . . FLIR DETECTORS  
 RT ∞ DETECTORS  
 INFRARED RADAR  
 ∞ SENSORS

## FLOW DISTORTION

### FLOAT ZONES

RT CRYSTAL GROWTH  
MELTS (CRYSTAL GROWTH)  
SILICON  
SOLAR CELLS  
SPACE PROCESSING  
ZONE MELTING

### FLOATING

RT BALLAST (MASS)  
BUOYANCY  
FLOATS

### FLOATING POINT ARITHMETIC

GS NUMBER THEORY  
. ARITHMETIC  
. . . **FLOATING POINT ARITHMETIC**  
RT COMPUTER PROGRAMS  
COMPUTERS  
DATA PROCESSING

### FLOATS

UF FLOTATION SYSTEMS  
RT BALLAST (MASS)  
BUOYS  
EMERGENCY LIFE SUSTAINING  
SYSTEMS  
FLOATING  
INFLATABLE STRUCTURES  
LANDING GEAR  
LIFE RAFTS  
RAFTS  
SEPARATORS

### FLOCCULATING

RT AGGLOMERATION  
COAGULATION  
COALESCING  
COLLOIDING  
CONCENTRATING  
FLOTATION  
PRECIPITATION (CHEMISTRY)  
SETTLING  
WATER TREATMENT

### FLOOD CONTROL

RT CANALS  
∞ CONTROL  
DAMS  
DRAINAGE  
HYDROLOGY  
RAINSTORMS  
STORM DAMAGE  
STORMS (METEOROLOGY)  
WATERSHEDS

### FLOOD DAMAGE

GS DAMAGE  
. **FLOOD DAMAGE**  
RT DRAINAGE PATTERNS  
HYDROLOGY  
LANDSLIDES  
PRECIPITATION (METEOROLOGY)  
SEEPAGE  
STORMS  
STORMS (METEOROLOGY)  
TIDES  
WATER EROSION  
WATER FLOW

### FLOOD PLAINS

GS LAND  
. PLAINS  
. . . **FLOOD PLAINS**  
RT FLOODS  
HYDROGEOLOGY  
HYDROLOGY

### FLOOD PREDICTIONS

GS PREDICTIONS  
. **FLOOD PREDICTIONS**  
RT FLOODS  
HYDROGEOLOGY  
HYDROLOGY  
PRECIPITATION (METEOROLOGY)  
RAIN  
RAINSTORMS  
∞ SHOWERS  
STORMS (METEOROLOGY)  
WEATHER FORECASTING

### FLOODS

RT ALLUVIUM  
DROUGHT

### FLOODS-(CONT.)

FLOOD PLAINS  
FLOOD PREDICTIONS  
HYDROLOGY  
HYDROLOGY MODELS  
MISSISSIPPI RIVER (US)  
PRECIPITATION (METEOROLOGY)  
STORM DAMAGE  
STORMS  
STORMS (METEOROLOGY)  
TIDES  
WATER FLOW  
WATER MANAGEMENT  
WATERSHEDS

### FLOORS

UF DECKS (FLOORS)  
RT BASEMENTS  
BUILDINGS  
CEILINGS (ARCHITECTURE)  
DOORS  
∞ PLATFORMS  
SUBSTRUCTURES  
TILES  
WALLS

### FLOQUET THEOREM

GS THEOREMS  
. **FLOQUET THEOREM**  
RT DIFFERENTIAL EQUATIONS  
LINEAR EQUATIONS  
PERIODIC FUNCTIONS

### FLORA

USE PLANTS (BOTANY)

### FLORIDA

GS NATIONS  
. UNITED STATES  
. . . **FLORIDA**  
RT EVERGLADES (FL)  
GULF OF MEXICO  
MERRITT ISLAND (FL)

### FLOTATION

RT ACTIVATION  
BENEFICIATION  
CLASSIFIERS  
COAGULATION  
CONCENTRATING  
FLOCCULATING  
FLUID ROTOR GYROSCOPES  
FOAMING  
LEVITATION  
∞ SEPARATION  
SETTLING  
SIZE SEPARATION  
SUSPENSION SYSTEMS (VEHICLES)  
WATER TREATMENT

### FLOTATION SYSTEMS

USE FLOATS

### ∞ FLOUR

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT FINES  
FLOUR (FOOD)

### FLOUR (FOOD)

RT ∞ FLOUR  
∞ FOOD  
MILLET  
POWDER (PARTICLES)

### ∞ FLOW

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT AERODYNAMICS  
ANNULAR FLOW  
BRILLOUIN FLOW  
CORNER FLOW  
CREEP PROPERTIES  
CROSS FLOW  
EXHAUST NOZZLES  
FLOW EQUATIONS  
FLOW THEORY  
FLOW VELOCITY  
FLUID FLOW  
GRAZING FLOW  
HEAT TRANSMISSION  
INFORMATION FLOW

### FLOW-(CONT.)

INTERACTIONAL AERODYNAMICS  
INVISCID FLOW  
LOW DENSITY FLOW  
MASS FLOW  
ORIFICE FLOW  
OUTLET FLOW  
PANEL METHOD (FLUID DYNAMICS)  
PLASTIC FLOW  
SHEAR FLOW  
SOLIDS FLOW  
STEADY FLOW  
TRANSONIC FLOW  
UNSTEADY FLOW  
VISCOUS FLOW

### FLOW CHAMBERS

RT ∞ CHAMBERS

### FLOW CHARACTERISTICS

GS DYNAMIC CHARACTERISTICS  
. **FLOW CHARACTERISTICS**  
. . . FLOW DISTRIBUTION  
. . . FLOW STABILITY  
. . . BOUNDARY LAYER STABILITY  
. . . FLAME STABILITY  
. . . MAGNETOHYDRODYNAMIC  
STABILITY  
. . . WEIBEL INSTABILITY  
. . . FLOW VELOCITY  
RT BAROTROPIC FLOW  
∞ CHARACTERISTICS  
CRITICAL FLOW  
CROSS FLOW  
EDDY VISCOSITY  
INVISCID FLOW  
LAMINAR FLOW  
NONUNIFORM FLOW  
OUTLET FLOW  
REATTACHED FLOW  
SEPARATED FLOW  
STEADY FLOW  
STROUHAL NUMBER  
SUBCRITICAL FLOW  
SUPERCRITICAL FLOW  
TURBULENCE  
TURBULENT FLOW  
VISCOSITY  
VISCOUS FLOW

### FLOW CHARTS

GS CHARTS  
. **FLOW CHARTS**  
RT BLOCK DIAGRAMS  
COMPUTER PROGRAMMING  
DATA FLOW ANALYSIS  
∞ FLOW GRAPHS  
MATHEMATICAL MODELS

### FLOW COEFFICIENTS

GS COEFFICIENTS  
. **FLOW COEFFICIENTS**  
. . . DISCHARGE COEFFICIENT  
RT AERODYNAMIC COEFFICIENTS  
ATTENUATION COEFFICIENTS  
MASS FLOW FACTORS  
NOZZLE THRUST COEFFICIENTS  
REFLECTANCE  
TRANSPORT PROPERTIES

### FLOW DEFLECTION

RT COMPUTATIONAL FLUID DYNAMICS  
DEFLECTORS  
FLOW DISTRIBUTION  
FLOW VELOCITY  
PRANDTL-MEYER EXPANSION

### FLOW DIRECTION INDICATORS

GS DISPLAY DEVICES  
. **FLOW DIRECTION INDICATORS**  
. . . WIND VANES  
MEASURING INSTRUMENTS  
. . . INDICATING INSTRUMENTS  
. . . **FLOW DIRECTION INDICATORS**  
. . . WIND VANES

### FLOW DISTORTION

GS DISTORTION  
. **FLOW DISTORTION**  
RT AERODYNAMIC COEFFICIENTS  
FLUID FLOW  
MULTIPHASE FLOW  
ORR-SOMMERFELD EQUATIONS  
OSCILLATING FLOW  
SMALL PERTURBATION FLOW

## FLOW DISTRIBUTION

### FLOW DISTORTION-(CONT.)

VORTICES  
WING TIP VORTICES

### FLOW DISTRIBUTION

UF FLOW FIELDS  
FLOW PATTERNS  
GS DISTRIBUTION (PROPERTY)  
. **FLOW DISTRIBUTION**  
DYNAMIC CHARACTERISTICS  
. FLOW CHARACTERISTICS  
. **FLOW DISTRIBUTION**  
RT BOUNDARY LAYER FLOW  
BOUNDARY LAYER SEPARATION  
CAVITATION FLOW  
CHAPMAN-ENSKOG THEORY  
EXHAUST FLOW SIMULATION  
FIELD THEORY (PHYSICS)  
FLOW DEFLECTION  
∞ FLOW GRAPHS  
HYDRODYNAMIC COEFFICIENTS  
ISOTHERMAL FLOW  
METHOD OF CHARACTERISTICS  
NUMERICAL FLOW VISUALIZATION  
REATTACHED FLOW  
RHEOELECTRICAL SIMULATION  
SEPARATED FLOW  
STAGNATION POINT  
STROUHAL NUMBER  
THREE DIMENSIONAL BODIES  
TRAPPED VORTEXES  
VELOCITY DISTRIBUTION  
VORTEX SHEETS  
WATER TUNNEL TESTS  
WIND TUNNEL TESTS

### FLOW EQUATIONS

GS **FLOW EQUATIONS**  
. BOUNDARY LAYER EQUATIONS  
. BLASIUS EQUATION  
. CHAPLYGIN EQUATION  
. NAVIER-STOKES EQUATION  
. REYNOLDS EQUATION  
. VON KARMAN EQUATION  
. VORTICITY EQUATIONS  
. HELMHOLTZ VORTICITY EQUATION  
RT BERNOULLI THEOREM  
COMPUTATIONAL FLUID DYNAMICS  
∞ EQUATIONS  
FLUID FLOW  
PARTICLE IN CELL TECHNIQUE  
PERCUS METHOD  
RAYLEIGH EQUATIONS

### FLOW FIELDS

USE FLOW DISTRIBUTION

### FLOW GEOMETRY

GS GEOMETRY  
. **FLOW GEOMETRY**  
RT ANNULAR FLOW  
AXIAL FLOW  
AXISYMMETRIC FLOW  
BACKWARD FACING STEPS  
BYPASS RATIO  
CHANNEL FLOW  
COAXIAL FLOW  
CORE FLOW  
CROSS FLOW  
DUCTED FLOW  
HELICAL FLOW  
INLET AIRFRAME CONFIGURATIONS  
INLET FLOW  
LAMINAR FLOW  
MERIDIONAL FLOW  
NOZZLE FLOW  
ONE DIMENSIONAL FLOW  
PARALLEL FLOW  
RADIAL FLOW  
STEADY FLOW  
STRATIFIED FLOW  
THREE DIMENSIONAL FLOW  
TWO DIMENSIONAL FLOW  
WEDGE FLOW

### ∞ FLOW GRAPHS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED-CONSULT THE TERMS  
LISTED BELOW)  
RT EQUIPOTENTIALS  
FLOW CHARTS  
FLOW DISTRIBUTION  
SIGNAL FLOW GRAPHS

### FLOW MEASUREMENT

GS MECHANICAL MEASUREMENT  
. **FLOW MEASUREMENT**  
RT ANEMOMETERS  
ANNULI  
DRAG FORCE ANEMOMETERS  
DRAG MEASUREMENT  
FLOWMETERS  
FLUID FLOW  
GAS METERS  
HOT-FILM ANEMOMETERS  
HOT-WIRE ANEMOMETERS  
LASER DOPPLER VELOCIMETERS  
∞ MEASUREMENT  
MULTIPHASE FLOW  
∞ NOZZLES  
ORIFICES  
PITOT TUBES  
PNEUMATIC PROBES  
PRESSURE MEASUREMENT  
RHEOLOGY  
SOLIDS FLOW  
VELOCITY MEASUREMENT  
VENTURI TUBES  
WATER FLOW  
WIND VELOCITY

### FLOW NETS

RT EQUIPOTENTIALS  
SEEPAGE

### FLOW PATTERNS

USE FLOW DISTRIBUTION

### FLOW RATE

USE FLOW VELOCITY

### FLOW REGULATORS

GS REGULATORS  
. **FLOW REGULATORS**  
. FUEL FLOW REGULATORS  
RT FLOWMETERS  
OXYGEN REGULATORS  
PRESSURE REGULATORS

### FLOW RESISTANCE

GS FRICTION  
. **FLOW RESISTANCE**  
. FRICTION DRAG  
. AERODYNAMIC DRAG  
. SUPERSONIC DRAG  
. VISCOUS DRAG  
RT EDDY VISCOSITY  
∞ HIGH RESISTANCE  
∞ LOW RESISTANCE  
∞ RESISTANCE  
SKIN FRICTION  
VISCOSITY

### FLOW SEPARATION

USE BOUNDARY LAYER SEPARATION  
SEPARATED FLOW

### FLOW STABILITY

UF HYDRODYNAMIC STABILITY  
GS DYNAMIC CHARACTERISTICS  
. DYNAMIC STABILITY  
. MOTION STABILITY  
. **FLOW STABILITY**  
. BOUNDARY LAYER STABILITY  
. FLAME STABILITY  
. MAGNETOHYDRODYNAMIC  
STABILITY  
. WEIBEL INSTABILITY  
. FLOW CHARACTERISTICS  
. **FLOW STABILITY**  
. BOUNDARY LAYER STABILITY  
. FLAME STABILITY  
. MAGNETOHYDRODYNAMIC  
STABILITY  
. WEIBEL INSTABILITY  
STABILITY  
. DYNAMIC STABILITY  
. MOTION STABILITY  
. **FLOW STABILITY**  
. BOUNDARY LAYER STABILITY  
. FLAME STABILITY  
. MAGNETOHYDRODYNAMIC  
STABILITY  
. WEIBEL INSTABILITY  
AERODYNAMIC STABILITY  
BAROCLINIC INSTABILITY  
DIRECTIONAL STABILITY  
FLUID FLOW  
GOERTLER INSTABILITY

### FLOW STABILITY-(CONT.)

HYDRODYNAMIC EQUATIONS  
HYDROFOIL OSCILLATIONS  
KELVIN-HELMHOLTZ INSTABILITY  
LAMINAR FLOW  
LATERAL STABILITY  
LONGITUDINAL STABILITY  
LOW SPEED STABILITY  
ORR-SOMMERFELD EQUATIONS  
ROTARY STABILITY  
STEADY FLOW  
STROUHAL NUMBER  
SUPERSONIC DIFFUSERS  
SYSTEMS STABILITY  
TURBULENT FLOW  
UNSTEADY FLOW  
VISCOUS FLUIDS  
VON KARMAN EQUATION  
VORTEX BREAKDOWN  
VORTEX FILAMENTS  
VORTICES  
VORTICITY

### FLOW THEORY

GS **FLOW THEORY**  
. MIXING LENGTH FLOW THEORY  
RT AERODYNAMICS  
BOUNDARY LAYER EQUATIONS  
CONTINUUM MECHANICS  
DISLOCATIONS (MATERIALS)  
FLUID FLOW  
FLUID MECHANICS  
HYDRODYNAMIC EQUATIONS  
HYDRODYNAMICS  
LIGHTHILL METHOD  
MASS FLOW  
NAVIER-STOKES EQUATION  
ORR-SOMMERFELD EQUATIONS  
PANEL METHOD (FLUID DYNAMICS)  
PNEUMATICS  
RHEOLOGY  
SOLIDS FLOW  
∞ THEORIES

### FLOW VELOCITY

UF FLOW RATE  
GS DYNAMIC CHARACTERISTICS  
. FLOW CHARACTERISTICS  
. **FLOW VELOCITY**  
RATES (PER TIME)  
. **FLOW VELOCITY**  
. SOLAR WIND VELOCITY  
VELOCITY  
. **FLOW VELOCITY**  
. SOLAR WIND VELOCITY  
RT DISCHARGE COEFFICIENT  
DUMP COMBUSTORS  
EXHAUST VELOCITY  
∞ FLOW  
FLOW DEFLECTION  
HYDRODYNAMIC COEFFICIENTS  
HYPERSONIC FLOW  
HYPERVELOCITY FLOW  
LASER ANEMOMETERS  
LOW SPEED  
MASS FLOW RATE  
PARALLEL FLOW  
SUBSONIC FLOW  
SUPERSONIC FLOW  
TRANSONIC FLOW  
UNSTEADY FLOW  
VELOCITY DISTRIBUTION  
VELOCITY MEASUREMENT  
VORTEX PRECESSION

### FLOW VISUALIZATION

UF VISUALIZATION OF FLOW  
GS **FLOW VISUALIZATION**  
. NUMERICAL FLOW VISUALIZATION  
RT DIFFERENTIAL INTERFEROMETRY  
FLUID FLOW  
HYDRAULIC ANALOGIES  
SCHLIEREN PHOTOGRAPHY  
SHADOWGRAPH PHOTOGRAPHY  
WATER TUNNEL TESTS  
WIND TUNNEL MODELS

### FLOWMETERS

GS MEASURING INSTRUMENTS  
. **FLOWMETERS**  
. GAS METERS  
. HOT-WIRE FLOWMETERS  
. RHEOMETERS  
RT ELECTRICAL MEASUREMENT  
FLOW MEASUREMENT

**FLOWMETERS-(CONT.)**

FLOW REGULATORS  
FLUID FLOW  
FUEL GAGES  
HOT-WIRE ANEMOMETERS  
MECHANICAL MEASUREMENT  
ORIFICES  
PITOT TUBES  
PRESSURE GAGES  
PRESSURE MEASUREMENT  
SONIC ANEMOMETERS  
SPEED INDICATORS  
TURBINE INSTRUMENTS  
VELOCITY MEASUREMENT  
VENTURI TUBES  
VORTEX PRECESSION

**FLOX**

UF FLUORINE-LIQUID OXYGEN  
GS LIQUIDS  
CRYOGENIC FLUIDS  
FLOX  
OXIDIZERS  
ROCKET OXIDIZERS  
FLOX  
RT FLUORINE  
LIQUID OXYGEN

**FLTSATCOM**

USE FLEET SATELLITE COMMUNICATION  
SYSTEM

**FLUCTUATION**

USE VARIATIONS

**FLUCTUATION THEORY**

RT HOMOGENEOUS TURBULENCE  
SQUEEZED STATES (QUANTUM THEORY)  
STATISTICAL MECHANICS  
THEORIES

**FLUE GASES**

GS GASES  
EXHAUST GASES  
FLUE GASES  
RT AIR POLLUTION  
COMBUSTION PRODUCTS  
DESULFURIZING  
ELECTRIC POWER PLANTS  
FLUES  
POLLUTION CONTROL  
SCRUBBERS

**FLUENCE**

RT HEALTH PHYSICS  
IONIZING RADIATION  
RADIATION COUNTERS

**FLUERICS**

GS FLUIDICS  
FLUERICS  
RT FLUID AMPLIFIERS  
FLUID SWITCHING ELEMENTS  
FLUIDIC CIRCUITS  
HYDRAULIC ANALOGIES

**FLUES**

RT CHIMNEYS  
DRAFT (GAS FLOW)  
DUCTS  
EXHAUST SYSTEMS  
FLUE GASES  
VENTS

**FLUID AMPLIFICATION**

USE FLUID AMPLIFIERS

**FLUID AMPLIFIERS**

UF FLUID AMPLIFICATION  
FLUID JET AMPLIFIERS  
GS AMPLIFIERS  
FLUID AMPLIFIERS  
JET AMPLIFIERS  
RT AMPLIFICATION  
AUTOMATIC CONTROL VALVES  
BOUNDARY LAYER CONTROL  
COANDA EFFECT  
CONVERGENT NOZZLES  
FLUERICS  
FLUIDIC CIRCUITS  
FLUIDICS  
HYDRAULIC EQUIPMENT  
PNEUMATIC EQUIPMENT  
PRESSURE RECOVERY

**FLUID AMPLIFIERS-(CONT.)**

TURBULENT FLOW  
TURBULENT JETS  
WALL JETS

**FLUID BOUNDARIES**

GS BOUNDARIES  
FLUID BOUNDARIES  
GAS-SOLID INTERFACES  
JET BOUNDARIES  
LIQUID-LIQUID INTERFACES  
LIQUID-SOLID INTERFACES  
LIQUID-VAPOR INTERFACES  
INTERFACES  
FLUID BOUNDARIES  
GAS-SOLID INTERFACES  
JET BOUNDARIES  
LIQUID-LIQUID INTERFACES  
LIQUID-SOLID INTERFACES  
LIQUID-VAPOR INTERFACES  
RT BACKWARD FACING STEPS  
BOUNDARY LAYERS  
FREE BOUNDARIES  
HEAT TRANSFER  
INTERFACE STABILITY  
LIQUID LEVELS  
LIQUID SURFACES  
PRESSURE GRADIENTS

**FLUID DYNAMICS**

UF CASCADES (FLUID DYNAMICS)  
GS FLUID MECHANICS  
FLUID DYNAMICS  
COMPUTATIONAL FLUID DYNAMICS  
GAS DYNAMICS  
AERODYNAMICS  
AEROTHERMODYNAMICS  
HYPERSONICS  
ROTOR AERODYNAMICS  
SUPERSONICS  
UNSTEADY AERODYNAMICS  
INTERACTIONAL AERODYNAMICS  
RAREFIED GAS DYNAMICS  
HYDRODYNAMICS  
ELASTOHYDRODYNAMICS  
ELECTROHYDRODYNAMICS  
MAGNETOHYDRODYNAMICS  
ROTONS  
VORTEX SHEDDING  
RT CONTINUITY EQUATION  
CONVECTION  
CROSS FLOW  
DYNAMICS  
EYRING THEORY  
FLUID MANAGEMENT  
FLUX VECTOR SPLITTING  
GAS-SOLID INTERACTIONS  
GEOPHYSICAL FLUIDS  
GLIMM METHOD  
HYDRAULICS  
HYDROMECHANICS  
KINETICS  
LOW DENSITY FLOW  
MAGNUS EFFECT  
MECHANICS (PHYSICS)  
OCEAN DYNAMICS  
PANEL METHOD (FLUID DYNAMICS)  
PARALLEL FLOW  
PISTON THEORY  
PRIMITIVE EQUATIONS  
QUASI-STEADY STATES  
SCIENCE  
SLAMMING  
STAGNATION POINT  
STEADY STATE  
STREAMLINING  
THERMOHYDRAULICS  
TURBULENCE  
TURBULENT FLOW  
UNIFORM FLOW  
UNSTEADY FLOW  
UNSTEADY STATE  
VORTEX FILAMENTS

**FLUID FILLED SHELLS**

GS SHELLS (STRUCTURAL FORMS)  
FLUID FILLED SHELLS  
LIQUID FILLED SHELLS  
RT HYDRODYNAMIC RAM EFFECT  
PROPELLANT TANKS  
REINFORCED SHELLS  
SHELL STABILITY  
STORAGE  
TANKS (CONTAINERS)  
VESSELS

**FLUID FILMS**

GS FLUID FILMS  
SQUEEZE FILMS  
RT FILMS  
GAS BEARINGS  
LIQUID-SOLID INTERFACES

**FLUID FILTERS**

UF MASS FILTERS  
PARTICULATE FILTERS  
SEPARATORS  
GS FLUID FILTERS  
AIR FILTERS  
RT CENTRIFUGES  
CONCENTRATORS  
FILTERS  
FILTRATION  
FLUIDIZED BED PROCESSORS  
SIEVES  
SIZING SCREENS

**FLUID FLOW**

UF INDUCED FLUID FLOW  
ROTATIONAL FLOW  
GS FLUID FLOW  
ADIABATIC FLOW  
AXIAL FLOW  
AXISYMMETRIC FLOW  
ANNULAR FLOW  
KARMAN-BODEWADT FLOW  
BAROTROPIC FLOW  
BASE FLOW  
BELTRAMI FLOW  
BLOOD FLOW  
CAPILLARY FLOW  
CASCADE FLOW  
CHANNEL FLOW  
OPEN CHANNEL FLOW  
COAXIAL FLOW  
COMBUSTIBLE FLOW  
COMPRESSIBLE FLOW  
TRANSONIC FLOW  
CONICAL FLOW  
CONVECTIVE FLOW  
RAYLEIGH-BENARD CONVECTION  
BENARD CELLS  
CORE FLOW  
CORNER FLOW  
COUNTERFLOW  
CRITICAL FLOW  
CROSS FLOW  
DUCTED FLOW  
KNUDSEN FLOW  
FREE FLOW  
FUEL FLOW  
PROPELLANT TRANSFER  
GAS FLOW  
AIR FLOW  
AIR CURRENTS  
JET STREAMS (METEOROLOGY)  
MERIDIONAL FLOW  
VERTICAL AIR CURRENTS  
CONTINUUM FLOW  
COOLING FLOWS (ASTROPHYSICS)  
EQUILIBRIUM FLOW  
FROZEN EQUILIBRIUM FLOW  
SHIFTING EQUILIBRIUM FLOW  
FREE MOLECULAR FLOW  
KNUDSEN FLOW  
MOLECULAR FLOW  
SLIP FLOW  
TRANSITION FLOW  
NONEQUILIBRIUM FLOW  
PIPE FLOW  
HEAD (FLUID MECHANICS)  
HEAD FLOW  
PRESSURE HEADS  
HELICAL FLOW  
HYPERSONIC FLOW  
HYPERVELOCITY FLOW  
INCOMPRESSIBLE FLOW  
STOKES FLOW  
INLET FLOW  
INVISCID FLOW  
STAGNATION FLOW  
ISOTHERMAL FLOW  
JET FLOW  
AIR JETS  
PERIPHERAL JET FLOW  
SUPERSONIC JET FLOW  
JET MIXING FLOW  
LAMINAR FLOW  
BLASIUS FLOW  
HARTMANN FLOW  
STRATIFIED FLOW



## FLUID INJECTION

### FLUID FLOW-(CONT.)

. LIQUID FLOW  
 . OPEN CHANNEL FLOW  
 . WATER FLOW  
 . MAGNETOHYDRODYNAMIC FLOW  
 . MASS FLOW  
 . MULTIPHASE FLOW  
 . TWO PHASE FLOW  
 . NONNEWTONIAN FLOW  
 . NONUNIFORM FLOW  
 . NOZZLE FLOW  
 . ONE DIMENSIONAL FLOW  
 . ORIFICE FLOW  
 . OUTLET FLOW  
 . PARALLEL FLOW  
 . PIPE FLOW  
 . THREE DIMENSIONAL FLOW  
 . PLASTIC FLOW  
 . TRESKA FLOW  
 . POTENTIAL FLOW  
 . EQUIPOTENTIALS  
 . RADIAL FLOW  
 . RECIRCULATIVE FLUID FLOW  
 . REVERSED FLOW  
 . SHEAR FLOW  
 . SINGLE-PHASE FLOW  
 . SMALL PERTURBATION FLOW  
 . SOLIDS FLOW  
 . STEADY FLOW  
 . COUETTE FLOW  
 . HARTMANN FLOW  
 . STEAM FLOW  
 . SUBCRITICAL FLOW  
 . SUBSONIC FLOW  
 . SUPERCRITICAL FLOW  
 . SUPERSONIC FLOW  
 . TURBULENT FLOW  
 . CAVITATION FLOW  
 . SUPERCavitating FLOW  
 . TWO DIMENSIONAL FLOW  
 . COUETTE FLOW  
 . UNIFORM FLOW  
 . BLASIUS FLOW  
 . UNSTEADY FLOW  
 . OSCILLATING FLOW  
 . VISCOUS FLOW  
 . BOUNDARY LAYER FLOW  
 . REATTACHED FLOW  
 . SECONDARY FLOW  
 . SEPARATED FLOW  
 . BOUNDARY LAYER SEPARATION  
 . COUETTE FLOW  
 . KARMAN-BODEWADT FLOW  
 . STOKES FLOW  
 . WALL FLOW  
 . WEDGE FLOW  
 . ACOUSTIC STREAMING  
 . ANNULAR DUCTS  
 . BERNOULLI THEOREM  
 . BOUNDARY LAYERS  
 . CANALS  
 . CARTAN SPACE  
 . CHEMICAL ENGINEERING  
 . COAXIAL NOZZLES  
 . CONDUCTIVITY  
 . CONVECTION CURRENTS  
 . CURRENTS  
 . DIMENSIONAL ANALYSIS  
 . DIMENSIONLESS NUMBERS  
 . DRAG REDUCTION  
 . DUCT GEOMETRY  
 . EXPULSION  
 . FLOW  
 . FLOW DISTORTION  
 . FLOW EQUATIONS  
 . FLOW MEASUREMENT  
 . FLOW STABILITY  
 . FLOW THEORY  
 . FLOW VISUALIZATION  
 . FLOWMETERS  
 . FLUIDICS  
 . FLUIDS  
 . FRICTION  
 . FROUDE NUMBER  
 . GEOPHYSICAL FLUID FLOW CELLS  
 . HEAT TRANSMISSION  
 . HYDRAULICS  
 . HYDRODYNAMICS  
 . HYDROMECHANICS  
 . INJECTION  
 . LABYRINTH SEALS  
 . LEAKAGE  
 . LEWIS NUMBERS  
 . MAGNUS EFFECT  
 . MANNING THEORY  
 . MATERIALS HANDLING

RT

### FLUID FLOW-(CONT.)

MECHANICAL ENGINEERING  
 OCEAN CURRENTS  
 OCEAN SURFACE  
 PIPES (TUBES)  
 PLANETARY WAVES  
 PRESSURE GRADIENTS  
 RAYLEIGH WAVES  
 REYNOLDS NUMBER  
 SKIN FRICTION  
 STREAMS  
 SUPERSONIC BOUNDARY LAYERS  
 SURGES  
 SYRINGES  
 THERMOHYDRAULICS  
 ULTRASONIC CLEANING  
 VORTICES  
 WING FLOW METHOD TESTS

### FLUID INJECTION

GS INJECTION  
 . FLUID INJECTION  
 . . GAS INJECTION  
 . . LIQUID INJECTION  
 . . . DEEP WELL INJECTION (WASTES)  
 . . . WATER INJECTION  
 RT CHANNEL FLOW  
 FUEL INJECTION  
 INLET FLOW  
 LAMINAR MIXING  
 NOZZLE FLOW  
 SECONDARY INJECTION

### FLUID JET AMPLIFIERS

USE FLUID AMPLIFIERS  
 JET AMPLIFIERS

### FLUID JETS

GS FLUID JETS  
 . AIR JETS  
 . FREE JETS  
 . GAS JETS  
 . HYDRAULIC JETS  
 . VAPOR JETS  
 RT JET AMPLIFIERS  
 JET FLOW  
 JET MIXING FLOW  
 JET STREAMS (METEOROLOGY)  
 . JETS  
 . PLASMA JETS

### FLUID LOGIC

RT COMPUTER DESIGN  
 FLUIDIC CIRCUITS  
 FLUIDICS  
 . LOGIC  
 . LOGIC CIRCUITS

### FLUID MANAGEMENT

RT CRYOGENIC FLUID STORAGE  
 CRYOGENIC FLUIDS  
 CRYOGENIC ROCKET PROPELLANTS  
 FLUID DYNAMICS  
 FUEL CONTROL  
 REDUCED GRAVITY

### FLUID MECHANICS

GS FLUID MECHANICS  
 . FLUID DYNAMICS  
 . . COMPUTATIONAL FLUID DYNAMICS  
 . . GAS DYNAMICS  
 . . . AERODYNAMICS  
 . . . . AEROTHERMODYNAMICS  
 . . . . HYPERSONICS  
 . . . . ROTOR AERODYNAMICS  
 . . . . SUPERSONICS  
 . . . . UNSTEADY AERODYNAMICS  
 . . . . INTERACTIONAL AERODYNAMICS  
 . . . . RAREFIED GAS DYNAMICS  
 . . . . HYDRODYNAMICS  
 . . . . ELASTOHYDRODYNAMICS  
 . . . . ELECTROHYDRODYNAMICS  
 . . . . MAGNETOHYDRODYNAMICS  
 . . . . ROTONS  
 . . . . VORTEX SHEDDING  
 . . . . HYDROMECHANICS  
 . . . . HYDRODYNAMICS  
 . . . . ELASTOHYDRODYNAMICS  
 . . . . ELECTROHYDRODYNAMICS  
 . . . . MAGNETOHYDRODYNAMICS  
 . . . . HYDROSTATICS  
 . . . . MAGNETOHYDROSTATICS  
 . . . . PNEUMATICS  
 RT AEROSTATICS  
 . BLEEDING

### FLUID MECHANICS-(CONT.)

CONTINUUM MECHANICS  
 DIFFUSIVITY  
 . DYNAMICS  
 . FLAT PLATES  
 . FLOW THEORY  
 . FLUIDICS  
 . . HYDRAULICS  
 . . HYDRODYNAMIC EQUATIONS  
 . . INCOMPRESSIBILITY  
 . . KINETICS  
 . . MAXWELL FLUIDS  
 . . MECHANICS (PHYSICS)  
 . . MICROPOLAR FLUIDS  
 . . SCIENCE  
 . . STATICS  
 . . SUPERCRITICAL FLUIDS  
 . . THERMODYNAMICS

### FLUID POWER

RT COMPRESSIBLE FLUIDS  
 FLUID PRESSURE  
 FLUIDIC CIRCUITS  
 FLUIDICS  
 HYDRAULIC CONTROL  
 HYDRAULIC EQUIPMENT  
 . HYDRAULICS  
 . HYDRODYNAMICS  
 . INCOMPRESSIBLE FLUIDS  
 . PNEUMATIC CONTROL  
 . PNEUMATIC EQUIPMENT  
 . PNEUMATICS  
 . POWER  
 . PRESSURE DROP  
 . WORKING FLUIDS

### FLUID PRESSURE

GS PRESSURE  
 . FLUID PRESSURE  
 . . WATER PRESSURE  
 RT BETA FACTOR  
 FLUID POWER  
 FLUIDICS  
 . FLUIDS  
 . HYDRAULIC FLUIDS

### FLUID ROTOR GYROSCOPES

GS GYROSCOPES  
 . ROTARY GYROSCOPES  
 . . FLUID ROTOR GYROSCOPES  
 RT FLOTATION  
 GIMBALS

### FLUID SWITCHING ELEMENTS

GS CIRCUITS  
 . SWITCHING CIRCUITS  
 . . FLUID SWITCHING ELEMENTS  
 . . SWITCHES  
 . . SWITCHING CIRCUITS  
 . . . FLUID SWITCHING ELEMENTS  
 RT ACOUSTIC STREAMING  
 AUTOMATIC CONTROL VALVES  
 FLIP-FLOPS  
 FLUERICS  
 FLUIDIC CIRCUITS  
 FLUIDICS  
 HYDRAULIC EQUIPMENT  
 PNEUMATIC EQUIPMENT

### FLUID TRANSMISSION LINES

GS TRANSMISSION LINES  
 . FLUID TRANSMISSION LINES  
 RT HYDRAULIC FLUIDS  
 TRANSMISSION FLUIDS  
 WORKING FLUIDS

### FLUID TRANSPIRATION

USE TRANSPIRATION

### FLUID-SOLID INTERACTIONS

GS FLUID-SOLID INTERACTIONS  
 . GAS-SOLID INTERACTIONS  
 . . GAS-METAL INTERACTIONS  
 RT GAS-SOLID INTERFACES  
 . INTERACTIONS  
 . LIQUID-SOLID INTERFACES  
 . SURFACE REACTIONS

### FLUIDIC CIRCUITS

GS CIRCUITS  
 . FLUIDIC CIRCUITS  
 RT FLIP-FLOPS  
 FLUERICS  
 FLUID AMPLIFIERS  
 FLUID LOGIC

## FLUORINE-LIQUID OXYGEN

### FLUIDIC CIRCUITS-(CONT.)

FLUID POWER  
FLUID SWITCHING ELEMENTS  
FLUIDICS  
FLY BY TUBE CONTROL

### FLUIDICS

GS **FLUIDICS**  
FLUIDERICS  
RT AMPLIFICATION  
CONTROL  
FLUID AMPLIFIERS  
FLUID FLOW  
FLUID LOGIC  
FLUID MECHANICS  
FLUID POWER  
FLUID PRESSURE  
FLUID SWITCHING ELEMENTS  
FLUIDIC CIRCUITS  
HYDRAULIC ANALOGIES  
HYDRAULIC CONTROL  
LOGIC  
PNEUMATIC CIRCUITS  
PNEUMATIC CONTROL  
PNEUMATIC EQUIPMENT  
PNEUMATICS

### FLUIDIZED BED PROCESSORS

RT BEDS (PROCESS ENGINEERING)  
CHEMICAL REACTORS  
FLUID FILTERS  
FURNACES  
SEPARATORS

### FLUIDS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT ANISOTROPIC FLUIDS  
BINARY FLUIDS  
BODY FLUIDS  
CEREBROSPINAL FLUID  
COMPRESSIBLE FLUIDS  
CRYOGENIC FLUIDS  
FERROFLUIDS  
FLUID FLOW  
FLUID PRESSURE  
GASES  
GYROSCOPE FLUIDS  
HIGH TEMPERATURE FLUIDS  
HYDRAULIC FLUIDS  
IDEAL FLUIDS  
INCOMPRESSIBLE FLUIDS  
LIQUIDS  
MAXWELL FLUIDS  
MICROPOLAR FLUIDS  
NEWTONIAN FLUIDS  
NONEQUILIBRIUM FLOW  
NONNEWTONIAN FLUIDS  
RHEOLOGY  
ROTATING FLUIDS  
SERUMS  
SIPHONING  
SOLIDS  
SUPERCRITICAL FLUIDS  
SUPERFLUIDITY  
TRANSMISSION FLUIDS  
VISCIOUS FLUIDS  
WEIGHTLESS FLUIDS  
WORKING FLUIDS

### FLUORESCENCE

UF FLUORESCENT EMISSION  
GS EMISSION  
LIGHT EMISSION  
LUMINESCENCE  
FLUORESCENCE  
LASER INDUCED FLUORESCENCE  
PHOSPHORESCENCE  
RESONANCE FLUORESCENCE  
X RAY FLUORESCENCE  
RT ELECTROMAGNETIC ABSORPTION  
EXTINCTION  
MOSSBAUER EFFECT  
PHOSPHORS  
PHOTOLUMINESCENCE  
PLASMA RADIATION  
TRIBOLUMINESCENCE

### FLUORESCENT EMISSION

USE FLUORESCENCE

### FLUORIDES

GS HALOGEN COMPOUNDS  
FLUORINE COMPOUNDS

### FLUORIDES-(CONT.)

**FLUORIDES**  
ANTIMONY FLUORIDES  
BARIUM FLUORIDES  
BORON FLUORIDES  
CHLORINE FLUORIDES  
COMPOUND A  
CRYOLITE  
DEUTERIUM FLUORIDES  
DIFLUORIDES  
CALCIUM FLUORIDES  
FLUORSPAR  
HYDROFLUORIC ACID  
METAL FLUORIDES  
ALUMINUM FLUORIDES  
BERYLLIUM FLUORIDES  
CADMIUM FLUORIDES  
CALCIUM FLUORIDES  
CESIUM FLUORIDES  
CHROMIUM FLUORIDES  
COBALT FLUORIDES  
COPPER FLUORIDES  
LANTHANUM FLUORIDES  
LITHIUM FLUORIDES  
MAGNESIUM FLUORIDES  
NICKEL FLUORIDES  
PLUTONIUM FLUORIDES  
PROTACTINIUM FLUORIDES  
SODIUM FLUORIDES  
STRONTIUM FLUORIDES  
THORIUM FLUORIDES  
TUNGSTEN FLUORIDES  
URANIUM FLUORIDES  
ZINC FLUORIDES  
NITROGEN FLUORIDES  
NITRYL FLUORIDES  
OXYFLUORIDES  
OXYGEN FLUORIDES  
OZONE FLUORIDE  
PERCHLORYL FLUORIDES  
POLYVINYL FLUORIDE  
SULFUR FLUORIDES  
TECHNETIUM FLUORIDES  
HALIDES  
**FLUORIDES**  
ANTIMONY FLUORIDES  
BARIUM FLUORIDES  
BORON FLUORIDES  
CHLORINE FLUORIDES  
DIFLUORIDES  
CALCIUM FLUORIDES  
FLUORSPAR  
HYDROFLUORIC ACID  
NITROGEN FLUORIDES  
OXYFLUORIDES  
OXYGEN FLUORIDES  
OZONE FLUORIDE  
PERCHLORYL FLUORIDES  
SULFUR FLUORIDES  
TECHNETIUM FLUORIDES  
RT EXCIMER LASERS

### FLUORINATION

GS CHEMICAL REACTIONS  
HALOGENATION  
RT **FLUORINATION**  
DEFLUORINATION

### FLUORINE

GS CHEMICAL ELEMENTS  
HALOGENS  
**FLUORINE**  
FLUORINE ISOTOPES  
RT FLOX  
OXIDIZERS

### FLUORINE COMPOUNDS

GS HALOGEN COMPOUNDS  
**FLUORINE COMPOUNDS**  
FLUORIDES  
ANTIMONY FLUORIDES  
BARIUM FLUORIDES  
BORON FLUORIDES  
CHLORINE FLUORIDES  
COMPOUND A  
CRYOLITE  
DEUTERIUM FLUORIDES  
DIFLUORIDES  
CALCIUM FLUORIDES  
FLUORSPAR  
HYDROFLUORIC ACID  
METAL FLUORIDES  
ALUMINUM FLUORIDES  
BERYLLIUM FLUORIDES  
CADMIUM FLUORIDES

### FLUORINE COMPOUNDS-(CONT.)

CALCIUM FLUORIDES  
CESIUM FLUORIDES  
CHROMIUM FLUORIDES  
COBALT FLUORIDES  
COPPER FLUORIDES  
LANTHANUM FLUORIDES  
LITHIUM FLUORIDES  
MAGNESIUM FLUORIDES  
NICKEL FLUORIDES  
PLUTONIUM FLUORIDES  
PROTACTINIUM FLUORIDES  
SODIUM FLUORIDES  
STRONTIUM FLUORIDES  
THORIUM FLUORIDES  
TUNGSTEN FLUORIDES  
URANIUM FLUORIDES  
ZINC FLUORIDES  
NITROGEN FLUORIDES  
NITRYL FLUORIDES  
OXYFLUORIDES  
OXYGEN FLUORIDES  
OZONE FLUORIDE  
PERCHLORYL FLUORIDES  
POLYVINYL FLUORIDE  
SULFUR FLUORIDES  
TECHNETIUM FLUORIDES  
FLUORITE  
FLUORO COMPOUNDS  
CRYOLITE  
DIFLUORO COMPOUNDS  
PERFLUOROALKANE  
POLYTETRAFLUOROETHYLENE  
TEFLON (TRADEMARK)  
FLUORINE ORGANIC COMPOUNDS  
FLUOROAMINES  
NITROFLUORAMINES  
TRIFLUOROAMINE OXIDE  
FLUOROCARBONS  
FLUOROHYDROCARBONS  
CARBON TETRAFLUORIDE  
CHLOROFUOROMETHANE  
KEL-F  
PERFLUOROALKANE  
PERFLUOROGUANIDINE  
FLUOROSILICATES  
TETRAFLUOROETHYLENE  
RT **CHEMICAL COMPOUNDS**  
HALOCARBONS

### FLUORINE ISOTOPES

GS CHEMICAL ELEMENTS  
HALOGENS  
FLUORINE  
**FLUORINE ISOTOPES**  
NUCLIDES  
ISOTOPES  
**FLUORINE ISOTOPES**

### FLUORINE ORGANIC COMPOUNDS

UF ORGANIC FLUORINE COMPOUNDS  
GS HALOGEN COMPOUNDS  
FLUORINE COMPOUNDS  
FLUORO COMPOUNDS  
**FLUORINE ORGANIC COMPOUNDS**  
FLUOROAMINES  
NITROFLUORAMINES  
TRIFLUOROAMINE OXIDE  
FLUOROCARBONS  
FLUOROHYDROCARBONS  
CARBON TETRAFLUORIDE  
CHLOROFUOROMETHANE  
KEL-F  
PERFLUOROALKANE  
PERFLUOROGUANIDINE  
ORGANIC COMPOUNDS  
**FLUORINE ORGANIC COMPOUNDS**  
FLUOROAMINES  
NITROFLUORAMINES  
TRIFLUOROAMINE OXIDE  
FLUOROCARBONS  
FLUOROHYDROCARBONS  
CARBON TETRAFLUORIDE  
CHLOROFUOROMETHANE  
FLUOROPOLYMERS  
POLYVINYL FLUORIDE  
KEL-F  
PERFLUOROALKANE  
PERFLUOROGUANIDINE  
RT **CHEMICAL COMPOUNDS**

### FLUORINE-LIQUID OXYGEN

USE FLOX

## FLUORITE

### FLUORITE

- GS CALCIUM COMPOUNDS
  - . **FLUORITE**
- HALOGEN COMPOUNDS
  - . FLUORINE COMPOUNDS
  - . **FLUORITE**
- MINERALS
  - . **FLUORITE**

### FLUORO COMPOUNDS

- GS HALOGEN COMPOUNDS
  - . FLUORINE COMPOUNDS
  - . **FLUORO COMPOUNDS**
  - . . . CRYOLITE
  - . . . DIFLUORO COMPOUNDS
  - . . . PERFLUOROALKANE
  - . . . POLYTETRAFLUOROETHYLENE
  - . . . TEFLON (TRADEMARK)
  - . . . FLUORINE ORGANIC COMPOUNDS
  - . . . FLUOROAMINES
    - . . . . NITROFLUORAMINES
    - . . . . TRIFLUOROAMINE OXIDE
  - . . . FLUOROCARBONS
    - . . . . FLUOROHYDROCARBONS
    - . . . . CARBON TETRAFLUORIDE
    - . . . . CHLOROFLUOROMETHANE
    - . . . . KEL-F
    - . . . . PERFLUOROALKANE
    - . . . . PERFLUOROGUANIDINE
  - . . . FLUROSILICATES
  - . . . . TETRAFLUOROHYDRAZINE
- RT ∞ CHEMICAL COMPOUNDS
  - . HALOCARBONS

### FLUOROAMINES

- GS AMINES
  - . **FLUOROAMINES**
  - . . . NITROFLUORAMINES
  - . . . TRIFLUOROAMINE OXIDE
- HALOGEN COMPOUNDS
  - . FLUORINE COMPOUNDS
  - . FLUORO COMPOUNDS
  - . . . FLUORINE ORGANIC COMPOUNDS
  - . . . **FLUOROAMINES**
  - . . . . NITROFLUORAMINES
  - . . . . TRIFLUOROAMINE OXIDE
- ORGANIC COMPOUNDS
  - . FLUORINE ORGANIC COMPOUNDS
  - . **FLUOROAMINES**
  - . . . NITROFLUORAMINES
  - . . . TRIFLUOROAMINE OXIDE

### FLUOROCARBONS

- GS CARBON COMPOUNDS
  - . HALOCARBONS
  - . **FLUOROCARBONS**
- HALOGEN COMPOUNDS
  - . FLUORINE COMPOUNDS
  - . FLUORO COMPOUNDS
  - . . . FLUORINE ORGANIC COMPOUNDS
  - . . . **FLUOROCARBONS**
  - . . . HALOCARBONS
  - . . . **FLUOROCARBONS**
- ORGANIC COMPOUNDS
  - . FLUORINE ORGANIC COMPOUNDS
  - . **FLUOROCARBONS**
- RT FLUOROHYDROCARBONS
  - . FLUOROPOLYMERS

### FLUOROHYDROCARBONS

- GS HALOGEN COMPOUNDS
  - . FLUORINE COMPOUNDS
  - . FLUORO COMPOUNDS
  - . . . FLUORINE ORGANIC COMPOUNDS
  - . . . **FLUOROHYDROCARBONS**
  - . . . . CARBON TETRAFLUORIDE
  - . . . . CHLOROFLUOROMETHANE
- ORGANIC COMPOUNDS
  - . FLUORINE ORGANIC COMPOUNDS
  - . **FLUOROHYDROCARBONS**
  - . . . CARBON TETRAFLUORIDE
  - . . . CHLOROFLUOROMETHANE
- RT FLUOROCARBONS
  - . FREON
  - . REFRIGERANTS
  - . VITON RUBBER (TRADEMARK)

### FLUOROMICA

- USE FLUROSILICATES
  - . MICA

### FLUOROPHLOGOPITE

- GS MINERALS
  - . MICA
  - . **FLUOROPHLOGOPITE**

### FLUOROPLASTICS

- USE FLUOROPOLYMERS

### FLUOROPOLYMERS

- UF FLUOROPLASTICS
- GS ORGANIC COMPOUNDS
  - . FLUORINE ORGANIC COMPOUNDS
  - . **FLUOROPOLYMERS**
  - . . . POLYVINYL FLUORIDE
- RT FLUOROCARBONS
  - . PLASTICS
  - . ∞ POLYMERS

### FLUOROSCOPY

- RT MEDICAL EQUIPMENT
  - . X RAY ANALYSIS

### FLUROSILICATES

- UF FLUOROMICA
- GS HALOGEN COMPOUNDS
  - . FLUORINE COMPOUNDS
  - . FLUORO COMPOUNDS
  - . . . **FLUROSILICATES**
  - . . . SILICON COMPOUNDS
  - . . . SILICATES
  - . . . **FLUROSILICATES**
- RT MINERALS

### FLUORSAPAR

- GS CALCIUM COMPOUNDS
  - . CALCIUM FLUORIDES
  - . . . **FLUORSAPAR**
- HALOGEN COMPOUNDS
  - . FLUORINE COMPOUNDS
  - . FLUORIDES
  - . . . DIFLUORIDES
  - . . . . CALCIUM FLUORIDES
  - . . . . **FLUORSAPAR**
  - . . . HALIDES
  - . . . FLUORIDES
  - . . . DIFLUORIDES
  - . . . . CALCIUM FLUORIDES
  - . . . . **FLUORSAPAR**
- MINERALS
  - . **FLUORSAPAR**

### FLUSHING

- RT CLEANING
  - . EJECTION
  - . ELUTION
  - . EXPELLANTS
  - . LEACHING
  - . PURGING
  - . PURIFICATION
- ∞ SEPARATION
  - . VENTING
  - . WASHING
  - . WASTE WATER

### FLUTING

- USE GROOVING

### FLUTTER

- UF AERODYNAMIC BUZZ
  - . AEROMAGNETO FLUTTER
- GS VIBRATION
  - . STRUCTURAL VIBRATION
  - . **FLUTTER**
  - . . . PANEL FLUTTER
  - . . . SUBSONIC FLUTTER
  - . . . SUPERSONIC FLUTTER
  - . . . TRANSONIC FLUTTER
- RT AERODYNAMIC NOISE
  - . AERODYNAMIC STABILITY
  - . AEROELASTIC RESEARCH WINGS
  - . AEROELASTICITY
  - . AIRFOIL OSCILLATIONS
  - . BENDING
  - . BENDING VIBRATION
  - . BOUNDARY LAYER CONTROL
  - . BUFFETING
  - . COMPRESSIBILITY EFFECTS
  - . DAST PROGRAM
  - . FLAPPING
  - . FLIGHT CHARACTERISTICS
  - . FORCED VIBRATION
  - . HOVERING
  - . HYDROFOIL OSCILLATIONS
  - . INFLUENCE COEFFICIENT
  - . MISSILE VIBRATION
  - . RANDOM VIBRATION
  - . RESONANT VIBRATION
  - . SELF INDUCED VIBRATION
  - . SHAKING
  - . SPACECRAFT MOTION

### FLUTTER-(CONT.)

- TURBULENCE EFFECTS
- UNDAMPED OSCILLATIONS
- UNSTEADY AERODYNAMICS
- VIBRATION SIMULATORS
- VIBRATION TESTS
- VIBRATIONAL STRESS
- WING OSCILLATIONS

### FLUTTER ANALYSIS

- GS STRUCTURAL ANALYSIS
  - . **FLUTTER ANALYSIS**
- RT AEROELASTIC RESEARCH WINGS
  - . AIRFOIL OSCILLATIONS
  - . STRUCTURAL VIBRATION
  - . UNSTEADY AERODYNAMICS

### ∞ FLUX

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT FLUX (RATE)
  - . FLUX DENSITY
  - . FLUX QUANTIZATION
  - . FLUXES
  - . LEVEL (QUANTITY)

### FLUX (RATE PER UNIT AREA)

- USE FLUX DENSITY

### FLUX (RATE)

- SN (LIMITED TO THE TOTAL EMANATION OF ENERGY, MATERIAL OR PARTICLES FROM A SINGLE SOURCE PER UNIT TIME--SEE FLUX DENSITY FOR ENERGY, MATERIAL OR PARTICLE RATE PER UNIT AREA)
- UF ELECTRON FLUX
  - . NEUTRON FLUX
  - . PARTICLE FLUX
- GS RATES (PER TIME)
  - . **FLUX (RATE)**
  - . . . HEAT FLUX
  - . . . MAGNETIC FLUX
  - . . . SOLAR FLUX
- RT BETA PARTICLES
  - . BRIGHTNESS
  - . CORPUSCULAR RADIATION
  - . DOSIMETERS
  - . ELECTROMAGNETIC RADIATION
  - . EMITTANCE
- ∞ ENERGY
  - . FIELD THEORY (PHYSICS)
  - . FLUX DENSITY
  - . GAMMA RAYS
- ∞ INTENSITY
  - . LEVEL (QUANTITY)
  - . LUMINOUS INTENSITY
  - . MAGNETIC CIRCUITS
  - . MAGNETIC INDUCTION
  - . MAGNETOSTATICS
  - . PARTICLE BEAMS
  - . PARTICLE DIFFUSION
- ∞ POWER
  - . RADIANT FLUX DENSITY
- ∞ RADIATION
  - . STEFAN-BOLTZMANN LAW

### FLUX DENSITY

- SN (LIMITED TO ENERGY, MATERIAL OR PARTICLE RATE PER UNIT AREA, THE QUANTITY USUALLY MEASURED--SEE FLUX (RATE) FOR TOTAL EMANATION FROM A SINGLE SOURCE PER UNIT TIME)
- UF DENSITY (RATE/AREA)
  - . ENERGY DENSITY
  - . FLUX (RATE PER UNIT AREA)
  - . FLUX MAPPING
- GS RATES (PER TIME)
  - . **FLUX DENSITY**
  - . . . CURRENT DENSITY
  - . . . PHOTON DENSITY
  - . . . RADIANT FLUX DENSITY
  - . . . IRRADIANCE
  - . . . . ILLUMINANCE
  - . . . . SOLAR CONSTANT
  - . . . LUMENS
  - . . . LUMINOUS INTENSITY
  - . . . . ILLUMINANCE
  - . . . . LUMINANCE
  - . . . . PARTICLE FLUX DENSITY
  - . . . . ELECTRON FLUX DENSITY
  - . . . . NEUTRON FLUX DENSITY
  - . . . . PROTON FLUX DENSITY

**FLUX DENSITY-(CONT.)**

... RADIANCE  
... RADIANCY  
... SOLAR FLUX DENSITY  
... SOLAR CONSTANT  
... SOUND INTENSITY  
... ZERO SOUND  
RT ALPHA PARTICLES  
ANGULAR DISTRIBUTION  
ATOM CONCENTRATION  
∞ DENSITY  
DOSIMETERS  
ELECTROMAGNETIC RADIATION  
∞ ENERGY  
ENERGY DISTRIBUTION  
FIELD INTENSITY METERS  
FIELD STRENGTH  
FIELD THEORY (PHYSICS)  
FLUX (RATE)  
GAMMA RAYS  
HEAT FLUX  
∞ INTENSITY  
IRRADIATION  
LEVEL (QUANTITY)  
LOUDNESS  
MASS DISTRIBUTION  
METEOROID CONCENTRATION  
ONSAGER PHENOMENOLOGICAL  
COEFFICIENT  
∞ POWER  
POWER SPECTRA  
PROTONS  
∞ RADIATION  
RADIATION DISTRIBUTION  
RADIATION HAZARDS  
REMANENCE  
SCATTERING FUNCTIONS  
SOLAR MAXIMUM MISSION  
SOUND PRESSURE  
SPECTRA  
X RAY DENSITY MEASUREMENT

**FLUX MAPPING**

USE FLUX DENSITY  
MAPPING

**FLUX PINNING**

GS PINNING  
... FLUX PINNING  
RT LINES OF FORCE  
MAGNETIC FLUX  
SUPERCONDUCTIVITY  
TRAPPED MAGNETIC FIELDS  
TRAPPING

**FLUX PUMPS**

RT MAGNETIC COILS  
MAGNETIC FIELDS  
SUPERCONDUCTING MAGNETS  
SUPERCONDUCTIVITY

**FLUX QUANTIZATION**

RT ∞ FLUX  
MAGNETIC FLUX  
SUPERCONDUCTORS

**FLUX VECTOR SPLITTING**

GS ANALYSIS (MATHEMATICS)  
... NUMERICAL ANALYSIS  
... FLUX VECTOR SPLITTING  
RT COMPUTATION  
COMPUTATIONAL FLUID DYNAMICS  
EIGENVALUES  
FINITE DIFFERENCE THEORY  
FLUID DYNAMICS  
PANEL METHOD (FLUID DYNAMICS)  
VECTOR ANALYSIS  
VECTORS (MATHEMATICS)

**FLUXES**

RT BRAZING  
∞ FLUX  
LIMESTONE  
SOLDERING  
WELDING

**FLUXMETERS**

USE MAGNETIC MEASUREMENT  
MEASURING INSTRUMENTS

**FLY ASH**

GS ASHES  
... FLY ASH  
RT AIR POLLUTION  
COAL

**FLY ASH-(CONT.)**

COMBUSTION PRODUCTS  
ELECTRIC POWER PLANTS  
ELECTROSTATIC PRECIPITATORS  
PARTICULATES  
POLLUTION CONTROL

**FLY BY TUBE CONTROL**

GS FLIGHT CONTROL  
... FLY BY TUBE CONTROL  
RT AIRCRAFT CONTROL  
∞ CONTROL  
FLUIDIC CIRCUITS  
HYDRAULIC EQUIPMENT  
SERVOAMPLIFIERS

**FLY BY WIRE CONTROL**

UF ELECTRIC AIRCRAFT  
GS FLIGHT CONTROL  
... FLY BY WIRE CONTROL  
RT AIRCRAFT CONTROL  
∞ CONTROL  
GROUND BASED CONTROL  
SPACECRAFT CONTROL

**FLYBY MISSIONS**

GS SPACE MISSIONS  
... FLYBY MISSIONS  
... ASTEROID MISSIONS  
... GIOTTO MISSION  
... GRAND TOURS  
... MARINER JUPITER-SATURN FLYBY  
... MARINER JUPITER-URANUS FLYBY  
... VOYAGER 1977 MISSION  
... MARINER VENUS-MERCURY 1973  
... MARINER-MERCURY 1973  
RT GALILEO PROJECT  
GALILEO SPACECRAFT  
INTERPLANETARY FLIGHT  
LONG DURATION SPACE FLIGHT  
LUNAR FLIGHT  
MARINER MARK 2 SPACECRAFT  
MARINER PROGRAM  
∞ MISSIONS  
OUTER PLANETS EXPLORERS  
SPACE FLIGHT  
SWINGBY TECHNIQUE  
TOPS (SPACECRAFT)  
VEGA PROJECT  
VOYAGER 1 SPACECRAFT  
VOYAGER 2 SPACECRAFT

**FLYING**

USE FLIGHT

**FLYING BEDSTEAD AIRCRAFT**

USE FLYING PLATFORMS

**FLYING CRANE HELICOPTER**

USE H-17 HELICOPTER

**FLYING EJECTION SEATS**

GS ONBOARD EQUIPMENT  
... AIRCRAFT EQUIPMENT  
... EJECTION SEATS  
... FLYING EJECTION SEATS  
SAFETY DEVICES  
... EJECTION SEATS  
... FLYING EJECTION SEATS  
SEATS  
... EJECTION SEATS  
... FLYING EJECTION SEATS  
RT ABORT APPARATUS  
AIRCRAFT SAFETY  
BAILOUT  
COCKPITS  
EJECTORS  
ESCAPE CAPSULES  
FLIGHT SAFETY  
JET ENGINES  
PROTECTION

**FLYING PERSONNEL**

GS PERSONNEL  
... FLYING PERSONNEL  
... ASTRONAUTS  
... ORBITAL WORKERS  
... COSMONAUTS  
... FLIGHT CREWS  
... SPACECREWS  
... PILOTS (PERSONNEL)  
... AIRCRAFT PILOTS  
... TEST PILOTS  
RT FLIGHT FITNESS  
FLIGHT TRAINING

**FLYING PERSONNEL-(CONT.)**  
NAVIGATORS

**FLYING PLATFORM STABILITY**

USE AERODYNAMIC STABILITY  
FLYING PLATFORMS

**FLYING PLATFORMS**

UF FLYING BEDSTEAD AIRCRAFT  
FLYING PLATFORM STABILITY  
GS V/STOL AIRCRAFT  
... VERTICAL TAKEOFF AIRCRAFT  
... FLYING PLATFORMS  
RT ∞ AIRCRAFT  
GROUND EFFECT MACHINES  
JET AIRCRAFT  
OBSERVATION AIRCRAFT  
∞ PLATFORMS  
RECONNAISSANCE AIRCRAFT  
RESEARCH AIRCRAFT  
∞ SUBSONIC AIRCRAFT  
VZ-8 AIRCRAFT

**FLYING QUALITIES**

USE FLIGHT CHARACTERISTICS

**FLYING SPOT SCANNERS**

GS OPTICAL EQUIPMENT  
... OPTICAL SCANNERS  
... FLYING SPOT SCANNERS  
SCANNERS  
... OPTICAL SCANNERS  
... FLYING SPOT SCANNERS  
RT DISPLAY DEVICES  
ELECTRON GUNS  
ELECTRON OPTICS  
IMAGE TUBES  
OSCILLOSCOPES  
PHOTOTUBES  
PICTURE TUBES  
TELEVISION EQUIPMENT  
VIDEO EQUIPMENT

**FLYING WING AIRCRAFT**

USE TAILLESS AIRCRAFT

**FLYWHEELS**

GS ROTATING BODIES  
... ROTORS  
... FLYWHEELS  
WHEELS  
... FLYWHEELS  
RT BALANCING  
COUNTER-ROTATING WHEELS  
ENERGY STORAGE  
ENGINE PARTS  
MECHANICAL ENGINEERING  
REACTION WHEELS

**FM/PM (MODULATION)**

GS CODING  
... SIGNAL ENCODING  
... FREQUENCY MODULATION  
... FM/PM (MODULATION)  
... PHASE MODULATION  
... FM/PM (MODULATION)  
MODULATION  
... FREQUENCY MODULATION  
... FM/PM (MODULATION)  
... PHASE MODULATION  
... FM/PM (MODULATION)  
RT DATA TRANSMISSION

**FOAMING**

RT BENEFICIATION  
FLOTATION  
FOAMS  
METAL FOAMS  
∞ SEPARATION  
SURFACE PROPERTIES  
SWIRLING  
WETTING

**FOAMS**

UF CELLULAR MATERIALS (NON  
BIOLOGICAL)  
GS FOAMS  
... METAL FOAMS  
RT BUBBLES  
COLLOIDS  
EXPLOSION SUPPRESSION  
FIRE EXTINGUISHERS  
FIRE FIGHTING  
FOAMING

## FOCAL PLANE ARRAYS

### FOAMS-(CONT.)

LOW DENSITY MATERIALS  
 ∞ MATERIALS  
 POLYURETHANE FOAM  
 STYROFOAM (TRADEMARK)

### FOCAL PLANE ARRAYS

USE FOCAL PLANE DEVICES

### FOCAL PLANE DEVICES

UF FOCAL PLANE ARRAYS  
 RT ARRAYS  
 CHARGE COUPLED DEVICES  
 INFRARED DETECTORS  
 LINEAR ARRAYS  
 MOSAICS  
 PHOTODIODES

### FOCI

GS FOCI  
 . PLASMA FOCUS  
 RT ∞ CENTERS  
 FOCUSING  
 GEOMETRY  
 LOCI  
 ∞ OPTICS  
 POINTS (MATHEMATICS)  
 RESOLUTION

### FOCUSING

GS FOCUSING  
 . DEFOCUSING  
 . PREFOCUSING  
 . SELF FOCUSING  
 RT ACCOMMODATION  
 ADJUSTING  
 ASTIGMATISM  
 CAMERAS  
 DISTANCE  
 FOCI  
 FRESNEL LENSES  
 GEOMETRICAL OPTICS  
 GRAVITATIONAL LENSES  
 IMAGE CONTRAST  
 IMAGE ENHANCEMENT  
 LASER CUTTING  
 LASER DRILLING  
 LENSES  
 PANORAMIC CAMERAS  
 SOLAR REFLECTORS  
 STEERING  
 STIGMATISM  
 VIGNETTING

### FOETUSES

USE FETUSES

### FOG

GS MIXTURES  
 . DISPERSIONS  
 . COLLOIDS  
 . . . AEROSOLS  
 . . . . FOG  
 . . LIQUID-GAS MIXTURES  
 . . . AEROSOLS  
 . . . . FOG  
 . PARTICLES  
 . AEROSOLS  
 . . FOG  
 RT ANVIL CLOUDS  
 AVIATION METEOROLOGY  
 CIRROCUMULUS CLOUDS  
 CIRROSTRATUS CLOUDS  
 CLOUDS (METEOROLOGY)  
 DROP SIZE  
 HAZE  
 HAZE DETECTION  
 MIST  
 PRECIPITATION (METEOROLOGY)  
 SMOG  
 SMOKE  
 STEAM  
 STRATUS CLOUDS  
 VISIBILITY

### FOG DISPERSAL

GS WEATHER MODIFICATION  
 . FOG DISPERSAL  
 RT AEROSOLS  
 CLIMATOLOGY  
 CLOUD PHYSICS  
 CLOUDS (METEOROLOGY)  
 DISPERSING  
 DISPERSIONS  
 MIST

### FOG DISPERSAL-(CONT.)

PRECIPITATION (METEOROLOGY)

### FOIL BEARINGS

GS BEARINGS  
 . FOIL BEARINGS  
 RT GAS BEARINGS  
 JOURNAL BEARINGS

### ∞ FOILS

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT AIRFOILS  
 FOILS (MATERIALS)  
 HYDROFOILS  
 MULTILAYER INSULATION

### FOILS (MATERIALS)

GS FOILS (MATERIALS)  
 . METAL FOILS  
 RT AIRFOILS  
 ∞ FOILS  
 HYDROFOILS  
 ∞ MATERIALS  
 MULTILAYER INSULATION  
 THIN PLATES

### FOKKER AIRCRAFT

GS FOKKER AIRCRAFT  
 . F-27 AIRCRAFT  
 . F-28 TRANSPORT AIRCRAFT  
 RT ∞ AIRCRAFT

### FOKKER BOND TESTERS

USE ADHESION TESTS

### FOKKER F 27 AIRCRAFT

USE F-27 AIRCRAFT

### FOKKER F 28 AIRCRAFT

USE F-28 TRANSPORT AIRCRAFT

### FOKKER FRIENDSHIP AIRCRAFT

USE F-27 AIRCRAFT

### FOKKER-PLANCK EQUATION

GS ANALYSIS (MATHEMATICS)  
 . REAL VARIABLES  
 . . DIFFERENTIAL EQUATIONS  
 . . . PARTIAL DIFFERENTIAL EQUATIONS  
 . . . . FOKKER-PLANCK EQUATION  
 RT BOLTZMANN TRANSPORT EQUATION  
 BROWNIAN MOVEMENTS  
 DENSITY DISTRIBUTION  
 DIFFUSION THEORY  
 ∞ EQUATIONS  
 IONIZED GASES  
 STOCHASTIC PROCESSES

### FOLDING

UF CRIMPING  
 RT BENDING  
 BINDING  
 CURL (MATERIALS)  
 DISTORTION  
 FLEXING

### FOLDING FIN AIRCRAFT ROCKET VEHICLE

UF FFAR ROCKET VEHICLE  
 GS ROCKET VEHICLES  
 . FOLDING FIN AIRCRAFT ROCKET  
 VEHICLE  
 RT ∞ AIRCRAFT  
 SOLID PROPELLANT ROCKET ENGINES

### FOLDING STRUCTURES

UF ROGALLO WINGS  
 TELESCOPING STRUCTURES  
 GS FOLDING STRUCTURES  
 . SAILWINGS  
 RT ANTENNAS  
 BALLOONS  
 BALLUTES  
 EXPANDABLE STRUCTURES  
 FURLABLE ANTENNAS  
 INFLATABLE STRUCTURES  
 PADDLES  
 PARACHUTES  
 PARAGLIDERS  
 PARAVULCOONS  
 PARAWINGS  
 ROTARY WINGS  
 SPACE ERECTABLE STRUCTURES

### FOLDING STRUCTURES-(CONT.)

SPACECRAFT STRUCTURES  
 ∞ STRUCTURES  
 VARIABLE GEOMETRY STRUCTURES  
 VARIABLE SWEEP WINGS

### FOLDS (GEOLOGY)

UF NAPLES  
 RT EARTH CRUST  
 FISSURES (GEOLOGY)  
 GEOLOGICAL FAULTS  
 GREAT BASIN (US)  
 ∞ LAYERS  
 OUTCROPS  
 ROCKS  
 SEAMOUNTS  
 STRATA  
 STRATIFICATION

### FOLIAGE

RT BROWN WAVE EFFECT  
 CANOPIES (VEGETATION)  
 DECIDUOUS TREES  
 DEFOLIANTS  
 GREEN WAVE EFFECT  
 HERBICIDES  
 LEAVES  
 LOCUSTS  
 PLANTS (BOTANY)  
 TIMBER VIGOR

### FOLIC ACID

UF VITAMIN M  
 GS ACIDS  
 . AMINO ACIDS  
 . . FOLIC ACID  
 . CARBOXYLIC ACIDS  
 . . FOLIC ACID  
 . NITROGEN COMPOUNDS  
 . FOLIC ACID  
 . ORGANIC COMPOUNDS  
 . AMINO ACIDS  
 . . FOLIC ACID  
 . CARBOXYLIC ACIDS  
 . . FOLIC ACID  
 . CYCLIC COMPOUNDS  
 . . HETEROCYCLIC COMPOUNDS  
 . . . FOLIC ACID  
 VITAMINS  
 . FOLIC ACID

### ∞ FOOD

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT ALFALFA  
 BARLEY  
 BEVERAGES  
 BROTHS  
 CALORIC REQUIREMENTS  
 CANNING  
 CARBOHYDRATES  
 CITRUS TREES  
 CONSUMABLES (SPACECREW SUPPLIES)  
 CORN  
 DECONTAMINATION  
 DEHYDRATED FOOD  
 DIETS  
 DIGESTING  
 DISTRIBUTING  
 EARTH RESOURCES  
 EATING  
 EGGS  
 FATS  
 FISHES  
 FLOUR (FOOD)  
 FOOD CHAIN  
 FOOD PRODUCTION (IN SPACE)  
 FROZEN FOODS  
 FRUITS  
 GELATINS  
 HAY  
 LEGUMINOUS PLANTS  
 MILK  
 MILLET  
 NUTRITION  
 OATS  
 ORCHARDS  
 PEPPERS  
 POTATOES  
 PRESERVING  
 PROTEINS  
 PROVISIONING  
 RATIONS  
 SERVICES

**FOOD-(CONT.)**

SOYBEANS  
SPACE FLIGHT FEEDING  
SPACE RATIONS  
SPINACH  
STARCHES  
SUGAR CANE  
SUGARS  
SYNTHETIC FOOD  
VEGETABLES  
VINEYARDS  
VITAMINS  
YEAST

**FOOD CHAIN**

RT ANIMALS  
ECOSYSTEMS  
∞ FOOD  
PLANTS (BOTANY)

**FOOD INTAKE**

RT FASTING  
SPACE FLIGHT FEEDING  
SYNTHETIC FOOD

**FOOD PROCESSING**

GS **FOOD PROCESSING**  
. CANNING  
. PRESERVING  
RT DEHYDRATED FOOD  
FROZEN FOODS  
∞ PROCESSING

**FOOD PRODUCTION (IN SPACE)**

RT CLOSED ECOLOGICAL SYSTEMS  
CONSUMABLES (SPACECREW SUPPLIES)  
∞ FOOD  
∞ PRODUCTION  
SPACE FLIGHT FEEDING  
SPACE RATIONS

**FOOTPRINTS**

RT AIRCRAFT NOISE  
ANTENNA RADIATION PATTERNS  
MATHEMATICAL MODELS

**FORBIDDEN BANDS**

GS ENERGY BANDS  
. **FORBIDDEN BANDS**  
RT BAND STRUCTURE OF SOLIDS  
∞ BANDS  
ELECTRON ENERGY  
FREE ELECTRONS  
LATTICE VIBRATIONS  
WAVE EQUATIONS

**FORBIDDEN TRANSITIONS**

RT ELECTRON TRANSITIONS  
FRANCK-CONDON PRINCIPLE  
QUANTUM THEORY  
SELECTION RULES (NUCLEAR PHYSICS)  
∞ SOLID STATE PHYSICS  
∞ TRANSITION  
WAVE FUNCTIONS

**FORBUSH DECREASES**

UF FORBUSH EFFECT  
RT COSMIC RAYS  
∞ EFFECTS  
MAGNETIC STORMS  
SOLAR FLARES  
SOLAR FURNACES  
SOLAR STORMS

**FORBUSH EFFECT**

USE FORBUSH DECREASES

**∞ FORCE**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
UF REPULSION  
RT ACCELERATION (PHYSICS)  
AERODYNAMIC FORCES  
ATTRACTION  
CENTRIFUGAL FORCE  
CENTRIPETAL FORCE  
ELECTRIC FIELD STRENGTH  
HIGH IMPULSE  
INERTIA  
KINETICS  
LINES OF FORCE  
LOADS (FORCES)  
LORENTZ FORCE

**FORCE-(CONT.)**

NEWTON  
NONCONSERVATIVE FORCES  
NULL ZONES  
PONDEROMOTIVE FORCES  
PRESSURE  
PULLING  
PUSHING  
THRUST  
THRUST MEASUREMENT  
TORQUE  
TORSION  
VAN DER WAAL FORCES  
WEIGHT (MASS)  
ZERO FORCE CURVES

**FORCE DISTRIBUTION**

UF LIFT DISTRIBUTION  
NORMAL FORCE DISTRIBUTION  
GS DISTRIBUTION (PROPERTY)  
. **FORCE DISTRIBUTION**  
RT AERODYNAMIC COEFFICIENTS  
AERODYNAMIC LOADS  
ANGULAR DISTRIBUTION  
CHARGE DISTRIBUTION  
ENERGY DISTRIBUTION  
INFLUENCE COEFFICIENT  
LIFT DRAG RATIO  
LOADS (FORCES)  
MASS DISTRIBUTION  
MOMENT DISTRIBUTION  
SCALE EFFECT  
STRESS CONCENTRATION  
STRESS DISTRIBUTION  
STRESS INTENSITY FACTORS  
SWEEP EFFECT  
THRUST DISTRIBUTION  
WING LOADING

**FORCE FIELDS**

USE FIELD THEORY (PHYSICS)

**FORCE VECTOR RECORDERS**

GS MEASURING INSTRUMENTS  
. **FORCE VECTOR RECORDERS**  
RECORDING INSTRUMENTS  
. **FORCE VECTOR RECORDERS**  
RT ∞ INSTRUMENTS

**FORCE-FREE MAGNETIC FIELDS**

GS MAGNETIC FIELDS  
. **FORCE-FREE MAGNETIC FIELDS**  
RT MAGNETIC FIELD CONFIGURATIONS  
MAGNETIC FLUX  
MAGNETOHYDRODYNAMIC STABILITY  
SOLAR FLARES  
SOLAR MAGNETIC FIELD

**FORCED CONVECTION**

GS CONVECTION  
. **FORCED CONVECTION**  
RT BLOWING  
CONVECTIVE HEAT TRANSFER  
FREE CONVECTION  
HEAT TRANSFER  
LAMINAR FLOW  
PRANDTL NUMBER  
RAYLEIGH-BENARD CONVECTION  
STANTON NUMBER

**FORCED OSCILLATION**

USE FORCED VIBRATION

**FORCED VIBRATION**

UF FORCED OSCILLATION  
FORCED VIBRATORY MOTION  
EQUATIONS  
GS VIBRATION  
. **FORCED VIBRATION**  
RT FLUTTER  
FREE VIBRATION  
RANDOM VIBRATION  
SELF EXCITATION  
SELF INDUCED VIBRATION

**FORCED VIBRATORY MOTION EQUATIONS**

USE EQUATIONS  
FORCED VIBRATION

**FOREARM**

GS ANATOMY  
. LIMBS (ANATOMY)  
. ARM (ANATOMY)  
. **FOREARM**

**FOREARM-(CONT.)**

APPENDAGES  
. ARM (ANATOMY)  
. **FOREARM**

**FOREBODIES**

GS **FOREBODIES**  
. NOSES (FOREBODIES)  
. NOSE CONES  
. ABLATIVE NOSE CONES  
. ROCKET NOSE CONES  
RT AFTERBODIES  
AIRCRAFT STRUCTURES  
BLUFF BODIES  
BLUNT BODIES  
BLUNT LEADING EDGES  
∞ BOWS  
CENTERBODIES  
CYLINDRICAL BODIES  
HAMMERHEAD CONFIGURATION  
LEADING EDGES  
SHARP LEADING EDGES

**FORECASTING**

UF FORECASTS  
GS **FORECASTING**  
. PERFORMANCE PREDICTION  
. PREDICTION ANALYSIS TECHNIQUES  
. TECHNOLOGICAL FORECASTING  
. DELPHI METHOD (FORECASTING)  
. PATTERN METHOD (FORECASTING)  
. PROBE METHOD (FORECASTING)  
. PROFILE METHOD (FORECASTING)  
. WEATHER FORECASTING  
. LONG RANGE WEATHER  
FORECASTING  
. NOWCASTING  
. NUMERICAL WEATHER FORECASTING  
. STATISTICAL WEATHER  
FORECASTING  
RT ∞ ANALYZING  
BUDGETING  
CONFIDENCE LIMITS  
CORRELATION  
CURVE FITTING  
ESTIMATES  
ESTIMATING  
EVALUATION  
EXPECTATION  
EXTRAPOLATION  
MANAGEMENT  
MANAGEMENT METHODS  
MANAGEMENT PLANNING  
MATHEMATICAL MODELS  
MAXIMUM LIKELIHOOD ESTIMATES  
MISSION PLANNING  
NOISE PREDICTION (AIRCRAFT)  
OPERATIONS RESEARCH  
PLANNING  
PREDICTIONS  
PROBABILITY THEORY  
PROJECT PLANNING  
∞ PROJECTION  
REGRESSION ANALYSIS  
REGRESSION COEFFICIENTS  
RELIABILITY  
RESERVES  
RISK  
SCHEDULING  
STATISTICAL ANALYSIS  
STATISTICAL DISTRIBUTIONS  
SYSTEMS ENGINEERING  
TIME SERIES ANALYSIS  
TRENDS

**FORECASTS**

USE FORECASTING

**FOREHEAD**

GS ANATOMY  
. FACE (ANATOMY)  
. **FOREHEAD**  
RT HEAD (ANATOMY)  
SKULL

**FOREIGN BODIES**

RT AIRCRAFT HAZARDS  
∞ BODIES  
INJURIES  
METEORITES

**FOREIGN POLICY**

GS **FOREIGN POLICY**  
. INTERNATIONAL RELATIONS  
. INTERNATIONAL COOPERATION

## FOREIGN TRADE

### FOREIGN POLICY-(CONT.)

RT ∞ OUTER SPACE TREATY  
 ∞ BUDGETS  
 EUROPEAN SPACE PROGRAMS  
 INTERNATIONAL HYDROLOGICAL  
 DECADE

### FOREIGN TRADE

USE INTERNATIONAL TRADE

### FORENSIC SCIENCES

USE LAW (JURISPRUDENCE)

### FOREST FIRE DETECTION

GS DETECTION  
 . FOREST FIRE DETECTION  
 RT AERIAL PHOTOGRAPHY  
 ∞ DETECTORS  
 HAZE DETECTION  
 INFRARED DETECTORS  
 INFRARED INSTRUMENTS  
 INFRARED PHOTOGRAPHY  
 INFRARED RADIOMETERS  
 INFRARED SCANNERS  
 MEASURING INSTRUMENTS  
 OBSERVATION  
 RADIOMETERS  
 SATELLITE-BORNE PHOTOGRAPHY  
 SURVEILLANCE

### FOREST FIRES

GS FIRES  
 . FOREST FIRES  
 RT AIR POLLUTION  
 ASHES  
 COMBUSTION  
 FIRE PREVENTION  
 FIREBREAKS  
 FLAMES  
 FORESTS  
 SMOKE  
 WASTES

### FOREST MANAGEMENT

GS MANAGEMENT  
 . RESOURCES MANAGEMENT  
 . FOREST MANAGEMENT  
 . . . REFORESTATION  
 RT CONSERVATION  
 EARTH RESOURCES  
 FORESTS  
 LAND USE  
 REGIONAL PLANNING  
 TIMBER INVENTORY

### FORESTS

UF LUMBERING AREAS  
 GS RESOURCES  
 . EARTH RESOURCES  
 . . FORESTS  
 . . . RAIN FORESTS  
 RT AMAZON REGION (SOUTH AMERICA)  
 CANOPIES (VEGETATION)  
 CLEARINGS (OPENINGS)  
 CONIFERS  
 CONSERVATION  
 DECIDUOUS TREES  
 DEFOLIANTS  
 DEFOLIATION  
 DEFORESTATION  
 FIREBREAKS  
 FOREST FIRES  
 FOREST MANAGEMENT  
 HERBICIDES  
 LOGGING (INDUSTRY)  
 PLANTS (BOTANY)  
 REFORESTATION  
 REGIONAL PLANNING  
 SILVICULTURE  
 TIMBER IDENTIFICATION  
 TIMBER INVENTORY  
 TIMBER VIGOR  
 TIMBERLINE  
 TREES (PLANTS)  
 WILDERNESS

### FORGING

UF METAL FORGING  
 GS FORMING TECHNIQUES  
 . FORGING  
 METAL WORKING  
 . FORGING  
 RT AUSFORMING  
 BILLETS  
 BULGING

### FORGING-(CONT.)

CASTING  
 COINING  
 COLD WORKING  
 HEAT TREATMENT  
 HOT ISOSTATIC PRESSING  
 HOT PRESSING  
 HOT WORKING  
 PIERCING  
 PRESSING (FORMING)  
 RHEOCASTING  
 ∞ ROLLING  
 STAMPING

### FORKS

RT CONVEYORS  
 HOOKS

### FORM

USE SHAPES

### FORM FACTORS

RT APPROXIMATION  
 COUPLING COEFFICIENTS  
 FUNCTIONAL ANALYSIS  
 HARMONIC ANALYSIS  
 RECTIFIERS  
 SCATTERING COEFFICIENTS  
 SERIES (MATHEMATICS)  
 SQUARE WAVES  
 TRANSDUCERS  
 ∞ VARIABLE  
 WAVEFORMS  
 X RAY SCATTERING

### FORM PERCEPTION

USE SPACE PERCEPTION

### FORMALDEHYDE

GS ALDEHYDES  
 . FORMALDEHYDE  
 RT PHENOL FORMALDEHYDE

### FORMALISM

RT COMPUTER PROGRAMMING  
 DYNAMIC PROGRAMMING  
 LINEAR PROGRAMMING  
 ∞ LOGIC  
 NONLINEAR PROGRAMMING  
 PARAMETERIZATION  
 SCHEDULING

### FORMAT

RT COMPUTER PROGRAMMING  
 DOCUMENTS  
 EDITING  
 FRAMES (DATA PROCESSING)  
 PRINTOUTS  
 RECORDS  
 SYNTAX  
 TEXTS

### FORMATES

GS FORMATES  
 . CHLOROFORMATE  
 . NITROFORMATES  
 RT FORMIC ACID  
 FORMYL IONS

### ∞ FORMATION

SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED -- CONSULT THE  
 TERMS LISTED BELOW)  
 RT FORMATIONS  
 GROWTH  
 NUCLEATION  
 STRATIGRAPHY

### FORMATION HEAT

USE HEAT OF FORMATION

### FORMATIONS

RT CONTACTS (GEOLOGY)  
 ∞ FORMATION  
 FRACTURING  
 GAS INJECTION  
 GEOLOGICAL FAULTS  
 GEOLOGY  
 GEOPHYSICS  
 GREAT BASIN (US)  
 ∞ LAYERS  
 MOUNTAINS  
 OUTCROPS  
 OUTLIERS (LANDFORMS)

### FORMATIONS-(CONT.)

PALEONTOLOGY  
 PERFORATING  
 PERMEABILITY  
 PETROLOGY  
 POROSITY  
 ROCKS  
 SHATTER CONES  
 SOILS  
 STAIRSTEPS  
 STRATIGRAPHY  
 TERRACES (LANDFORMS)  
 WETTABILITY

### FORMHYDROXAMIC ACID

GS ACIDS  
 . CARBOXYLIC ACIDS  
 . . FORMHYDROXAMIC ACID  
 NITROGEN COMPOUNDS  
 AMIDES  
 . . FORMHYDROXAMIC ACID  
 ORGANIC COMPOUNDS  
 . CARBOXYLIC ACIDS  
 . . FORMHYDROXAMIC ACID

### FORMIC ACID

GS ACIDS  
 . CARBOXYLIC ACIDS  
 . . FORMIC ACID  
 ORGANIC COMPOUNDS  
 . CARBOXYLIC ACIDS  
 . . FORMIC ACID  
 RT FORMATES  
 FORMYL IONS

### FORMICA

RT LAMINATES  
 ∞ POLYMERS  
 THERMOSETTING RESINS

### FORMING TECHNIQUES

SN (TECHNIQUES OF SHAPING ITEM)  
 UF METAL FORMING  
 GS FORMING TECHNIQUES  
 . CASTING  
 . . CENTRIFUGAL CASTING  
 . . INVESTMENT CASTING  
 . . PROPELLANT CASTING  
 . . RHEOCASTING  
 . . SAND CASTING  
 . . SLIP CASTING  
 . . COLD WORKING  
 . . COLD ROLLING  
 . . ELECTROHYDRAULIC FORMING  
 . . EXPLOSIVE FORMING  
 . . ELECTROFORMING  
 . . EXTRUDING  
 . . PULTRUSION  
 . . FORGING  
 . . HOT WORKING  
 . . AUSFORMING  
 . . INJECTION MOLDING  
 . . MAGNETIC FORMING  
 . . METAL DRAWING  
 . . METAL SPINNING  
 . . HYDROSPINNING  
 . . PRESSING (FORMING)  
 . . BLANKING (CUTTING)  
 . . COINING  
 . . STAMPING  
 . . ROLL FORMING  
 RT ∞ BLANKING  
 CUTTING  
 DEPOSITION  
 ELECTROMAGNETIC HAMMERS  
 HOT MACHINING  
 LASER CUTTING  
 MACHINING  
 METAL GRINDING  
 METAL WORKING  
 SPRAYING  
 UPSETTING

### FORMS (PAPER)

RT BLANKS  
 DATA ACQUISITION

### ∞ FORMULAS

SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)  
 RT COMPUTATION  
 FORMULAS (MATHEMATICS)  
 FORMULATIONS  
 KRAMERS-KRONIG FORMULA

**FORMULAS (MATHEMATICS)**

UF EXPRESSIONS (MATHEMATICS)  
GS MATHEMATICAL LOGIC  
  . **FORMULAS (MATHEMATICS)**  
    . BETHE-HEITLER FORMULA  
RT  $\infty$  FORMULAS  
   $\infty$  MATHEMATICS

**FORMULATIONS**

RT ADMIXTURES  
   $\infty$  COMPOSITION  
   $\infty$  FORMULAS  
    INGREDIENTS  
    MIXTURES  
    PARAMETERIZATION  
    STOICHIOMETRY

**FORMYL IONS**

GS IONS  
  . MOLECULAR IONS  
  . **FORMYL IONS**  
  . POSITIVE IONS  
  . CATIONS  
  . **FORMYL IONS**  
  RADICALS  
  . **FORMYL IONS**  
RT ATMOSPHERIC CHEMISTRY  
  FORMATES  
  FORMIC ACID  
  HYDROXYL RADICALS  
  INTERSTELLAR CHEMISTRY  
  INTERSTELLAR MATTER

**FORSTERITE**

GS MAGNESIUM COMPOUNDS  
  . **FORSTERITE**  
  MINERALS  
  . OLIVINE  
  . **FORSTERITE**  
  SILICON COMPOUNDS  
  . SILICATES  
  . **FORSTERITE**  
RT REFRACTORIES

**FORTISAN (TRADEMARK)**

GS FABRICS  
  . **FORTISAN (TRADEMARK)**  
  FIBERS  
  . SYNTHETIC FIBERS  
  . **FORTISAN (TRADEMARK)**  
  ORGANIC COMPOUNDS  
  . CARBOHYDRATES  
  . POLYSACCHARIDES  
  . CELLULOSE  
  . **FORTISAN (TRADEMARK)**  
RT PARACHUTE FABRICS

**FORTTRAN**

UF FAB (PROGRAMMING LANGUAGE)  
GS LANGUAGES  
  . PROGRAMMING LANGUAGES  
  . **FORTTRAN**  
RT COBOL  
  COMPILERS  
  COMPUTER PROGRAMMING  
  PL/1

**FORWARD LOOKING INFRARED DETECTORS**

USE FLIR DETECTORS

**FORWARD SCATTERING**

GS SCATTERING  
  . **FORWARD SCATTERING**  
RT BACKSCATTERING  
  INVERSE SCATTERING  
  LIGHT SCATTERING  
  NUCLEAR SCATTERING  
  SCATTER PROPAGATION

**FOSSIL FUELS**

GS RESOURCES  
  . EARTH RESOURCES  
  . **FOSSIL FUELS**  
  . COAL  
  . ANTHRACITE  
  . LIGNITE  
  . SOLVENT REFINED COAL  
  . CRUDE OIL  
  . NATURAL GAS  
  . PEAT  
RT CARBONACEOUS MATERIALS  
  UNDERWATER RESOURCES

**FOSSIL METEORITE CRATERS**

USE FOSSILS  
  METEORITE CRATERS

**FOSSILS**

UF FOSSIL METEORITE CRATERS  
RT ARCHAEOLOGY  
  PALEOBIOLOGY  
  PALEONTOLOGY  
  PARTICLE TRACKS  
  RADIOACTIVE AGE DETERMINATION

**FOSTER THEORY**

RT NETWORK ANALYSIS  
  REACTANCE  
  RESONANCE  
   $\infty$  THEORIES

**FOULING**

GS **FOULING**  
  . ANTIFOULING  
RT CONTAMINATION  
  CORROSION  
  DEPOSITION  
  ICE FORMATION  
  PLUGGING  
  RETARDING

**FOUNDATIONS**

UF BASES (FOUNDATIONS)  
  STRUCTURAL FOUNDATIONS  
GS **FOUNDATIONS**  
  . PILE FOUNDATIONS  
RT BASEMENTS  
   $\infty$  BASES  
    CAISSONS  
    CONCRETE STRUCTURES  
    EXCAVATION  
    GEOTECHNICAL ENGINEERING  
    OVERCONSOLIDATION  
   $\infty$  PAD  
    PAVEMENTS  
    SKIRTS  
    STRUCTURAL MEMBERS  
   $\infty$  STRUCTURES  
    SUBSTRUCTURES  
    SUPPORTS  
    UNDERGROUND STRUCTURES

**FOUNDRIES**

GS INDUSTRIAL PLANTS  
  . **FOUNDRIES**  
RT FURNACES  
   $\infty$  METALLURGY  
  MOLDS

**FOUR BODY PROBLEM**

RT CELESTIAL MECHANICS  
  MANY BODY PROBLEM  
  ORBITS  
  PERTURBATION  
   $\infty$  PROBLEMS  
    THREE BODY PROBLEM

**FOURIER ANALYSIS**

GS ANALYSIS (MATHEMATICS)  
  . **FOURIER ANALYSIS**  
  . **FOURIER SERIES**  
RT AUTOCORRELATION  
  DATA COMPRESSION  
  DIFFERENTIAL EQUATIONS  
  DIVERGENCE  
  EXPONENTIAL FUNCTIONS  
  FREQUENCY DISTRIBUTION  
  HARMONIC ANALYSIS  
  HARMONIC EXCITATION  
  HARMONIC FUNCTIONS  
  HARMONIC GENERATIONS  
  HARMONIC OSCILLATION  
  HARMONICS  
  INFORMATION THEORY  
  KURTOSIS  
  LINEAR TRANSFORMATIONS  
  MEASURE AND INTEGRATION  
  OPERATIONAL CALCULUS  
  PERIODIC FUNCTIONS  
  PERIODIC VARIATIONS  
  REAL VARIABLES  
  SIMPLE HARMONIC MOTION  
  TIME SERIES ANALYSIS

**FOURIER LAW**

GS LAWS  
  . **FOURIER LAW**  
RT THERMAL CONDUCTIVITY

**FOURIER SERIES**

GS ANALYSIS (MATHEMATICS)  
  . CALCULUS  
  . SERIES (MATHEMATICS)  
  . **FOURIER SERIES**  
  FOURIER ANALYSIS  
  . **FOURIER SERIES**  
  REAL VARIABLES  
  . SERIES (MATHEMATICS)  
  . **FOURIER SERIES**  
RT GIBBS PHENOMENON

**FOURIER TRANSFORMATION**

GS ANALYSIS (MATHEMATICS)  
  . FUNCTIONAL ANALYSIS  
  . INTEGRAL TRANSFORMATIONS  
  . **FOURIER TRANSFORMATION**  
  FUNCTIONS (MATHEMATICS)  
  . **FOURIER TRANSFORMATION**  
  . FAST FOURIER TRANSFORMATIONS  
  TRANSFORMATIONS (MATHEMATICS)  
  . INTEGRAL TRANSFORMATIONS  
  . **FOURIER TRANSFORMATION**  
  . FAST FOURIER TRANSFORMATIONS  
RT BBGKY HIERARCHY  
  HOLOGRAPHIC SPECTROSCOPY  
  MAXIMUM ENTROPY METHOD  
  WALSH FUNCTION

**FOURIER-BESSEL TRANSFORMATIONS**

GS ANALYSIS (MATHEMATICS)  
  . CALCULUS  
  . **FOURIER-BESSEL**  
  **TRANSFORMATIONS**  
  REAL VARIABLES  
  . **FOURIER-BESSEL**  
  **TRANSFORMATIONS**  
  FUNCTIONS (MATHEMATICS)  
  . **FOURIER-BESSEL TRANSFORMATIONS**  
  TRANSFORMATIONS (MATHEMATICS)  
  . INTEGRAL TRANSFORMATIONS  
  . **FOURIER-BESSEL**  
  **TRANSFORMATIONS**  
RT DIFFERENTIAL EQUATIONS  
  SERIES (MATHEMATICS)

**FOVEA**

GS ANATOMY  
  . SENSE ORGANS  
  . EYE (ANATOMY)  
  . RETINA  
  . **FOVEA**  
RT SACCADIC EYE MOVEMENTS

**FR-1 SATELLITE**

GS ARTIFICIAL SATELLITES  
  . FRENCH SATELLITES  
  . **FR-1 SATELLITE**

**FRACTALS**

GS DIMENSIONS  
  . **FRACTALS**  
  GEOMETRY  
  . **FRACTALS**  
RT  $\infty$  APPLICATIONS OF MATHEMATICS  
  COORDINATES  
  EXPONENTS  
  HALF SPACES  
   $\infty$  MATHEMATICS  
  RATIOS  
  SET THEORY  
   $\infty$  SPACE  
  STRANGE ATTRACTORS

**FRACTIONATION**

GS **FRACTIONATION**  
  . CHEMICAL FRACTIONATION  
  . HYDROCRACKING  
RT REFINING  
  RETORT PROCESSING  
   $\infty$  SEPARATION  
  SOLVENT REFINED COAL

**FRACTIONS**

SN (EXCLUDES MATHEMATICAL CONCEPTS)  
RT  $\infty$  COMPONENTS  
  FINES  
  PARTICLE SIZE DISTRIBUTION  
  RATIOS

**FRAC TOGRAPHY**

GS PHOTOGRAPHY  
  . **FRAC TOGRAPHY**  
RT BRITTLINESS  
  CRACK CLOSURE



## FRACTURE MECHANICS

### FRACTOGRAPHY-(CONT.)

- CRACK GEOMETRY
- CRACK PROPAGATION
- DUCTILITY
- ELBER EQUATION
- FATIGUE (MATERIALS)
- FRACTURES (MATERIALS)
- ∞ METALLURGY

### FRACTURE MECHANICS

- UF FAULT MECHANICS
- MOHR CIRCLES
- RT BEND TESTS
- BURST TESTS
- CAUSTICS (OPTICS)
- CRACK CLOSURE
- CRACK INITIATION
- CRACK PROPAGATION
- ELBER EQUATION
- FINITE ELEMENT METHOD
- FRACTURING
- GRIFFITH CRACK
- HOLE GEOMETRY (MECHANICS)
- ISOPARAMETRIC FINITE ELEMENTS
- J INTEGRAL
- ∞ MECHANICS (PHYSICS)
- MICROMECHANICS
- PLANE STRAIN
- RESIDUAL STRENGTH
- ROCK MECHANICS
- RUPTURING
- SHORT CRACKS
- SOIL MECHANICS
- STRAIN DISTRIBUTION
- STRESS DISTRIBUTION
- STRESS INTENSITY FACTORS
- STRESS TENSORS
- TIME TEMPERATURE PARAMETER

### FRACTURE RESISTANCE

- USE FRACTURE STRENGTH

### FRACTURE STRENGTH

- UF FRACTURE RESISTANCE
- FRACTURE TOUGHNESS
- GS MECHANICAL PROPERTIES
- ∞ FRACTURE STRENGTH
- RT BEND TESTS
- BRITTLE MATERIALS
- BRITTLENESS
- BURST TESTS
- CARBON-CARBON COMPOSITES
- CRACK CLOSURE
- CRACK INITIATION
- CRACK PROPAGATION
- CREEP RUPTURE STRENGTH
- DUCTILITY
- EARTHQUAKE RESISTANCE
- EUTECTIC COMPOSITES
- HARDNESS
- J INTEGRAL
- RESIDUAL STRENGTH
- ∞ RESISTANCE
- RETIREMENT FOR CAUSE
- ∞ STRENGTH
- TOUGHNESS
- YIELD STRENGTH

### FRACTURE TOUGHNESS

- USE FRACTURE STRENGTH

### FRACTURES (MATERIALS)

- GS FRACTURES (MATERIALS)
- ∞ CRACKS
- ∞ CRACK TIPS
- ∞ MICROCRACKS
- ∞ SHORT CRACKS
- ∞ SURFACE CRACKS
- RT DAMAGE
- DEFORMATION
- FAILURE
- FRACTOGRAPHY
- ∞ MATERIALS

### FRACTURING

- GS FRACTURING
- ∞ CRACKING (FRACTURING)
- ∞ STRESS CORROSION CRACKING
- ∞ CRUSTAL FRACTURES
- RT BRITTLENESS
- CHIPPING
- CRACK CLOSURE
- CRACK PROPAGATION
- CUTTING
- FLAKING

### FRACTURING-(CONT.)

- FORMATIONS
- FRACTURE MECHANICS
- FRAGMENTATION
- FRAGMENTS
- METAL FATIGUE
- PERFORATING
- ∞ SEPARATION
- SPALLING
- SPLITTING
- STRESS FUNCTIONS
- STRUCTURAL FAILURE

### FRAGMENTATION

- UF SHATTERING
- RT ACOUSTIC STREAMING
- BREAKING
- BURSTS
- CHIPPING
- COMMINUTION
- FRACTURING
- FRAGMENTS
- PENETRATION
- SABOT PROJECTILES
- SHRAPNEL
- SPALLING
- TERMINAL BALLISTICS

### FRAGMENTS

- RT CHIPS
- DEBRIS
- EJECTA
- FRACTURING
- FRAGMENTATION
- SHRAPNEL

### FRAME PHOTOGRAPHY

- GS PHOTOGRAPHY
- ∞ FRAME PHOTOGRAPHY
- RT BLACK AND WHITE PHOTOGRAPHY
- FRAMING CAMERAS
- HIGH SPEED CAMERAS

### FRAMES

- GS FRAMES
- ∞ AIRFRAMES
- ∞ CHASSIS
- ∞ UNDERCARRIAGES
- RT CARRIAGES
- SPRINGS (ELASTIC)
- ∞ STRUCTURES
- STRUTS
- SUPPORTS
- TRUSSES

### FRAMES (DATA PROCESSING)

- RT DATA MANAGEMENT
- DATA PROCESSING
- FORMAT
- IMAGE PROCESSING

### FRAMING CAMERAS

- GS OPTICAL EQUIPMENT
- ∞ CAMERAS
- ∞ HIGH SPEED CAMERAS
- ∞ FRAMING CAMERAS
- PHOTOGRAPHIC EQUIPMENT
- ∞ CAMERAS
- ∞ HIGH SPEED CAMERAS
- ∞ FRAMING CAMERAS
- RT FRAME PHOTOGRAPHY
- ROTATING MIRRORS

### FRANCE

- GS NATIONS
- ∞ FRANCE
- ∞ FRENCH GUIANA
- ∞ GUADELOUPE
- ∞ MARTINIQUE
- RT ANDORRA
- ENGLISH CHANNEL
- EUROPE
- FRENCH SPACE PROGRAMS
- PYRENEES MOUNTAINS (EUROPE)
- RHONE DELTA (FRANCE)

### FRANCIUM

- GS CHEMICAL ELEMENTS
- ∞ ALKALI METALS
- ∞ FRANCIUM
- METALS
- ∞ ALKALI METALS
- ∞ FRANCIUM

### FRANCK-CONDON PRINCIPLE

- RT BORN-OPPENHEIMER APPROXIMATION
- COLOR CENTERS
- CONDUCTION BANDS
- ELECTRON TRANSITIONS
- FORBIDDEN TRANSITIONS
- OPTICAL TRANSITION

### FRAUNHOFER LINE DISCRIMINATORS

- GS CIRCUITS
- ∞ DISCRIMINATORS
- ∞ FRAUNHOFER LINE DISCRIMINATORS
- RT ABSORPTION SPECTRA
- LUMINESCENCE
- MEASURING INSTRUMENTS
- SPECTROSCOPIC ANALYSIS
- SPECTROSCOPY

### FRAUNHOFER LINES

- GS SPECTRA
- ∞ RADIATION SPECTRA
- ∞ ABSORPTION SPECTRA
- ∞ FRAUNHOFER LINES
- ∞ ELECTROMAGNETIC SPECTRA
- ∞ LINE SPECTRA
- ∞ FRAUNHOFER LINES
- ∞ SPECTRAL BANDS
- ∞ ABSORPTION SPECTRA
- ∞ FRAUNHOFER LINES
- RT ABSORPTION SPECTROSCOPY
- OPTOGALVANIC SPECTROSCOPY
- SOLAR SPECTRA

### FRAUNHOFER REGION

- USE FAR FIELDS

### FREDHOLM EQUATIONS

- UF FREDHOLM OPERATORS
- GS ANALYSIS (MATHEMATICS)
- ∞ FUNCTIONAL ANALYSIS
- ∞ INTEGRAL EQUATIONS
- ∞ FREDHOLM EQUATIONS
- RT ∞ EQUATIONS
- POMERANCHUK THEOREM

### FREDHOLM OPERATORS

- USE FREDHOLM EQUATIONS
- OPERATORS (MATHEMATICS)

### FREE ATMOSPHERE

- GS EARTH ATMOSPHERE
- ∞ FREE ATMOSPHERE
- RT BIOSPHERE
- MIDDLE ATMOSPHERE
- PRIMITIVE EARTH ATMOSPHERE

### FREE BOUNDARIES

- GS BOUNDARIES
- ∞ FREE BOUNDARIES
- RT FLUID BOUNDARIES
- INTERFACES
- JET FLOW
- JET MIXING FLOW
- JET STREAMS (METEOROLOGY)
- LIQUID SURFACES
- LIQUID-LIQUID INTERFACES
- LIQUID-VAPOR INTERFACES

### FREE CONVECTION

- UF THERMAL CONVECTION
- GS CONVECTION
- ∞ FREE CONVECTION
- ∞ RAYLEIGH-BENARD CONVECTION
- ∞ BENARD CELLS
- RT CONVECTION CURRENTS
- CONVECTIVE FLOW
- CONVECTIVE HEAT TRANSFER
- FORCED CONVECTION
- LAMINAR FLOW
- MARANGONI CONVECTION
- POROUS BOUNDARY LAYER CONTROL
- TEMPERATURE
- THERMOSIPHONS
- TURBULENT FLOW

### FREE ELECTRON LASERS

- GS STIMULATED EMISSION DEVICES
- ∞ LASERS
- ∞ FREE ELECTRON LASERS
- RT DIFFRACTION RADIATION
- WIGGLER MAGNETS

### FREE ELECTRONS

- GS CHARGE CARRIERS

**FREE ELECTRONS-(CONT.)**

GS **FREE ELECTRONS**  
RT BRILLOUIN ZONES  
CONDUCTION ELECTRONS  
ELECTRON AVALANCHE  
ELECTRON DENSITY (CONCENTRATION)  
ELECTRON GAS  
FORBIDDEN BANDS  
PLASMA FREQUENCIES  
RECOMBINATION COEFFICIENT

**FREE ENERGY**

GS THERMODYNAMIC PROPERTIES  
GS **FREE ENERGY**  
GS GIBBS FREE ENERGY  
RT CHEMICAL ENERGY  
GS ENERGY  
ENERGY OF FORMATION  
ENTHALPY  
GIBBS-HELMHOLTZ EQUATIONS  
INTERNAL ENERGY  
GS LEVEL  
MOLECULAR ENERGY LEVELS  
THERMAL ENERGY  
THERMODYNAMICS

**FREE FALL**

RT AIR DROP OPERATIONS  
BALLISTIC TRAJECTORIES  
FALLING SPHERES  
PARACHUTE DESCENT  
WEIGHTLESSNESS

**FREE FLIGHT**

RT GS FLIGHT  
GLIDERS  
GLIDING  
HANG GLIDERS

**FREE FLIGHT TEST APPARATUS**

RT FLIGHT TESTS  
GS TEST EQUIPMENT

**FREE FLOW**

UF FREE STREAM EFFECTS  
FREE STREAMS  
GS FLUID FLOW  
GS **FREE FLOW**  
RT VOID RATIO

**FREE JETS**

GS FLUID JETS  
GS **FREE JETS**  
RT JET BOUNDARIES  
JET FLOW  
GS JETS

**FREE MOLECULAR FLOW**

GS FLUID FLOW  
GS GAS FLOW  
GS **FREE MOLECULAR FLOW**  
RT CONTINUUM FLOW  
KINETIC THEORY  
KNUDSEN FLOW  
MOLECULAR BEAMS  
RAREFIED GAS DYNAMICS  
RAREFIED GASES  
SLIP FLOW  
TRANSITION FLOW

**FREE OSCILLATIONS**

USE FREE VIBRATION

**FREE RADICALS**

GS RADICALS  
GS **FREE RADICALS**  
GS HYDROXYL RADICALS  
RT AMINO RADICAL  
ATOMS  
CARBENES  
IONS  
NEGATIVE IONS  
OXYGEN IONS  
TRIVALENT IONS  
VINYL RADICAL

**FREE STREAM EFFECTS**

USE FREE FLOW

**FREE STREAMS**

USE FREE FLOW

**FREE VIBRATION**

UF FREE OSCILLATIONS

**FREE VIBRATION-(CONT.)**

GS VIBRATION  
GS **FREE VIBRATION**  
RT FORCED VIBRATION  
LINEAR VIBRATION  
PROTON PRECESSION  
SELF EXCITATION  
SELF INDUCED VIBRATION  
VIBRATION MODE

**FREE WING AIRCRAFT**

RT AERODYNAMICS  
GS AIRCRAFT  
AIRCRAFT DESIGN  
CONTROL SURFACES

**FREE-PISTON ENGINES**

GS ENGINES  
GS PISTON ENGINES  
GS **FREE-PISTON ENGINES**  
RT AC GENERATORS  
PISTONS  
SPACECRAFT POWER SUPPLIES  
STIRLING ENGINES

**FREEDOM FIGHTER AIRCRAFT**

USE F-5 AIRCRAFT

**FREEZE DRYING**

GS DRYING  
GS **FREEZE DRYING**  
RT DEHYDRATED FOOD  
DEHYDRATION  
FREEZING  
FROZEN FOODS  
PRESERVING

**FREEZING**

GS PHASE TRANSFORMATIONS  
GS **FREEZING**  
GS VIBRATIONAL FREEZING  
GS ZONE MELTING  
RT ANTIFREEZES  
BAY ICE  
CLOUD GLACIATION  
COLD TRAPS  
COOLING  
CRYOGENIC COOLING  
CRYSTALLIZATION  
FREEZE DRYING  
FROST  
ICE FORMATION  
ICE NUCLEI  
LOW TEMPERATURE  
MELTING  
PRESERVING  
PRESSURE ICE  
REFRIGERATING  
SEA ICE  
SOLIDIFICATION  
SOLIDIFIED GASES

**FREEZING POINTS**

USE MELTING POINTS

**FREIGHT**

USE CARGO

**FREIGHT COSTS**

GS COSTS  
GS **FREIGHT COSTS**  
RT CARGO  
FREIGHTERS  
TRANSPORTATION

**FREIGHTERS**

RT FREIGHT COSTS  
HARBORS  
TRANSPORTATION  
WHARVES

**FRENCH EQUATORIAL CONGO**

USE CONGO (BRAZZAVILLE)

**FRENCH GUIANA**

GS NATIONS  
GS FRANCE  
GS **FRENCH GUIANA**  
RT CARIBBEAN REGION  
SOUTH AMERICA

**FRENCH SATELLITES**

GS ARTIFICIAL SATELLITES  
GS **FRENCH SATELLITES**

**FRENCH SATELLITES-(CONT.)**

GS D-1 SATELLITE  
GS D-2 SATELLITES  
GS EOLE SATELLITES  
GS FR-1 SATELLITE  
GS GEOLE SATELLITES  
GS PEOPLE SATELLITES  
GS POSEIDON SATELLITE  
GS SPOT (FRENCH SATELLITE)  
GS SRET SATELLITES  
GS SRET 1 SATELLITE  
GS SRET 2 SATELLITE  
RT EUROPEAN SPACE PROGRAMS  
METEOSAT SATELLITE  
SYMPHONIE SATELLITES

**FRENCH SPACE PROGRAMS**

GS PROGRAMS  
GS SPACE PROGRAMS  
GS **FRENCH SPACE PROGRAMS**  
RT EOLE SATELLITES  
EUROPEAN SPACE PROGRAMS  
FRANCE  
GEOLE SATELLITES  
HERMES MANNED SPACEPLANE  
INTERNATIONAL COOPERATION  
METEOSAT SATELLITE  
GS RESEARCH PROJECTS  
SPACE EXPLORATION  
SPACE MISSIONS  
GS SPACECRAFT  
SRET SATELLITES  
SRET 1 SATELLITE

**FRENKEL DEFECTS**

GS DEFECTS  
GS CRYSTAL DEFECTS  
GS POINT DEFECTS  
GS VACANCIES (CRYSTAL DEFECTS)  
GS **FRENKEL DEFECTS**

**FREON**

RT AIR CONDITIONING  
COOLANTS  
COOLING  
COOLING SYSTEMS  
FLUOROHYDROCARBONS  
GAS COOLING  
REFRIGERANTS  
REFRIGERATING

**FREQUENCIES**

UF FREQUENCY BANDS  
GS **FREQUENCIES**  
GS ACOUSTIC FREQUENCIES  
GS AUDIO FREQUENCIES  
GS QUEFRENCIES  
GS BEAT FREQUENCIES  
GS BROADBAND  
GS BRUNT-VAISALA FREQUENCY  
GS CARRIER FREQUENCIES  
GS CRITICAL FREQUENCIES  
GS CYCLOTRON FREQUENCY  
GS EXTREMELY LOW FREQUENCIES  
GS INFRASONIC FREQUENCIES  
GS INTERMEDIATE FREQUENCIES  
GS IONIZATION FREQUENCIES  
GS MAXIMUM USABLE FREQUENCY  
GS NYQUIST FREQUENCIES  
GS PLASMA FREQUENCIES  
GS RADIO FREQUENCIES  
GS EXTREMELY LOW RADIO  
FREQUENCIES  
GS HIGH FREQUENCIES  
GS LOW FREQUENCIES  
GS VERY LOW FREQUENCIES  
GS LOW FREQUENCY BANDS  
GS VERY LOW FREQUENCIES  
GS MICROWAVE FREQUENCIES  
GS C BAND  
GS EXTREMELY HIGH FREQUENCIES  
GS P BAND  
GS SUPERHIGH FREQUENCIES  
GS ULTRAHIGH FREQUENCIES  
GS P BAND  
GS VERY HIGH FREQUENCIES  
GS P BAND  
GS RESONANT FREQUENCIES  
GS SUBAUDIBLE FREQUENCIES  
GS SWEEP FREQUENCY  
RT AEOLIAN TONES  
AMPLITUDES  
GS BANDS  
BANDWIDTH  
BROADBAND AMPLIFIERS

## FREQUENCY ANALYZERS

### FREQUENCIES-(CONT.)

CHANNEL CAPACITY  
 ∞ CHANNELS  
 . FREQUENCY DISTRIBUTION  
 . FREQUENCY RANGES  
 . FREQUENCY REUSE  
 . HARMONICS  
 . LINE SPECTRA  
 . LONGITUDINAL WAVES  
 . MICROCHANNELS  
 . MILLIMETER WAVES  
 . NARROWBAND  
 ∞ PITCH  
 . RADIO WAVES  
 . SPECTRAL BANDS  
 . STANDING WAVES  
 . SUBMILLIMETER WAVES  
 . SUPERHARMONICS

### FREQUENCY ANALYZERS

RT HARMONIC ANALYSIS  
 INTERMODULATION  
 OSCILLOSCOPES  
 SELECTIVE FADING  
 SIGNAL ANALYSIS  
 SPECTRUM ANALYSIS  
 SWEEP FREQUENCY  
 ∞ TEST EQUIPMENT  
 VIBRATION MEASUREMENT

### FREQUENCY ASSIGNMENT

RT COMMUNICATING  
 FREQUENCY REUSE  
 MAXIMUM USABLE FREQUENCY  
 ORBIT SPECTRUM UTILIZATION

### FREQUENCY BANDS

USE FREQUENCIES

### FREQUENCY COMPRESSION DEMODULATORS

GS DEMODULATORS  
 . FREQUENCY COMPRESSION  
 DEMODULATORS

### FREQUENCY CONTROL

UF FREQUENCY REGULATION  
 GS REGULATORS  
 . FREQUENCY CONTROL  
 . AUTOMATIC FREQUENCY CONTROL  
 RT AUTODYNES  
 ∞ CONTROL  
 . CRYSTAL OSCILLATORS  
 . QUARTZ CRYSTALS  
 . SIGNAL STABILIZATION

### FREQUENCY CONVERSION

USE FREQUENCY CONVERTERS

### FREQUENCY CONVERTERS

UF FREQUENCY CONVERSION  
 FREQUENCY TRANSLATION  
 GS FREQUENCY CONVERTERS  
 . DOWN-CONVERTERS  
 . FREQUENCY DIVIDERS  
 . FREQUENCY MULTIPLIERS  
 . FREQUENCY SYNTHESIZERS  
 . PARAMETRIC FREQUENCY  
 CONVERTERS  
 . UP-CONVERTERS  
 RT ∞ CONVERSION  
 ∞ CONVERTERS  
 . HARMONIC GENERATORS  
 . MIXING CIRCUITS  
 . PARAMETRIC AMPLIFIERS  
 . PULSE WIDTH AMPLITUDE CONVERTERS

### FREQUENCY DISCRIMINATORS

GS CIRCUITS  
 . DISCRIMINATORS  
 . FREQUENCY DISCRIMINATORS

### FREQUENCY DISTRIBUTION

SN (OF CYCLIC VARIATIONS)  
 GS DISTRIBUTION (PROPERTY)  
 . FREQUENCY DISTRIBUTION  
 . KURTOSIS  
 RT CYCLES  
 FOURIER ANALYSIS  
 FREQUENCIES  
 SUBAUDIBLE FREQUENCIES

### FREQUENCY DIVIDERS

GS FREQUENCY CONVERTERS  
 . FREQUENCY DIVIDERS

### FREQUENCY DIVIDERS-(CONT.)

RT DOWN-CONVERTERS

### FREQUENCY DIVISION MULTIPLE ACCESS

UF FDMA  
 GS TELECOMMUNICATION  
 . MULTIPLE ACCESS  
 . FREQUENCY DIVISION MULTIPLE  
 ACCESS  
 TRANSMISSION  
 . SIGNAL TRANSMISSION  
 . DATA TRANSMISSION  
 . MULTIPLE ACCESS  
 . FREQUENCY DIVISION MULTIPLE  
 ACCESS  
 RT ALOHA SYSTEM  
 CODE DIVISION MULTIPLE ACCESS  
 CODE DIVISION MULTIPLEXING  
 MULTIPLEXING  
 RADIO COMMUNICATION  
 TIME DIVISION MULTIPLE ACCESS

### FREQUENCY DIVISION MULTIPLEXING

GS TRANSMISSION  
 . MULTIPLEXING  
 . FREQUENCY DIVISION MULTIPLEXING  
 RT CARRIER FREQUENCIES  
 COMMUNICATION NETWORKS  
 DATA TRANSMISSION  
 DEMULTIPLEXING  
 MULTIPLE ACCESS  
 PULSE COMMUNICATION  
 RADIO COMMUNICATION  
 SATELLITE TRANSMISSION  
 TELECOMMUNICATION  
 TIME DIVISION MULTIPLEXING  
 WAVELENGTH DIVISION MULTIPLEXING

### FREQUENCY HOPPING

RT FREQUENCY REUSE  
 FREQUENCY SHIFT KEYING  
 JAMMING  
 SPREAD SPECTRUM TRANSMISSION  
 TRANSMISSION EFFICIENCY

### FREQUENCY MEASUREMENT

RT ACOUSTIC MEASUREMENT  
 ∞ MEASUREMENT  
 TIME MEASUREMENT  
 VIBRATION MEASUREMENT

### FREQUENCY MODULATION

GS CODING  
 . SIGNAL ENCODING  
 . FREQUENCY MODULATION  
 . FEEDBACK FREQUENCY  
 MODULATION  
 . FM/PM (MODULATION)  
 . FREQUENCY SHIFT KEYING  
 . PULSE FREQUENCY MODULATION  
 MODULATION  
 . FREQUENCY MODULATION  
 . FEEDBACK FREQUENCY MODULATION  
 . FM/PM (MODULATION)  
 . FREQUENCY SHIFT KEYING  
 . PULSE FREQUENCY MODULATION  
 RT AMPLITUDE MODULATION  
 AUTOMATIC FREQUENCY CONTROL  
 CAPTURE EFFECT  
 CARRIER TO NOISE RATIOS  
 COMPANDING  
 DEMODULATION  
 DEMODULATORS  
 INTERMODULATION  
 LIGHT MODULATION  
 LINE OF SIGHT COMMUNICATION  
 MODULATORS  
 PHASE MODULATION  
 PULSE FREQUENCY MODULATION  
 TELEMETRY  
 PULSE MODULATION  
 VOCODERS  
 VOLTAGE CONTROLLED OSCILLATORS

### FREQUENCY MODULATION PHOTOMULTIPLIERS

GS AMPLIFIERS  
 . CURRENT AMPLIFIERS  
 . PHOTOMULTIPLIER TUBES  
 . FREQUENCY MODULATION  
 PHOTOMULTIPLIERS  
 ELECTRON TUBES  
 . COLD CATHODE TUBES  
 . PHOTOTUBES  
 . PHOTOMULTIPLIER TUBES

### FREQUENCY MODULATION-(CONT.)

.... FREQUENCY MODULATION  
 PHOTOMULTIPLIERS  
 RT CATHODES  
 VACUUM TUBE OSCILLATORS

### FREQUENCY MULTIPLIERS

GS FREQUENCY CONVERTERS  
 . FREQUENCY MULTIPLIERS  
 RT PHASE MATCHING

### FREQUENCY RANGES

GS RANGE (EXTREMES)  
 . FREQUENCY RANGES  
 . OCTAVES  
 . RADIO RANGE  
 . SUBAUDIBLE FREQUENCIES  
 RT ACOUSTIC FREQUENCIES  
 BANDWIDTH  
 FREQUENCIES  
 ∞ FREQUENCY RESPONSE  
 FREQUENCY REUSE

### FREQUENCY REGULATION

USE FREQUENCY CONTROL

### ∞ FREQUENCY RESPONSE

SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)  
 UF PHASE RESPONSE  
 RT ACUITY  
 BROADBAND  
 DISTRIBUTED AMPLIFIERS  
 DYNAMIC CHARACTERISTICS  
 DYNAMIC RESPONSE  
 EQUALIZERS (CIRCUITS)  
 FREQUENCY RANGES  
 LINEAR FILTERS  
 LINEAR RECEIVERS  
 LOG PERIODIC ANTENNAS  
 LOGARITHMIC RECEIVERS  
 PERCEPTION  
 PULSE REPETITION RATE  
 RAMP FUNCTIONS  
 RESPONSES  
 SENSITIVITY  
 SMEAR  
 SPECTRAL SENSITIVITY  
 STEP FUNCTIONS  
 STROKING TESTS  
 THRESHOLDS (PERCEPTION)

### FREQUENCY REUSE

RT DATA LINKS  
 DOWNLINKING  
 FREQUENCIES  
 FREQUENCY ASSIGNMENT  
 FREQUENCY HOPPING  
 FREQUENCY RANGES  
 MAXIMUM USABLE FREQUENCY  
 MICROWAVE TRANSMISSION  
 RADIO TRANSMISSION  
 SATELLITE TRANSMISSION  
 UPLINKING

### FREQUENCY SCANNING

GS SCANNING  
 . FREQUENCY SCANNING  
 RT PANORAMIC SCANNING  
 RADAR SCANNING  
 SPECTRUM ANALYSIS  
 SWEEP CIRCUITS  
 SWEEP FREQUENCY

### FREQUENCY SHIFT

RT BRILLOUIN EFFECT  
 DOPPLER EFFECT  
 DOPPLER-FIZEAU EFFECT  
 GYROTRONISM  
 ∞ SHIFT

### FREQUENCY SHIFT KEYING

GS CODING  
 . SIGNAL ENCODING  
 . FREQUENCY MODULATION  
 . FREQUENCY SHIFT KEYING  
 KEYING  
 . FREQUENCY SHIFT KEYING  
 MODULATION  
 . FREQUENCY MODULATION  
 . FREQUENCY SHIFT KEYING  
 RT FREQUENCY HOPPING  
 RADIO TRANSMISSION

## FRONTS (METEOROLOGY)

### FREQUENCY STABILITY

UF ACOUSTIC STABILITY  
GS DYNAMIC CHARACTERISTICS  
    . DYNAMIC STABILITY  
    . **FREQUENCY STABILITY**  
STABILITY  
    . DYNAMIC STABILITY  
    . **FREQUENCY STABILITY**  
RT CRYSTAL OSCILLATORS  
LASER STABILITY  
OSCILLATORS  
QUARTZ CRYSTALS  
STABLE OSCILLATIONS  
VOLTAGE CONTROLLED OSCILLATORS

### FREQUENCY STANDARDS

GS STANDARDS  
    . **FREQUENCY STANDARDS**  
RT ATOMIC CLOCKS  
GAS MASERS  
ION STORAGE  
MASERS  
RESONATORS  
TIME SIGNALS

### FREQUENCY SYNCHRONIZATION

GS SYNCHRONISM  
    . **FREQUENCY SYNCHRONIZATION**  
RT BIT SYNCHRONIZATION  
CAPTURE EFFECT  
HOMODYNE RECEPTION  
SWEEP FREQUENCY  
SYNCHRONIZED OSCILLATORS  
SYNTONY

### FREQUENCY SYNTHESIZERS

GS FREQUENCY CONVERTERS  
    . **FREQUENCY SYNTHESIZERS**  
SIGNAL GENERATORS  
    . **FREQUENCY SYNTHESIZERS**  
RT MIXING CIRCUITS  
OSCILLATORS  
SYNTHESIZERS

### FREQUENCY TRANSLATION

USE FREQUENCY CONVERTERS

### FRESH WATER

GS WATER  
    . **FRESH WATER**  
RT AGRISTARS PROJECT  
AQUIFERS  
GROUND WATER  
LIMNOLOGY  
POTABLE WATER  
RESERVOIRS  
SPRINGS (WATER)

### FRESNEL DIFFRACTION

GS DIFFRACTION  
    . **FRESNEL DIFFRACTION**  
RT GRATINGS (SPECTRA)  
INTERFEROMETRY  
SPECKLE INTERFEROMETRY

### FRESNEL INTEGRALS

UF FRESNEL-KIRCHHOFF INTEGRALS  
GS FUNCTIONS (MATHEMATICS)  
    . **FRESNEL INTEGRALS**  
RT DIFFRACTION PATTERNS  
TRIGONOMETRIC FUNCTIONS  
WAVE DIFFRACTION

### FRESNEL LENSES

GS LENSES  
    . **FRESNEL LENSES**  
RT FOCUSING  
    . OPTICS

### FRESNEL REFLECTORS

GS MIRRORS  
    . **FRESNEL REFLECTORS**  
REFLECTORS  
    . **FRESNEL REFLECTORS**  
RT INTERFEROMETRY  
SLITS  
SPECKLE INTERFEROMETRY

### FRESNEL REGION

GS REGIONS  
    . **FRESNEL REGION**  
RT ANTENNA RADIATION PATTERNS  
DIFFRACTION PATTERNS  
FAR FIELDS

### FRESNEL-KIRCHHOFF INTEGRALS

USE FRESNEL INTEGRALS

### FRETTING

RT EROSION  
FATIGUE (MATERIALS)  
TRIBOLOGY  
WEAR TESTS

### FRETTING CORROSION

GS CORROSION  
    . **FRETTING CORROSION**  
RT FATIGUE (MATERIALS)  
STRESS CORROSION  
WEAR

### FRICTION

GS **FRICTION**  
    . DRY FRICTION  
    . FLOW RESISTANCE  
    . FRICTION DRAG  
    . . . . AERODYNAMIC DRAG  
    . . . . SUPERSONIC DRAG  
    . . . . VISCOUS DRAG  
    . INTERNAL FRICTION  
    . KINETIC FRICTION  
    . SLIDING FRICTION  
    . SKIN FRICTION  
    . FRICTION DRAG  
    . . . . AERODYNAMIC DRAG  
    . . . . SUPERSONIC DRAG  
    . . . . VISCOUS DRAG  
    . STATIC FRICTION  
RT ABRASION  
COEFFICIENT OF FRICTION  
DRAG  
DRAG REDUCTION  
ENERGY DISSIPATION  
FLUID FLOW  
MECHANICAL IMPEDANCE  
    . PRESSURE DROP  
SCORING  
SURFACE PROPERTIES  
SURFACE ROUGHNESS  
TRACTION  
TRIBOLOGY  
TRIBOLUMINESCENCE  
WEAR  
WEAR TESTS  
WHEEL BRAKES

### FRICTION COEFFICIENT

USE COEFFICIENT OF FRICTION

### FRICTION DRAG

UF NONEQUILIBRIUM DRAG  
GS DYNAMIC CHARACTERISTICS  
    . DRAG  
    . **FRICTION DRAG**  
    . . . . AERODYNAMIC DRAG  
    . . . . SUPERSONIC DRAG  
    . . . . VISCOUS DRAG  
FRICTION  
    . FLOW RESISTANCE  
    . **FRICTION DRAG**  
    . . . . AERODYNAMIC DRAG  
    . . . . SUPERSONIC DRAG  
    . . . . VISCOUS DRAG  
    . SKIN FRICTION  
    . **FRICTION DRAG**  
    . . . . AERODYNAMIC DRAG  
    . . . . SUPERSONIC DRAG  
    . . . . VISCOUS DRAG  
RT MINIMUM DRAG  
PRESSURE DRAG  
SATELLITE DRAG  
SURFACE ROUGHNESS EFFECTS  
WAVE DRAG

### FRICTION FACTOR

UF FRICTION LOSS COEFFICIENT  
RT COEFFICIENT OF FRICTION  
PRESSURE GRADIENTS  
SKIN FRICTION

### FRICTION LOSS COEFFICIENT

USE FRICTION FACTOR

### FRICTION MEASUREMENT

GS MECHANICAL MEASUREMENT  
    . **FRICTION MEASUREMENT**  
RT ELASTOHYDRODYNAMICS  
KINETIC FRICTION  
    . MEASUREMENT  
STATIC FRICTION

### FRICTION PRESSURE DROP

USE SKIN FRICTION

### FRICTION REDUCTION

RT ANTIFRICTION BEARINGS  
COEFFICIENT OF FRICTION  
LUBRICATION  
    . REDUCTION  
    . STREAMLINING

### FRICTION WELDING

GS WELDING  
    . **FRICTION WELDING**  
RT PRESSURE WELDING

### FRICTIONLESS ENVIRONMENTS

GS ENVIRONMENTS  
    . **FRICTIONLESS ENVIRONMENTS**  
RT DEEP SPACE  
LEVITATION

### FRIEDEL-CRAFT REACTION

GS CHEMICAL REACTIONS  
    . **FRIEDEL-CRAFT REACTION**  
RT ACYLATION  
ALKYLATION

### FRIENDSHIP 7

GS MANNED SPACECRAFT  
    . MERCURY SPACECRAFT  
    . **FRIENDSHIP 7**  
REENTRY VEHICLES  
    . RECOVERABLE SPACECRAFT  
    . MERCURY SPACECRAFT  
    . **FRIENDSHIP 7**  
SOFT LANDING SPACECRAFT  
    . MERCURY SPACECRAFT  
    . **FRIENDSHIP 7**  
SPACE CAPSULES  
    . MERCURY SPACECRAFT  
    . **FRIENDSHIP 7**  
RT MERCURY MA-6 FLIGHT

### FRINGE MULTIPLICATION

RT DIFFRACTION PATTERNS  
INTERFERENCE GRATING  
MOIRE EFFECTS  
MOIRE FRINGES  
MULTIPLICATION  
PHOTOELASTIC ANALYSIS  
STRESS ANALYSIS  
STRESS CONCENTRATION

### FRINGE PATTERNS

USE DIFFRACTION PATTERNS

### FRIT

RT CERAMICS  
FUSION (MELTING)  
GLAZES  
VITREOUS MATERIALS

### FROGS

GS ANIMALS  
    . VERTEBRATES  
    . AMPHIBIA  
    . **FROGS**

### FRONTAL AREAS (METEOROLOGY)

USE FRONTS (METEOROLOGY)

### FRONTAL WAVES

RT OCEAN CURRENTS  
OCEANOGRAPHY  
TSUNAMI WAVES  
WATER WAVES  
    . WAVES

### FRONTS

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)*  
RT COLD FRONTS  
FRONTS (METEOROLOGY)  
SHOCK FRONTS  
WARM FRONTS  
WAVE FRONTS

### FRONTS (METEOROLOGY)

UF FRONTAL AREAS (METEOROLOGY)  
WEATHER FRONTS  
GS **FRONTS (METEOROLOGY)**  
    . COLD FRONTS  
    . WARM FRONTS

## FROST

### FRONTS (METEOROLOGY)-(CONT.)

RT AIR MASSES  
ARC CLOUDS  
∞ FRONTS  
INTERTROPICAL CONVERGENT ZONES  
MARINE METEOROLOGY  
METEOROLOGICAL PARAMETERS  
METEOROLOGY  
STORMS  
SYNOPTIC METEOROLOGY  
THUNDERSTORMS  
TORNADOES

### FROST

RT BAY ICE  
DEW  
FREEZING  
ICE  
LOW TEMPERATURE

### FROST DAMAGE

GS DAMAGE  
FROST DAMAGE  
RT COLD WEATHER  
∞ CROPS  
FARM CROPS  
FRUITS  
LOW TEMPERATURE  
ORCHARDS  
PLANTS (BOTANY)

### FROSTBITE

GS INJURIES  
FROSTBITE  
RT COLD TOLERANCE

### FROUDE NUMBER

GS RATIOS  
DIMENSIONLESS NUMBERS  
FROUDE NUMBER  
RT FLUID FLOW  
INERTIA  
KINETIC ENERGY  
POTENTIAL ENERGY  
REYNOLDS NUMBER  
STROUHAL NUMBER

### FROZEN EQUILIBRIUM FLOW

GS FLUID FLOW  
GAS FLOW  
EQUILIBRIUM FLOW  
FROZEN EQUILIBRIUM FLOW  
RT SHIFTING EQUILIBRIUM FLOW

### FROZEN FOODS

RT ∞ FOOD  
FOOD PROCESSING  
FREEZE DRYING  
PRESERVING  
REFRIGERATING

### FROZEN SOILS

USE PERMAFROST

### FRUITS

GS FARM CROPS  
FRUITS  
RT AGRICULTURE  
BOLLWORMS  
BOTANY  
∞ FOOD  
FROST DAMAGE  
ORCHARDS

### FRUSTRATION

RT EMOTIONAL FACTORS  
EMOTIONS  
HANDICAPS  
∞ INHIBITION  
LETHARGY  
PSYCHOLOGICAL EFFECTS  
PSYCHOLOGY

### FRUSTUMS

RT CONES  
GEOMETRY  
PYRAMIDS  
VOLUME

### FUEL CAPSULES

RT ∞ CAPSULES  
NUCLEAR FUELS  
PELLETS  
SPENT FUELS

### FUEL CELL CATALYSTS

USE ELECTROCATALYSTS

### FUEL CELL POWER PLANTS

GS ELECTRIC POWER PLANTS  
FUEL CELL POWER PLANTS  
RT COAL GASIFICATION  
ENERGY TECHNOLOGY  
FUEL CELLS

### FUEL CELLS

SN (EXCLUDES BATTERIES)  
GS ELECTRIC GENERATORS  
DIRECT POWER GENERATORS  
FUEL CELLS  
BIOCHEMICAL FUEL CELLS  
HYDROGEN OXYGEN FUEL CELLS  
PHOSPHORIC ACID FUEL CELLS  
REGENERATIVE FUEL CELLS  
ELECTROCHEMICAL CELLS  
FUEL CELLS  
BIOCHEMICAL FUEL CELLS  
HYDROGEN OXYGEN FUEL CELLS  
PHOSPHORIC ACID FUEL CELLS  
REGENERATIVE FUEL CELLS  
RT ∞ CELLS  
CHEMICAL AUXILIARY POWER UNITS  
∞ ELECTRIC CELLS  
ELECTROCATALYSTS  
ELECTROCHEMISTRY  
ELECTROLYTES  
ENERGY CONVERSION EFFICIENCY  
ENERGY STORAGE  
FUEL CELL POWER PLANTS  
HYDROGEN FUELS  
HYDROGEN-BASED ENERGY  
ION EXCHANGE MEMBRANE  
ELECTROLYTES  
MAGNETOHYDRODYNAMIC GENERATORS  
SOLAR CELLS  
SOLAR GENERATORS  
THERMIONIC CONVERTERS  
THERMOELECTRIC GENERATORS  
WET CELLS

### FUEL COMBUSTION

GS COMBUSTION  
FUEL COMBUSTION  
NUCLEAR FUEL BURNUP  
RT COMBUSTION EFFICIENCY  
COMBUSTION STABILITY  
EROSIVE BURNING  
HYDROCARBON COMBUSTION  
HYPERSONIC COMBUSTION  
IGNITION  
METAL COMBUSTION  
OXIDATION  
PROPELLANT COMBUSTION  
SOLID PROPELLANT COMBUSTION  
SPONTANEOUS COMBUSTION  
SUPERSONIC COMBUSTION

### FUEL CONSUMPTION

GS CONSUMPTION  
FUEL CONSUMPTION  
RT BURNING RATE  
COMBUSTION EFFICIENCY  
ENERGY CONSUMPTION  
ENERGY REQUIREMENTS  
ENGINES  
INTERNAL COMBUSTION ENGINES  
REFUELING

### FUEL CONTAMINATION

GS CONTAMINATION  
FUEL CONTAMINATION  
RT ANTIAGING ADDITIVES  
CONTAMINANTS  
REFUELING

### FUEL CONTROL

RT COMBUSTION CONTROL  
∞ CONTROL  
ENGINE CONTROL  
FLUID MANAGEMENT  
LIQUID SLOSHING  
PROPELLANT TRANSFER  
REFUELING  
ROCKET ENGINE CONTROL  
TURBOJET ENGINE CONTROL

### FUEL CORROSION

GS CORROSION  
FUEL CORROSION  
RT PROPELLANT DECOMPOSITION

### FUEL CORROSION-(CONT.)

PROPELLANT STORABILITY

### FUEL ELEMENTS (NUCLEAR REACTORS)

USE NUCLEAR FUEL ELEMENTS

### FUEL FLOW

GS FLUID FLOW  
FUEL FLOW  
PROPELLANT TRANSFER  
RT COMBUSTIBLE FLOW  
DUCTED FLOW  
PARTICLE LADEN JETS

### FUEL FLOW REGULATORS

GS REGULATORS  
FLOW REGULATORS  
FUEL FLOW REGULATORS

### FUEL GAGES

GS MEASURING INSTRUMENTS  
FUEL GAGES  
CAPACITIVE FUEL GAGES  
RT FLOWMETERS

### FUEL INJECTION

UF INJECTION CARBURETORS  
GS INJECTION  
FUEL INJECTION  
RT BURNERS  
CARBURETORS  
FLUID INJECTION  
GAS INJECTION  
INJECTORS  
INTERNAL COMBUSTION ENGINES  
JET ENGINES  
JET MIXING FLOW  
∞ JET NOZZLES  
LIQUID INJECTION  
PISTON ENGINES  
PROPELLANT SPRAYS  
SPRAY NOZZLES

### FUEL OILS

GS FUELS  
CLEAN FUELS  
FUEL OILS  
OILS  
FUEL OILS  
RT ENERGY POLICY  
KEROGEN  
KEROSENE  
SHALE OIL  
SOLVENT REFINED COAL

### FUEL PRODUCTION

RT CHEMICAL FUELS  
COMPOSITE PROPELLANTS  
CRUDE OIL  
FISSION  
∞ FUSION  
HYDROCARBON FUELS  
HYDROGEN FUELS  
LIQUID FUELS  
NUCLEAR FUELS  
∞ PRODUCTION

### FUEL PUMPS

GS PUMPS  
FUEL PUMPS  
RT AIRCRAFT FUEL SYSTEMS  
AXIAL FLOW PUMPS  
CENTRIFUGAL PUMPS  
ELECTROMAGNETIC PUMPS  
INTERNAL COMBUSTION ENGINES  
JET ENGINES  
JET PUMPS  
MATERIALS HANDLING  
TURBINE PUMPS

### FUEL SPRAYS

RT LIQUID INJECTION  
PROPELLANT SPRAYS  
SPRAYERS

### FUEL SYSTEMS

GS FUEL SYSTEMS  
AIRCRAFT FUEL SYSTEMS  
RT ACCUMULATORS  
AUTOMOBILES  
BUNKERS (FUEL)  
CARBURETORS  
CHOKES (FUEL SYSTEMS)  
ENGINES

**FUEL SYSTEMS-(CONT.)**

FEEDERS  
FUELS  
INJECTORS  
INLET TEMPERATURE  
INTAKE SYSTEMS  
INTERNAL COMBUSTION ENGINES  
MANIFOLDS  
PLENUM CHAMBERS  
PROPELLANT TRANSFER  
REFUELING  
SELF SEALING  
SPRAY NOZZLES  
∞ SYSTEMS

**FUEL TANK PRESSURIZATION**

GS PRESSURIZING  
    . FUEL TANK PRESSURIZATION  
RT AIRCRAFT FUEL SYSTEMS  
EXHAUST SYSTEMS  
EXPULSION BLADDERS  
LIQUID ROCKET PROPELLANTS  
PRESSURE  
PRESSURE REGULATORS  
PRESSURE VESSELS  
PROPELLANT STORAGE  
PROPELLANT TANKS  
PROPULSION  
RELIEF VALVES  
ULLAGE  
VAPOR PRESSURE

**FUEL TANKS**

GS TANKS (CONTAINERS)  
    . FUEL TANKS  
    . WING TANKS  
RT AIRCRAFT FUEL SYSTEMS  
∞ CONTAINERS  
CORROSION PREVENTION  
CRYOGENIC FLUID STORAGE  
CYLINDRICAL TANKS  
EXPULSION BLADDERS  
EXTERNAL TANKS  
FEED SYSTEMS  
FUELS  
HEATING EQUIPMENT  
LIQUID SLOSHING  
PODS (EXTERNAL STORES)  
PRESSURE VESSELS  
PROPELLANT STORAGE  
PROPELLANT TANKS  
PROPELLANTS  
PROPULSION  
PROTUBERANCES  
SPACECRAFT STRUCTURES  
SPHERICAL TANKS  
STORAGE TANKS  
TANKER AIRCRAFT  
ULLAGE

**FUEL TESTS**

GS FUEL TESTS  
    . REACTOR STARTUP TESTS  
RT CHEMICAL ANALYSIS  
CORROSION TESTS  
ENGINE TESTS  
∞ MATERIALS TESTS  
MISSILE TESTS  
PROPELLANT TESTS  
STABILITY TESTS  
TEST FIRING  
∞ TESTS

**FUEL VALVES**

GS VALVES  
    . FUEL VALVES  
RT AIRCRAFT FUEL SYSTEMS  
GAS VALVES  
RELIEF VALVES

**FUEL-AIR RATIO**

GS RATIOS  
    . FUEL-AIR RATIO  
RT BURNING RATE  
COMBUSTION EFFICIENCY  
COMPRESSION RATIO  
GAS MIXTURES  
IGNITION LIMITS  
PREMIXING  
PRESSURE RATIO  
VOLUMETRIC EFFICIENCY

**FUELING**

USE REFUELING

**FUELS**

GS FUELS  
    . CHEMICAL FUELS  
    . ENDOTHERMIC FUELS  
    . HIGH ENERGY FUELS  
    . HYDROCARBON FUELS  
    . DIESEL FUELS  
    . GASOLINE  
    . JET ENGINE FUELS  
    . JP-4 JET FUEL  
    . JP-5 JET FUEL  
    . JP-6 JET FUEL  
    . JP-8 JET FUEL  
    . LIQUEFIED NATURAL GAS  
    . SYNTHANE  
    . LIQUID FUELS  
    . AIRCRAFT FUELS  
    . ANTIMISTING FUELS  
    . AUTOMOBILE FUELS  
    . DIESEL FUELS  
    . GASOLINE  
    . HYDROGEN FUELS  
    . JET ENGINE FUELS  
    . JP-4 JET FUEL  
    . JP-5 JET FUEL  
    . JP-6 JET FUEL  
    . JP-8 JET FUEL  
    . KEROSENE  
    . METAL FUELS  
    . SYNTHETIC FUELS  
    . GASOHOL (FUEL)  
    . SYNTHANE  
    . CLEAN FUELS  
    . FUEL OILS  
    . COKE  
    . FISSILE FUELS  
    . GASEOUS FUELS  
    . NATURAL GAS  
    . MONOPROPELLANTS  
    . AEROZINE  
    . NUCLEAR FUELS  
    . CERAMIC NUCLEAR FUELS  
    . FISSION  
RT SPENT FUELS  
BIOCONVERSION  
BURNING RATE  
CHARCOAL  
ENERGY POLICY  
ENERGY STORAGE  
FLAMES  
FUEL SYSTEMS  
FUEL TANKS  
GASES  
HYDROGEN  
HYDROGEN PRODUCTION  
KEROGEN  
LIQUID AMMONIA  
LIQUID HYDROGEN  
NUCLEAR FUEL ELEMENTS  
OILS  
OPERATING COSTS  
OXIDIZERS  
PREMIXING  
PROPELLANTS  
ROCKET PROPELLANTS  
SHALE OIL  
TRANSPORTATION ENERGY

**FUJITA METHOD**

RT COORDINATES  
∞ METHODOLOGY  
∞ TRANSFORMATIONS  
TRANSFORMATIONS (MATHEMATICS)

**FULL SCALE TESTS**

RT ALTITUDE TESTS  
ENGINE TESTS  
FLIGHT TESTS  
GROUND TESTS  
HIGH ALTITUDE TESTS  
∞ TESTS

**FULMINATES**

GS ESTERS  
    . ISOCYANATES  
    . FULMINATES  
    . NITROGEN COMPOUNDS  
    . CYANO COMPOUNDS  
    . ISOCYANATES  
    . FULMINATES  
RT DETONATORS  
EXPLOSIVES  
PROPELLANTS

**FUMES**

RT AEROSOLS  
DISPERSIONS  
DUST  
EXHAUST GASES  
FIRE DAMAGE  
GAS MIXTURES  
GASES  
HAZE DETECTION  
REACTION PRODUCTS  
SMOKE  
SMOKE DETECTORS  
VAPORS  
WASTES

**FUMIGATION**

RT ANTISEPTICS  
BACTERICIDES  
SPRAYING  
STERILIZATION

**FUNCTION GENERATORS**

GS SIGNAL GENERATORS  
    . FUNCTION GENERATORS  
RT ∞ GENERATORS  
PULSE GENERATORS  
VOLTAGE GENERATORS  
WAVE GENERATION

**FUNCTION SPACE**

GS ANALYSIS (MATHEMATICS)  
    . FUNCTION SPACE  
    . BANACH SPACE  
    . HILBERT SPACE  
    . SOBOLEV SPACE  
RT FIBERS (MATHEMATICS)  
FIELD THEORY (PHYSICS)  
FUNCTIONS (MATHEMATICS)  
ORTHOGONAL FUNCTIONS  
QUANTUM MECHANICS  
SERIES (MATHEMATICS)  
∞ SPACE  
STATISTICAL MECHANICS  
VECTORS (MATHEMATICS)

**FUNCTIONAL ANALYSIS**

GS ANALYSIS (MATHEMATICS)  
    . FUNCTIONAL ANALYSIS  
    . BANACH SPACE  
    . HILBERT SPACE  
    . SOBOLEV SPACE  
    . CONVOLUTION INTEGRALS  
    . HARMONIC ANALYSIS  
    . TESSERAL HARMONICS  
    . ZONAL HARMONICS  
    . INTEGRAL EQUATIONS  
    . FREDHOLM EQUATIONS  
    . J INTEGRAL  
    . SINGULAR INTEGRAL EQUATIONS  
    . VOLTERRA EQUATIONS  
    . WIENER HOPF EQUATIONS  
    . INTEGRAL TRANSFORMATIONS  
    . FOURIER TRANSFORMATION  
    . HILBERT TRANSFORMATION  
    . LAPLACE TRANSFORMATION  
RT COMPLEX VARIABLES  
FORM FACTORS  
FUNCTIONS (MATHEMATICS)  
SERIES (MATHEMATICS)  
WALSH FUNCTION

**FUNCTIONAL DESIGN SPECIFICATIONS**

GS SPECIFICATIONS  
    . FUNCTIONAL DESIGN SPECIFICATIONS  
RT AERONAUTICAL ENGINEERING  
∞ DESIGN  
EQUIPMENT SPECIFICATIONS  
MISSILE DESIGN  
PRODUCT DEVELOPMENT  
SYSTEMS ENGINEERING

**FUNCTIONAL INTEGRATION**

GS ANALYSIS (MATHEMATICS)  
    . REAL VARIABLES  
    . MEASURE AND INTEGRATION  
    . FUNCTIONAL INTEGRATION  
RT ANALOG COMPUTERS  
DIFFERENTIAL EQUATIONS  
DIGITAL INTEGRATORS  
PARTIAL DIFFERENTIAL EQUATIONS

**FUNCTIONALS**

RT ∞ FUNCTIONS  
FUNCTIONS (MATHEMATICS)  
INTEGRALS

## FUNCTIONS

### ∞ FUNCTIONS

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)

RT CONTRALATERAL FUNCTIONS  
FUNCTIONALS  
FUNCTIONS (MATHEMATICS)  
MUSCULAR FUNCTION  
PARENTERAL FUNCTIONS  
PENALTY FUNCTION  
PULMONARY FUNCTIONS  
RENAL FUNCTION  
SCATTERING FUNCTIONS  
WORK FUNCTIONS

### FUNCTIONS (MATHEMATICS)

GS **FUNCTIONS (MATHEMATICS)**  
ABEL FUNCTION  
AIRY FUNCTION  
ANALYTIC FUNCTIONS  
ENTIRE FUNCTIONS  
APERIODIC FUNCTIONS  
ASYMPTOTES  
BOOLEAN FUNCTIONS  
COMPOSITE FUNCTIONS  
CONFORMAL MAPPING  
COORDINATE TRANSFORMATIONS  
DELTA FUNCTION  
DISCRETE FUNCTIONS  
DISCRIMINANT ANALYSIS (STATISTICS)  
DISTRIBUTION FUNCTIONS  
DISTURBING FUNCTIONS  
ERROR FUNCTIONS  
FOURIER TRANSFORMATION  
FAST FOURIER TRANSFORMATIONS  
FOURIER-BESSEL TRANSFORMATIONS  
FRESNEL INTEGRALS  
GAMMA FUNCTION  
GREEN'S FUNCTIONS  
HAMILTONIAN FUNCTIONS  
HANKEL FUNCTIONS  
HARMONIC FUNCTIONS  
HYPERBOLIC FUNCTIONS  
HYPERGEOMETRIC FUNCTIONS  
KERNEL FUNCTIONS  
LAGUERRE FUNCTIONS  
LAME FUNCTIONS  
LAPLACE TRANSFORMATION  
LEGENDRE FUNCTIONS  
LIAPUNOV FUNCTIONS  
LINEAR TRANSFORMATIONS  
LORENTZ TRANSFORMATIONS  
MATHIEU FUNCTION  
MAXWELL-BOLTZMANN DENSITY FUNCTION  
MELLIN TRANSFORMS  
MEROMORPHIC FUNCTIONS  
ELLIPTIC FUNCTIONS  
RATIONAL FUNCTIONS  
MONOTONE FUNCTIONS  
ORTHOGONAL FUNCTIONS  
WALSH FUNCTION  
ORTHONORMAL FUNCTIONS  
PENALTY FUNCTION  
POINT SPREAD FUNCTIONS  
POISSON DENSITY FUNCTIONS  
PROBABILITY DENSITY FUNCTIONS  
NORMAL DENSITY FUNCTIONS  
PEARSON DISTRIBUTIONS  
RAYLEIGH DISTRIBUTION  
WEIBULL DENSITY FUNCTIONS  
PROBABILITY DISTRIBUTION FUNCTIONS  
RAMP FUNCTIONS  
RECURSIVE FUNCTIONS  
SCHWARZ-CHRISTOFFEL TRANSFORMATION  
SPACE-TIME FUNCTIONS  
SPHERICAL HARMONICS  
SPLINE FUNCTIONS  
STEP FUNCTIONS  
STRESS FUNCTIONS  
TIME FUNCTIONS  
TRANSCENDENTAL FUNCTIONS  
EXPONENTIAL FUNCTIONS  
LOGARITHMS  
PERIODIC FUNCTIONS  
TRIGONOMETRIC FUNCTIONS  
COSINE SERIES  
SINE SERIES  
TANGENTS  
TRANSFER FUNCTIONS  
MODULATION TRANSFER FUNCTION  
OPTICAL TRANSFER FUNCTION  
WEIGHTING FUNCTIONS  
WHITTAKER FUNCTIONS

### FUNCTIONS (MATHEMATICS)-(CONT.)

RT ALGEBRA  
∞ APPLICATIONS OF MATHEMATICS  
BRANCHING (MATHEMATICS)  
CALCULUS  
CONTINUITY (MATHEMATICS)  
DIVERGENCE  
EXTREMUM VALUES  
FUNCTION SPACE  
FUNCTIONAL ANALYSIS  
FUNCTIONALS  
∞ FUNCTIONS  
INFINITY  
INFLECTION POINTS  
LINEARITY  
MAPPING  
MATHEMATICAL LOGIC  
MATHEMATICAL MODELS  
∞ MATHEMATICS  
NONLINEARITY  
NUMBER THEORY  
NUMERICAL DIFFERENTIATION  
OPERATIONS RESEARCH  
OPERATORS (MATHEMATICS)  
RANDOM VARIABLES  
RANGE (EXTREMES)  
∞ TRANSFORMATIONS  
TRANSFORMATIONS (MATHEMATICS)

### FUNGAL DISEASES

SN (EXCLUDES PLANT DISEASES)  
GS DISEASES  
INFECTIOUS DISEASES  
FUNGAL DISEASES  
RT DERMATITIS  
FUNGI  
RESPIRATORY DISEASES

### FUNGI

GS PLANTS (BOTANY)  
FUNGI  
ASPERGILLUS  
COCCOMYCES  
GIBBERELLINS  
NEUROSPORA  
RHIZOPUS  
RUST FUNGI  
SACCHAROMYCES  
YEAST  
RT BLIGHT  
FUNGAL DISEASES  
LICHENS  
MICROSPORES  
MITRA  
MOLD  
PANSPERMIA  
PLANT DISEASES  
SPORES  
THERMOPHILES

### FUNGICIDES

GS FUNGICIDES  
XANTHINES  
CAFFEINE  
GUANINES  
URIC ACID  
RT ANTIINFECTIVES AND ANTIBACTERIALS  
TOXICOLOGY

### FUNNELS

RT CONICAL INLETS  
NOZZLES

### FURAN RESINS

GS PLASTICS  
SYNTHETIC RESINS  
THERMOSETTING RESINS  
FURAN RESINS  
POLYAMIDE RESINS  
KEVLAR (TRADEMARK)  
RESINS  
SYNTHETIC RESINS  
THERMOSETTING RESINS  
FURAN RESINS  
POLYAMIDE RESINS  
KEVLAR (TRADEMARK)  
RT ADHESIVES  
COATINGS

### FURANS

GS ORGANIC COMPOUNDS  
CYCLIC COMPOUNDS  
HETEROCYCLIC COMPOUNDS  
FURANS  
TETRAHYDROFURAN

### FURANS-(CONT.)

RT ∞ CHEMICAL COMPOUNDS  
PLASTICS  
SOLVENTS

### FURFURYL ALCOHOL

RT ALDEHYDES  
AROMATIC COMPOUNDS

### FURLABLE ANTENNAS

GS ANTENNAS  
FURLABLE ANTENNAS  
RT COMMUNICATION EQUIPMENT  
FOLDING STRUCTURES  
SATELLITE ANTENNAS  
SPACE COMMUNICATION  
SPACECRAFT ANTENNAS

### FURNACES

SN (EXCLUDES DOMESTIC HEATING EQUIPMENT)  
GS HEATING EQUIPMENT  
FURNACES  
ELECTRIC FURNACES  
IMAGE FURNACES  
SOLAR FURNACES  
VACUUM FURNACES  
RT BOILERS  
BURNERS  
CHEMICAL ENGINEERING  
CHEMICAL REACTORS  
CHIMNEYS  
COMBUSTION CHAMBERS  
CONTROLLED ATMOSPHERES  
CUPOLAS  
DRYING APPARATUS  
EXTRACTION  
FLUIDIZED BED PROCESSORS  
FOUNDRIES  
HEARTHES  
HEAT TREATMENT  
INCINERATORS  
INDUCTION HEATING  
MECHANICAL ENGINEERING  
MELTING  
METALLURGY  
MUFFLERS  
OVENS  
REFRATORIES  
SEPARATORS  
SINTERING  
WASTE ENERGY UTILIZATION

### FUSELAGE MOUNTING

USE AIRCRAFT PRODUCTION

### FUSELAGES

GS AIRCRAFT STRUCTURES  
FUSELAGES  
RT AIRCRAFT CONSTRUCTION MATERIALS  
AIRCRAFT PARTS  
AIRFRAMES  
BAYS (STRUCTURAL UNITS)  
BODY-WING AND TAIL CONFIGURATIONS  
CAMBER  
CENTERBODIES  
COCKPITS  
CYLINDRICAL BODIES  
HULLS (STRUCTURES)  
WING-FUSELAGE STORES

### ∞ FUSES

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
RT CIRCUIT BREAKERS  
CIRCUIT PROTECTION  
ELECTRIC FUSES  
FUSES (ORDNANCE)  
WARHEADS

### FUSES (ORDNANCE)

RT AMMUNITION  
CAPS (EXPLOSIVES)  
DETONATORS  
FUSES  
INITIATORS (EXPLOSIVES)  
WARHEADS  
WICKS

### FUSIBILITY

GS THERMODYNAMIC PROPERTIES  
THERMOPHYSICAL PROPERTIES  
FUSIBILITY  
RT ∞ PHYSICAL PROPERTIES

**FUSIBILITY-(CONT.)**

∞ RESISTANCE  
WELDING

**FUSIFORM SHAPES**

USE CONES

**∞ FUSION**

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)

RT FUEL PRODUCTION  
FUSION (MELTING)  
INERTIAL FUSION (REACTOR)  
LASER FUSION  
LIQUID-SOLID INTERFACES  
NUCLEAR FUSION

**FUSION (MELTING)**

GS PHASE TRANSFORMATIONS  
. MELTING  
. **FUSION (MELTING)**  
RT ADHESION  
FRIT  
FUSION WELDING  
HEAT OF FUSION  
∞ JOINING  
PHASE CHANGE MATERIALS

**FUSION REACTORS**

GS NUCLEAR REACTORS  
. **FUSION REACTORS**  
. SPHEROMAKS  
RT BETA FACTOR  
BLANKETS (FUSION REACTORS)  
BUMPY TORUSES  
FUSION-FISSION HYBRID REACTORS  
IMPACT FUSION  
INERTIAL FUSION (REACTOR)  
LIMITERS (FUSION REACTORS)  
MIRROR FUSION  
NUCLEAR FISSION  
NUCLEAR FUSION  
∞ REACTORS  
TANDEM MIRRORS  
THERMAL BARRIERS (PLASMA  
CONTROL)

**FUSION WEAPONS**

UF HYDROGEN BOMBS  
GS WEAPONS  
. **FUSION WEAPONS**  
RT LASER WEAPONS  
NUCLEAR FUSION

**FUSION WELDING**

GS WELDING  
. LASER WELDING  
. **FUSION WELDING**  
. GAS WELDING  
. BRAZING  
. LOW TEMPERATURE BRAZING  
RT ELECTRIC WELDING  
FLASH WELDING  
PRESSURE WELDING  
SPOT WELDS

**FUSION-FISSION HYBRID REACTORS**

GS NUCLEAR REACTORS  
. **FUSION-FISSION HYBRID REACTORS**  
RT FUSION REACTORS  
NUCLEAR FISSION  
NUCLEAR FUSION  
∞ REACTORS

**FUZZY SETS**

RT ALGORITHMS  
FUZZY SYSTEMS  
SET THEORY

**FUZZY SYSTEMS**

RT ALGORITHMS  
FUZZY SETS  
PROBABILITY THEORY  
SET THEORY  
SYSTEM IDENTIFICATION  
∞ SYSTEMS  
SYSTEMS ANALYSIS

**FV-12A AIRCRAFT**

GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. **FV-12A AIRCRAFT**  
V/STOL AIRCRAFT

**FV-12A AIRCRAFT-(CONT.)**

. **FV-12A AIRCRAFT**  
RT ∞ AIRCRAFT  
∞ MILITARY AIRCRAFT

**F4H AIRCRAFT**

USE F-4 AIRCRAFT

**F8U AIRCRAFT**

USE F-8 AIRCRAFT

**F9F AIRCRAFT**

USE F-9 AIRCRAFT

**G****G FORCE**

USE ACCELERATION (PHYSICS)

**G STARS**

GS CELESTIAL BODIES  
. STARS  
. **G STARS**  
. SUN  
RT DWARF STARS  
F STARS  
GIANT STARS  
MAIN SEQUENCE STARS  
STELLAR SPECTRA

**G-1 AIRCRAFT**

UF NAVION G-1 AIRCRAFT  
NAVION RANGEMASTER AIRCRAFT  
RANGEMASTER AIRCRAFT  
GS GENERAL AVIATION AIRCRAFT  
. **G-1 AIRCRAFT**  
LIGHT AIRCRAFT  
. **G-1 AIRCRAFT**  
MONOPLANES  
. **G-1 AIRCRAFT**  
NAVION AIRCRAFT  
. **G-1 AIRCRAFT**  
PASSENGER AIRCRAFT  
. **G-1 AIRCRAFT**  
TRANSPORT AIRCRAFT  
. **G-1 AIRCRAFT**  
RT ∞ AIRCRAFT

**G-91 AIRCRAFT**

UF FIAT G-91 AIRCRAFT  
GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. **G-91 AIRCRAFT**  
FIAT AIRCRAFT  
. **G-91 AIRCRAFT**  
JET AIRCRAFT  
. **G-91 AIRCRAFT**  
LIGHT AIRCRAFT  
. **G-91 AIRCRAFT**  
MONOPLANES  
. **G-91 AIRCRAFT**  
OBSERVATION AIRCRAFT  
. **G-91 AIRCRAFT**  
RECONNAISSANCE AIRCRAFT  
. **G-91 AIRCRAFT**  
TRAINING AIRCRAFT  
. **G-91 AIRCRAFT**  
RT ∞ AIRCRAFT

**G-95/4 AIRCRAFT**

UF FIAT G-95/4 AIRCRAFT  
GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. **G-95/4 AIRCRAFT**  
FIAT AIRCRAFT  
. **G-95/4 AIRCRAFT**  
JET AIRCRAFT  
. **G-95/4 AIRCRAFT**  
MONOPLANES  
. **G-95/4 AIRCRAFT**  
OBSERVATION AIRCRAFT  
. **G-95/4 AIRCRAFT**  
RECONNAISSANCE AIRCRAFT  
. **G-95/4 AIRCRAFT**  
SUPERSONIC AIRCRAFT  
. **G-95/4 AIRCRAFT**  
V/STOL AIRCRAFT  
. **G-95/4 AIRCRAFT**  
RT ∞ AIRCRAFT

**G-222 AIRCRAFT**

UF FIAT G-222 AIRCRAFT  
GS FIAT AIRCRAFT  
. **G-222 AIRCRAFT**  
JET AIRCRAFT  
. TURBOPROP AIRCRAFT  
. **G-222 AIRCRAFT**  
MONOPLANES  
. **G-222 AIRCRAFT**  
PASSENGER AIRCRAFT  
. **G-222 AIRCRAFT**  
TRANSPORT AIRCRAFT  
. **G-222 AIRCRAFT**  
V/STOL AIRCRAFT  
. **G-222 AIRCRAFT**  
RT ∞ AIRCRAFT

**GA-5 AIRCRAFT**

UF GLOSTER GA-5 AIRCRAFT  
JAVELIN AIRCRAFT  
GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. **GA-5 AIRCRAFT**  
HAWKER SIDDELEY AIRCRAFT  
. **GA-5 AIRCRAFT**  
JET AIRCRAFT  
. **GA-5 AIRCRAFT**  
MONOPLANES  
. **GA-5 AIRCRAFT**  
RT ∞ AIRCRAFT  
DELTA WINGS

**GABBRO**

GS ROCKS  
. IGNEOUS ROCKS  
. **GABBRO**  
RT ANORTHOSITE  
LUNAR ROCKS

**GABON**

GS NATIONS  
. **GABON**  
RT AFRICA

**GADOLINIUM**

GS CHEMICAL ELEMENTS  
. RARE EARTH ELEMENTS  
. **GADOLINIUM**  
. GADOLINIUM ISOTOPES  
METALS  
. RARE EARTH ELEMENTS  
. **GADOLINIUM**  
. GADOLINIUM ISOTOPES

**GADOLINIUM ALLOYS**

GS ALLOYS  
. RARE EARTH ALLOYS  
. **GADOLINIUM ALLOYS**  
RT METALS

**GADOLINIUM ISOTOPES**

GS CHEMICAL ELEMENTS  
. NUCLIDES  
. ISOTOPES  
. **GADOLINIUM ISOTOPES**  
. RARE EARTH ELEMENTS  
. GADOLINIUM  
. **GADOLINIUM ISOTOPES**  
METALS  
. RARE EARTH ELEMENTS  
. GADOLINIUM  
. **GADOLINIUM ISOTOPES**

**GAGES**

USE MEASURING INSTRUMENTS

**GAIN (AMPLIFICATION)**

USE AMPLIFICATION

**GALACTIC CLUSTERS**

GS CELESTIAL BODIES  
. GALAXIES  
. **GALACTIC CLUSTERS**  
. LOCAL GROUP (ASTRONOMY)  
. ANDROMEDA GALAXY  
. VIRGO GALACTIC CLUSTER  
RT AGGLOMERATION  
∞ CLUSTERS  
COOLING FLOWS (ASTROPHYSICS)  
DISK GALAXIES  
ELLIPTICAL GALAXIES  
METALLICITY  
MISSING MASS (ASTROPHYSICS)  
STAR CLUSTERS



## GALACTIC COSMIC RAYS

### GALACTIC CLUSTERS-(CONT.)

STAR DISTRIBUTION  
STELLAR SYSTEMS

### GALACTIC COSMIC RAYS

GS EXTRATERRESTRIAL RADIATION  
 . GALACTIC RADIATION  
 . . GALACTIC COSMIC RAYS  
 IONIZING RADIATION  
 . COSMIC RAYS  
 . . GALACTIC COSMIC RAYS  
 RT ENERGETIC PARTICLES  
 SOLAR ACTIVITY EFFECTS  
 SOLAR WIND

### GALACTIC EVOLUTION

GS EVOLUTION (DEVELOPMENT)  
 . GALACTIC EVOLUTION  
 RT ASTROPHYSICS  
 BIG BANG COSMOLOGY  
 COOLING FLOWS (ASTROPHYSICS)  
 COSMOLOGY  
 DARK MATTER  
 DISK GALAXIES  
 GALACTIC MASS  
 STAR DISTRIBUTION  
 STAR FORMATION RATE  
 STELLAR EVOLUTION  
 STELLAR MASS ACCRETION

### GALACTIC MAGNETIC FIELDS

USE INTERSTELLAR MAGNETIC FIELDS

### GALACTIC MASS

GS MASS  
 . GALACTIC MASS  
 RT GALACTIC EVOLUTION  
 GALACTIC STRUCTURE  
 MASS DISTRIBUTION  
 STELLAR MASS

### GALACTIC NUCLEI

GS GALACTIC NUCLEI  
 . ACTIVE GALACTIC NUCLEI  
 RT ABSORPTION SPECTRA  
 ACCRETION DISKS  
 ACTIVE GALAXIES  
 DISK GALAXIES  
 RADIO JETS (ASTRONOMY)  
 RADIO SOURCES (ASTRONOMY)  
 SEYFERT GALAXIES  
 STARBURST GALAXIES

### GALACTIC RADIATION

GS EXTRATERRESTRIAL RADIATION  
 . GALACTIC RADIATION  
 . . GALACTIC COSMIC RAYS  
 . . GALACTIC RADIO WAVES  
 . . . NORTH POLAR SPUR (ASTRONOMY)  
 RT ACTIVE GALACTIC NUCLEI  
 ACTIVE GALAXIES  
 BRIGHTNESS DISTRIBUTION  
 CORPUSCULAR RADIATION  
 COSMIC NOISE  
 COSMIC RAYS  
 COSMIC X RAYS  
 ELECTROMAGNETIC RADIATION  
 GAMMA RAY ASTRONOMY  
 GAMMA RAY BURSTS  
 HUBBLE DIAGRAM  
 INTERSTELLAR RADIATION  
 IRREGULAR GALAXIES  
 MASS TO LIGHT RATIOS  
 NONTHERMAL RADIATION  
 ∞ RADIATION  
 RADIATIVE TRANSFER  
 SOLAR RADIATION 1 SATELLITE  
 SOLAR RADIATION 3 SATELLITE  
 STELLAR RADIATION  
 UHURU SATELLITE

### GALACTIC RADIATION EXP BACKGROUND SATS

USE GREB SATELLITES

### GALACTIC RADIO WAVES

GS ELECTROMAGNETIC RADIATION  
 . RADIO WAVES  
 . . EXTRATERRESTRIAL RADIO WAVES  
 . . . GALACTIC RADIO WAVES  
 EXTRATERRESTRIAL RADIATION  
 . EXTRATERRESTRIAL RADIO WAVES  
 . . GALACTIC RADIO WAVES  
 . . . NORTH POLAR SPUR (ASTRONOMY)  
 . GALACTIC RADIATION  
 . . GALACTIC RADIO WAVES

### GALACTIC RADIO WAVES-(CONT.)

. . . NORTH POLAR SPUR (ASTRONOMY)  
 RT COSMIC NOISE  
 RADIO JETS (ASTRONOMY)

### GALACTIC ROTATION

RT COROTATION  
 DISK GALAXIES  
 HYDROGEN CLOUDS  
 IRREGULAR GALAXIES  
 STELLAR MOTIONS  
 STELLAR SYSTEMS  
 VELOCITY DISTRIBUTION

### GALACTIC STRUCTURE

RT BARRED GALAXIES  
 COROTATION  
 DENSITY WAVE MODEL  
 DISK GALAXIES  
 GALACTIC MASS  
 GALAXIES  
 IRREGULAR GALAXIES  
 MISSING MASS (ASTROPHYSICS)  
 STELLAR SYSTEMS  
 ∞ STRUCTURES

### GALACTOSE

GS ORGANIC COMPOUNDS  
 . CARBOHYDRATES  
 . . SUGARS  
 . . . MONOSACCHARIDES  
 . . . . HEXOSES  
 . . . . . GALACTOSE

### GALAXIES

GS CELESTIAL BODIES  
 . GALAXIES  
 . . ACTIVE GALAXIES  
 . . . MARKARIAN GALAXIES  
 . . . RADIO GALAXIES  
 . . . SEYFERT GALAXIES  
 . . DISK GALAXIES  
 . . DWARF GALAXIES  
 . . ELLIPTICAL GALAXIES  
 . . GALACTIC CLUSTERS  
 . . . LOCAL GROUP (ASTRONOMY)  
 . . . . ANDROMEDA GALAXY  
 . . . VIRGO GALACTIC CLUSTER  
 . . IRREGULAR GALAXIES  
 . . MAFFEI GALAXIES  
 . . MAGELLANIC CLOUDS  
 . . SPIRAL GALAXIES  
 . . . BARRED GALAXIES  
 . . . MILKY WAY GALAXY  
 . . STARBURST GALAXIES  
 RT BL LACERTAE OBJECTS  
 FAINT OBJECTS  
 GALACTIC STRUCTURE  
 GUM NEBULA  
 HUBBLE CONSTANT  
 HUBBLE DIAGRAM  
 METALLICITY  
 NEBULAE  
 ORION NEBULA  
 QUASARS  
 RADIO SOURCES (ASTRONOMY)  
 RED SHIFT  
 STAR CLUSTERS  
 STAR FORMATION RATE  
 STARS  
 STELLAR SYSTEMS

### GALAXY AIRCRAFT

USE C-5 AIRCRAFT

### GALERKIN METHOD

RT LINEARIZATION  
 ∞ METHODOLOGY

### GALILEAN SATELLITES

GS CELESTIAL BODIES  
 . NATURAL SATELLITES  
 . . JUPITER SATELLITES  
 . . . GALILEAN SATELLITES  
 . . . . CALLISTO  
 . . . . EUROPA  
 . . . . GANYMEDE  
 . . . . IO  
 RT CHARON  
 GALILEO PROJECT  
 GALILEO SPACECRAFT  
 ICY SATELLITES  
 JUPITER (PLANET)  
 TRITON

### GALILEO MISSION

USE GALILEO PROJECT

### GALILEO PROBE

GS INTERPLANETARY SPACECRAFT  
 . JUPITER PROBES  
 . . GALILEO PROBE  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . . JUPITER PROBES  
 . . . GALILEO PROBE  
 RT JUPITER (PLANET)  
 ∞ PROBES  
 ∞ SPACECRAFT

### GALILEO PROJECT

UF GALILEO MISSION  
 GS PROGRAMS  
 . NASA PROGRAMS  
 . . NASA SPACE PROGRAMS  
 . . . GALILEO PROJECT  
 . . . . PROJECTS  
 . . . GALILEO PROJECT  
 . . . . SPACE PROGRAMS  
 . . . . NASA SPACE PROGRAMS  
 . . . . . GALILEO PROJECT  
 RT AMPHITRITE ASTEROID  
 ATMOSPHERIC ENTRY  
 FLYBY MISSIONS  
 GALILEAN SATELLITES  
 JUPITER ATMOSPHERE  
 JUPITER PROBES

### GALILEO SPACECRAFT

GS INTERPLANETARY SPACECRAFT  
 . JUPITER PROBES  
 . . GALILEO SPACECRAFT  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . . JUPITER PROBES  
 . . . GALILEO SPACECRAFT  
 RT FLYBY MISSIONS  
 GALILEAN SATELLITES  
 JUPITER (PLANET)  
 ∞ MISSIONS  
 ∞ SPACECRAFT

### GALL

RT DIGESTIVE SYSTEM  
 GASTROINTESTINAL SYSTEM  
 SECRETIONS

### GALLAMINE TRIETHIODIDE

GS AMINES  
 . GALLAMINE TRIETHIODIDE  
 ETHERS  
 . GALLAMINE TRIETHIODIDE  
 HALOGEN COMPOUNDS  
 . IODINE COMPOUNDS  
 . . IODIDES  
 . . . GALLAMINE TRIETHIODIDE

### GALLATES

GS GALLIUM COMPOUNDS  
 . GALLATES  
 . . SODIUM GALLATES

### GALLIUM

GS CHEMICAL ELEMENTS  
 . GALLIUM  
 . . GALLIUM ISOTOPES  
 METALS  
 . GALLIUM  
 . . GALLIUM ISOTOPES

### GALLIUM ALLOYS

GS ALLOYS  
 . GALLIUM ALLOYS  
 RT ALUMINUM ALLOYS  
 INDIUM ALLOYS  
 SUPERCONDUCTIVITY

### GALLIUM ANTIMONIDES

GS ANTIMONY COMPOUNDS  
 . ANTIMONIDES  
 . . GALLIUM ANTIMONIDES  
 GALLIUM COMPOUNDS  
 . GALLIUM ANTIMONIDES

### GALLIUM ARSENIDE LASERS

GS ELECTRONIC EQUIPMENT  
 . SOLID STATE DEVICES  
 . . SEMICONDUCTOR DEVICES  
 . . . SEMICONDUCTOR LASERS

## GAMMA RAY OBSERVATORY

### GALLIUM ARSENIDE LASERS-(CONT.)

GS . . . . GALLIUM ARSENIDE LASERS  
 . . . . SOLID STATE LASERS  
 . . . . GALLIUM ARSENIDE LASERS  
 STIMULATED EMISSION DEVICES  
 . LASERS  
 . . SEMICONDUCTOR LASERS  
 . . . . GALLIUM ARSENIDE LASERS  
 . . . . SOLID STATE LASERS  
 . . . . GALLIUM ARSENIDE LASERS  
 RT INJECTION LASERS  
 STIMULATED EMISSION  
 WAVEGUIDE LASERS

### GALLIUM ARSENIDES

GS ARSENIC COMPOUNDS  
 . ARSENIDES  
 . . GALLIUM ARSENIDES  
 . . . ALUMINUM GALLIUM ARSENIDES  
 GALLIUM COMPOUNDS  
 . GALLIUM ARSENIDES  
 . . ALUMINUM GALLIUM ARSENIDES  
 RT GUNN DIODES  
 HETEROJUNCTION DEVICES  
 INJECTION LASERS  
 MODFETS  
 NEGATIVE CONDUCTANCE  
 NEGATIVE ELECTRON AFFINITY  
 NEGATIVE RESISTANCE DEVICES  
 SCHOTTKY DIODES  
 SEMICONDUCTOR LASERS  
 SUPERLATTICES  
 TRANSFERRED ELECTRON DEVICES

### GALLIUM COMPOUNDS

GS GALLIUM COMPOUNDS  
 . GALLATES  
 . . SODIUM GALLATES  
 . GALLIUM ANTIMONIDES  
 . GALLIUM ARSENIDES  
 . . ALUMINUM GALLIUM ARSENIDES  
 . GALLIUM NITRIDES  
 . GALLIUM OXIDES  
 . GALLIUM PHOSPHIDES  
 . GALLIUM SELENIDES  
 RT ∞CHEMICAL COMPOUNDS  
 ∞GROUP 3A COMPOUNDS  
 ∞METAL COMPOUNDS

### GALLIUM ISOTOPES

GS CHEMICAL ELEMENTS  
 . GALLIUM  
 . . GALLIUM ISOTOPES  
 . . NUCLIDES  
 . . ISOTOPES  
 . . . GALLIUM ISOTOPES  
 METALS  
 . GALLIUM  
 . . GALLIUM ISOTOPES

### GALLIUM NITRIDES

GS GALLIUM COMPOUNDS  
 . GALLIUM NITRIDES  
 NITROGEN COMPOUNDS  
 . NITRIDES  
 . . METAL NITRIDES  
 . . . GALLIUM NITRIDES  
 RT SEMICONDUCTORS (MATERIALS)

### GALLIUM OXIDES

GS CHALCOGENIDES  
 . OXIDES  
 . . METAL OXIDES  
 . . . GALLIUM OXIDES  
 GALLIUM COMPOUNDS  
 . GALLIUM OXIDES

### GALLIUM PHOSPHIDES

GS GALLIUM COMPOUNDS  
 . GALLIUM PHOSPHIDES  
 PHOSPHORUS COMPOUNDS  
 . PHOSPHIDES  
 . . GALLIUM PHOSPHIDES

### GALLIUM SELENIDES

GS CHALCOGENIDES  
 . SELENIDES  
 . . GALLIUM SELENIDES  
 GALLIUM COMPOUNDS  
 . GALLIUM SELENIDES  
 SELENIUM COMPOUNDS  
 . SELENIDES  
 . . GALLIUM SELENIDES

### GALVANIC CELLS

USE ELECTROLYTIC CELLS

### GALVANIC SKIN RESPONSE

UF ELECTRODERMAL RESPONSE  
 GS RESPONSES  
 . GALVANIC SKIN RESPONSE  
 RT ELECTRICAL RESISTANCE  
 LIES

### GALVANIZING

USE ZINC COATINGS

### GALVANOMAGNETIC EFFECTS

UF GALVANOMAGNETISM  
 GS GALVANOMAGNETIC EFFECTS  
 . NERNST-ETTINGSHAUSEN EFFECT  
 RT ∞EFFECTS  
 HALL EFFECT

### GALVANOMAGNETISM

USE GALVANOMAGNETIC EFFECTS

### GALVANOMETERS

GS MEASURING INSTRUMENTS  
 . GALVANOMETERS  
 RT AMMETERS  
 ELECTROMETERS  
 MICROMILLIAMMETERS  
 MILLIVOLTMETERS  
 THERMOCOUPLE PYROMETERS

### GAMBIA

GS NATIONS  
 . GAMBIA  
 RT AFRICA

### GAME THEORY

GS GAME THEORY  
 . SADDLE POINTS (GAME THEORY)  
 RT DECISION THEORY  
 DEPLOYMENT  
 INFORMATION THEORY  
 LINEAR PROGRAMMING  
 MARTINGALES  
 MATHEMATICAL MODELS  
 MATHEMATICAL PROGRAMMING  
 MINIMAX TECHNIQUE  
 MONTE CARLO METHOD  
 OPERATIONS RESEARCH  
 PROBABILITY THEORY  
 RISK  
 SADDLE POINTS  
 SIMULATION  
 STATISTICAL ANALYSIS  
 STATISTICAL DECISION THEORY  
 STOCHASTIC PROCESSES  
 STRATEGY  
 ∞THEORIES  
 WAR GAMES

### GAMETOCYTES

UF OOCYTES  
 SPERMATOCYTES  
 GS CELLS (BIOLOGY)  
 . GAMETOCYTES  
 . . EGGS  
 . . SPERMATOZOA  
 RT SPERMATOGENESIS

### GAMMA FUNCTION

GS ANALYSIS (MATHEMATICS)  
 . COMPLEX VARIABLES  
 . . GAMMA FUNCTION  
 FUNCTIONS (MATHEMATICS)  
 . GAMMA FUNCTION  
 RT FACTORIALS  
 STATISTICAL DISTRIBUTIONS

### GAMMA GLOBULIN

GS ANTIBODIES  
 . GAMMA GLOBULIN  
 BIOPOLYMERS  
 . PROTEINS  
 . . GLOBULINS  
 . . . GAMMA GLOBULIN  
 ORGANIC COMPOUNDS  
 . PROTEINS  
 . . GLOBULINS  
 . . . GAMMA GLOBULIN

### GAMMA RADIATION

USE GAMMA RAYS

### GAMMA RAY ABSORPTIOMETRY

GS DENSITY MEASUREMENT  
 . GAMMA RAY ABSORPTIOMETRY  
 RT ABSORPTION SPECTRA  
 DENSITOMETERS  
 ELECTROMAGNETIC ABSORPTION  
 ENERGY ABSORPTION  
 ∞MEASUREMENT  
 PHOTON ABSORPTIOMETRY  
 RADIATION ABSORPTION

### GAMMA RAY ABSORPTION

GS ENERGY ABSORPTION  
 . RADIATION ABSORPTION  
 . . ELECTROMAGNETIC ABSORPTION  
 . . . GAMMA RAY ABSORPTION  
 RT ∞ABSORPTION  
 ELECTROMAGNETIC PROPERTIES  
 ELECTROMAGNETIC RADIATION  
 IONIZING RADIATION  
 NUCLEAR RADIATION  
 PHOTON ABSORPTIOMETRY

### GAMMA RAY ASTRONOMY

GS ASTRONOMY  
 . GAMMA RAY ASTRONOMY  
 RT ASTROPHYSICS  
 COSMIC X RAYS  
 ENERGY SPECTRA  
 GALACTIC RADIATION  
 GAMMA RAY BURSTS  
 GAMMA RAY TELESCOPES  
 RADIO ASTRONOMY  
 X RAY ASTRONOMY

### GAMMA RAY ASTRONOMY EXPLORER

USE EXPLORER 11 SATELLITE

### GAMMA RAY BEAMS

GS BEAMS (RADIATION)  
 . GAMMA RAY BEAMS  
 ELECTROMAGNETIC RADIATION  
 . GAMMA RAY BEAMS  
 IONIZING RADIATION  
 . GAMMA RAY BEAMS  
 NUCLEAR RADIATION  
 . GAMMA RAY BEAMS  
 RT PHOTON BEAMS  
 RADIOACTIVE DECAY

### GAMMA RAY BURSTS

UF COSMIC GAMMA RAY BURSTS  
 GS BURSTS  
 . GAMMA RAY BURSTS  
 ELECTROMAGNETIC RADIATION  
 . GAMMA RAYS  
 . . GAMMA RAY BURSTS  
 EXTRATERRESTRIAL RADIATION  
 . GAMMA RAY BURSTS  
 IONIZING RADIATION  
 . COSMIC RAYS  
 . . GAMMA RAY BURSTS  
 . GAMMA RAYS  
 . . GAMMA RAY BURSTS  
 NUCLEAR RADIATION  
 . GAMMA RAYS  
 . . . GAMMA RAY BURSTS  
 RT BIG BANG COSMOLOGY  
 BREMSSTRAHLUNG  
 CERENKOV RADIATION  
 COSMIC X RAYS  
 GALACTIC RADIATION  
 GAMMA RAY ASTRONOMY  
 INTERSTELLAR RADIATION  
 NUCLEAR PARTICLES  
 RADIANT FLUX DENSITY  
 STELLAR RADIATION  
 X RAY ASTRONOMY

### GAMMA RAY LASERS

GS STIMULATED EMISSION DEVICES  
 . LASERS  
 . . GAMMA RAY LASERS  
 RT COHERENT LIGHT  
 LIGHT TRANSMISSION  
 OPTICAL PUMPING  
 PULSED RADIATION

### GAMMA RAY OBSERVATORY

GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . ASTRONOMICAL SATELLITES  
 . . . GAMMA RAY OBSERVATORY  
 OBSERVATORIES  
 . ASTRONOMICAL OBSERVATORIES

## GAMMA RAY SPECTRA

### GAMMA RAY OBSERVATORY-(CONT.)

... ASTRONOMICAL SATELLITES  
... **GAMMA RAY OBSERVATORY**  
RT GAMMA RAY TELESCOPES  
OGO  
SPACEBORNE ASTRONOMY  
SPACEBORNE TELESCOPES

### GAMMA RAY SPECTRA

GS SPECTRA  
... RADIATION SPECTRA  
... ELECTROMAGNETIC SPECTRA  
... **GAMMA RAY SPECTRA**  
RT EMISSION SPECTRA  
IONIZING RADIATION

### GAMMA RAY SPECTROMETERS

GS MEASURING INSTRUMENTS  
... SPECTROMETERS  
... **GAMMA RAY SPECTROMETERS**  
RT OPTICAL MEASUREMENT  
SOLAR MAXIMUM MISSION  
SPECTRA  
SPECTRUM ANALYSIS

### GAMMA RAY TELESCOPES

GS TELESCOPES  
... **GAMMA RAY TELESCOPES**  
RT COSMIC RAYS  
GAMMA RAY ASTRONOMY  
GAMMA RAY OBSERVATORY

### GAMMA RAYS

SN (EMITTED BY NUCLEI)  
UF GAMMA RADIATION  
GS ELECTROMAGNETIC RADIATION  
... **GAMMA RAYS**  
... GAMMA RAY BURSTS  
IONIZING RADIATION  
... **GAMMA RAYS**  
... GAMMA RAY BURSTS  
NUCLEAR RADIATION  
... **GAMMA RAYS**  
... GAMMA RAY BURSTS  
BREMSSTRAHLUNG  
CERENKOV RADIATION  
COSMIC RAYS  
COSMIC X RAYS  
DECAY  
EMISSION SPECTRA  
FLUX (RATE)  
FLUX DENSITY  
MONOCHROMATIC RADIATION  
MOSSBAUER EFFECT  
PHOTOMAGNETIC EFFECTS  
PHOTONS  
... RADIATION  
RADIATION EFFECTS  
RADIATION SHIELDING  
RADIOACTIVE DECAY  
RADIOACTIVITY  
... RAYS  
TRANSVERSE OSCILLATION  
TRANSVERSE WAVES  
X RAYS

### GANGLIA

GS ANATOMY  
... NERVOUS SYSTEM  
... NERVES  
... **GANGLIA**  
RT CELLS (BIOLOGY)  
NEUROGLIA  
NEUROPHYSIOLOGY

### GANTRIES

USE GANTRY CRANES

### GANTRY CRANES

UF GANTRIES  
GS HANDLING EQUIPMENT  
... CRANES  
... **GANTRY CRANES**  
RT GROUND SUPPORT EQUIPMENT  
LAUNCHING PADS  
LAUNCHING SITES  
UMBILICAL TOWERS

### GANYMEDE

GS CELESTIAL BODIES  
... NATURAL SATELLITES  
... ICY SATELLITES  
... **GANYMEDE**  
... JUPITER SATELLITES  
... GALILEAN SATELLITES

### GANYMEDE-(CONT.)

... **GANYMEDE**  
RT CALLISTO  
CHARON  
IO  
JUPITER (PLANET)

### GAPS

GS **GAPS**  
... ENERGY GAPS (SOLID STATE)  
... SPARK GAPS  
RT ... ARRESTERS  
... BREAKDOWN  
... HOLES  
OPENINGS  
ORIFICES  
PASSAGEWAYS  
QUANTUM WELLS  
... TUNNELS

### GAPS (GEOLOGY)

UF COLS  
PASSES  
GS LANDFORMS  
... **GAPS (GEOLOGY)**  
RT GEOLOGY  
MOUNTAINS  
... RIDGES

### GARBAGE

GS WASTES  
... **GARBAGE**  
RT COMPOSTING  
ORGANIC WASTES (FUEL CONVERSION)  
SEWERS  
SOLID WASTES  
UTILITIES  
WASTE DISPOSAL  
WASTE TREATMENT

### GARMENTS

GS CLOTHING  
... **GARMENTS**  
RT FLIGHT CLOTHING  
SUITS  
VESTS

### GARNETS

GS MINERALS  
... **GARNETS**  
... YTTRIUM-ALUMINUM GARNET  
... YTTRIUM-IRON GARNET  
SILICON COMPOUNDS  
... SILICATES  
... **GARNETS**  
... YTTRIUM-ALUMINUM GARNET  
... YTTRIUM-IRON GARNET  
RT ECLOGITE  
LASERS

### GARP

USE GLOBAL ATMOSPHERIC RESEARCH  
PROGRAM

### GARP ATLANTIC TROPICAL EXPERIMENT

UF GATE (EXPERIMENT)  
GS PROGRAMS  
... GLOBAL ATMOSPHERIC RESEARCH  
PROGRAM  
... **GARP ATLANTIC TROPICAL  
EXPERIMENT**  
RT ATLANTIC OCEAN  
INTERTROPICAL CONVERGENT ZONES  
METEOROLOGY  
NASA PROGRAMS  
OCEANOGRAPHY  
TROPICAL METEOROLOGY  
TROPICAL REGIONS  
WEATHER FORECASTING

### GAS ANALYSIS

GS CHEMICAL TESTS  
... CHEMICAL ANALYSIS  
... **GAS ANALYSIS**  
... OZONOMETRY  
... VAN SLYKE METHOD  
RT AIR SAMPLING  
FLAME PROBES  
HOPCALITE (TRADEMARK)  
MASS SPECTROMETERS  
... MATERIALS TESTS  
OXYGEN ANALYZERS  
QUALITATIVE ANALYSIS  
QUANTITATIVE ANALYSIS  
VOLUMETRIC ANALYSIS

### GAS ATOMIZATION

GS ATOMIZING  
... **GAS ATOMIZATION**  
RT AEROSOLS  
COLLISIONS  
COMMINUTION  
LIQUID ATOMIZATION  
PARTICLES

### GAS BAGS

GS BAGS  
... **GAS BAGS**  
EXPANDABLE STRUCTURES  
... INFLATABLE STRUCTURES  
... **GAS BAGS**  
RT BALLOONS  
HIGH ALTITUDE BALLOONS

### GAS BEARINGS

UF AIR BEARINGS  
GAS LUBRICATED BEARINGS  
GS BEARINGS  
... **GAS BEARINGS**  
RT ANTIFRICTION BEARINGS  
FLUID FILMS  
FOIL BEARINGS  
HIGH TEMPERATURE LUBRICANTS  
SQUEEZE FILMS  
THRUST BEARINGS  
TURBINE ENGINES

### GAS CHROMATOGRAPHY

GS CHEMICAL TESTS  
... CHEMICAL ANALYSIS  
... CHROMATOGRAPHY  
... **GAS CHROMATOGRAPHY**  
RT ADSORPTION  
PAPER CHROMATOGRAPHY  
SORPTION  
THIN LAYER CHROMATOGRAPHY

### GAS COMPOSITION

GS COMPOSITION (PROPERTY)  
... **GAS COMPOSITION**  
... CARBON DIOXIDE CONCENTRATION  
RT ATMOSPHERIC COMPOSITION  
ATOM CONCENTRATION  
CHEMICAL COMPOSITION  
DALTON LAW  
EXPIRED AIR  
IONOSPHERIC COMPOSITION  
PLASMA COMPOSITION  
POLAR GASES

### GAS COOLED FAST REACTORS

GS NUCLEAR REACTORS  
... FAST NUCLEAR REACTORS  
... **GAS COOLED FAST REACTORS**  
... GAS COOLED REACTORS  
... **GAS COOLED FAST REACTORS**

### GAS COOLED REACTORS

UF GCR (REACTORS)  
GS NUCLEAR REACTORS  
... **GAS COOLED REACTORS**  
... EXPERIMENTAL GAS COOLED  
REACTORS  
... GAS COOLED FAST REACTORS  
... HIGH TEMPERATURE NUCLEAR  
REACTORS  
... HIGH TEMPERATURE GAS COOLED  
REACTORS  
... KIWI REACTORS  
... KIWI B REACTORS  
... KIWI B-1 REACTOR  
... KIWI B-4 REACTOR  
... TORY 2 REACTOR  
... TORY 2-A REACTOR  
... TORY 2-C REACTOR  
RT ... GAS REACTORS

### GAS COOLING

SN (COOLING WITH GAS)  
GS COOLING  
... **GAS COOLING**  
RT COOLANTS  
FREON  
HEAT EXCHANGERS

### GAS DENSITY

GS DENSITY (MASS/VOLUME)  
... **GAS DENSITY**  
RT ATOM CONCENTRATION  
BUOYANCY  
CONVECTIVE FLOW

# GAS LASERS

## GAS DENSITY-(CONT.)

GASEOUS DIFFUSION  
IDEAL GAS  
PROBABILITY DENSITY FUNCTIONS  
RAREFIED GASES  
REAL GASES

## GAS DETECTORS

RT DETECTION  
∞ DETECTORS  
HAZE DETECTION  
IDENTIFYING  
INDICATING INSTRUMENTS  
MONITORS  
∞ PROBES  
∞ SENSORS  
SMOKE DETECTORS  
WARNING SYSTEMS

## GAS DIFFUSION

USE GASEOUS DIFFUSION

## GAS DISCHARGE COUNTERS

USE COUNTERS  
GAS DISCHARGE TUBES

## GAS DISCHARGE TUBES

UF DISCHARGE TUBES  
GAS DISCHARGE COUNTERS  
GS ELECTRON TUBES  
GAS DISCHARGE TUBES  
IGNITRONS  
THYRATRONS  
RT FARADAY DARK SPACE  
∞ GAS TUBES  
MICROWAVE EQUIPMENT  
MICROWAVE OSCILLATORS  
MICROWAVE TUBES  
PHOTOTUBES  
RADIATION COUNTERS

## GAS DISCHARGES

GS ELECTRIC CURRENT  
ELECTRIC DISCHARGES  
TOWNSEND DISCHARGE  
GAS DISCHARGES  
TOROIDAL DISCHARGE  
RING DISCHARGE  
RT AFTERGLOWS  
COLD CATHODE TUBES  
COLD CATHODES  
ELECTRIC ARCS  
ELECTRIC SPARKS  
ELECTRODELESS DISCHARGES  
ELECTRON AVALANCHE  
GLOW DISCHARGES  
LIGHTNING  
POLAR GASES

## GAS DISSOCIATION

GS DISSOCIATION  
GAS DISSOCIATION  
RT THERMAL DISSOCIATION

## GAS DYNAMICS

GS FLUID MECHANICS  
FLUID DYNAMICS  
GAS DYNAMICS  
AERODYNAMICS  
AEROTHERMODYNAMICS  
HYPERSONICS  
ROTOR AERODYNAMICS  
SUPERSONICS  
UNSTEADY AERODYNAMICS  
INTERACTIONAL AERODYNAMICS  
RAREFIED GAS DYNAMICS  
RT DALTON LAW  
DYNAMICS  
GAS PATH ANALYSIS  
GASEOUS DIFFUSION  
GASEOUS SELF-DIFFUSION  
GASES  
HYDRODYNAMIC EQUATIONS  
HYDRODYNAMICS  
JET MEMBRANE PROCESS  
KINETICS  
LORENTZ GAS  
MAGNETOHYDRODYNAMICS  
∞ MECHANICS (PHYSICS)  
MOLECULAR GASES  
POLAR GASES  
THERMODYNAMICS

## GAS EVACUATING

USE EVACUATING (VACUUM)

## GAS EVOLUTION

GS EVOLUTION (LIBERATION)  
GAS EVOLUTION  
RT DEGASSING  
OUTGASSING  
TRANSPIRATION

## GAS EXCHANGE

GS EXCHANGING  
GAS EXCHANGE  
RT OXYGEN PRODUCTION

## GAS EXPANSION

GS EXPANSION  
GAS EXPANSION  
RT JOULE-THOMSON EFFECT  
PRESSURE REDUCTION

## GAS EXPLOSIONS

GS EXPLOSIONS  
CHEMICAL EXPLOSIONS  
GAS EXPLOSIONS  
RT DETONABLE GAS MIXTURES  
DETONATION WAVES  
FLAME PROPAGATION  
FLAMMABLE GASES  
UNDERGROUND EXPLOSIONS

## GAS FLOW

UF GASEOUS CAVITATION  
GS FLUID FLOW  
GAS FLOW  
AIR FLOW  
AIR CURRENTS  
JET STREAMS (METEOROLOGY)  
MERIDIONAL FLOW  
VERTICAL AIR CURRENTS  
CONTINUUM FLOW  
COOLING FLOWS (ASTROPHYSICS)  
EQUILIBRIUM FLOW  
FROZEN EQUILIBRIUM FLOW  
SHIFTING EQUILIBRIUM FLOW  
FREE MOLECULAR FLOW  
KNUDSEN FLOW  
MOLECULAR FLOW  
SLIP FLOW  
TRANSITION FLOW  
NONEQUILIBRIUM FLOW  
PIPE FLOW  
RT AIR DUCTS  
AIR JETS  
COMPRESSIBLE FLOW  
CRITICAL FLOW  
CROCCO-LEE THEORY  
GAS PATH ANALYSIS  
GASDYNAMIC LASERS  
GASEOUS DIFFUSION  
GASES  
GEOPHYSICAL FLUID FLOW CELLS  
HYDRAULIC ANALOGIES  
HYPERSONIC FLOW  
INCOMPRESSIBLE FLOW  
INVISCID FLOW  
JOULE-THOMSON EFFECT  
LAMINAR FLOW  
LIQUID FLOW  
MAGNETOHYDRODYNAMIC FLOW  
MASS FLOW  
MOLECULAR RELAXATION  
MOLECULAR TRAJECTORIES  
MULTIPHASE FLOW  
NONUNIFORM FLOW  
ORIFICE FLOW  
∞ PRESSURE DROP  
RADIAL FLOW  
SINGLE-PHASE FLOW  
STEADY FLOW  
STEAM FLOW  
STREAMS  
SUBCRITICAL FLOW  
SUBSONIC FLOW  
SUPERCRITICAL FLOW  
SUPERSONIC FLOW  
SUPERSONIC JET FLOW  
TRANSONIC FLOW  
TURBULENT FLOW  
TWO PHASE FLOW  
UNIFORM FLOW  
UNSTEADY FLOW  
VAPOR JETS  
VISCOUS FLOW

## GAS GENERATOR ENGINES

USE ENGINES  
GAS GENERATORS

## GAS GENERATORS

UF GAS GENERATOR ENGINES  
RT CHEMICAL REACTORS  
GENERATORS  
PNEUMATIC EQUIPMENT  
PRESSURIZING  
VAPORIZERS

## GAS GIANT PLANETS

GS CELESTIAL BODIES  
PLANETS  
GAS GIANT PLANETS  
JUPITER (PLANET)  
NEPTUNE (PLANET)  
SATURN (PLANET)  
URANUS (PLANET)  
RT EXTRASOLAR PLANETS  
JUPITER RED SPOT  
NEPTUNE ATMOSPHERE  
PLANETARY COMPOSITION  
SATURN RINGS  
SOLAR SYSTEM  
URANUS ATMOSPHERE

## GAS GUNS

GS GAS GUNS  
LIGHT GAS GUNS  
RT ATMOSPHERIC ENTRY  
BALLISTICS  
GUNS  
HYPERVELOCITY GUNS  
WIND TUNNELS

## GAS HEATING

GS HEATING  
GAS HEATING  
RT ARC HEATING  
KINETIC HEATING  
PLASMA HEATING  
RADIANT HEATING  
RESISTANCE HEATING  
THERMAL DIFFUSION

## GAS INJECTION

GS INJECTION  
FLUID INJECTION  
GAS INJECTION  
RT FORMATIONS  
FUEL INJECTION  
INFLATING  
PERFORATING  
PLASMA PUMPING  
POROSITY  
PRESSURIZING  
STIMULATION  
WATER INJECTION

## GAS IONIZATION

GS IONIZATION  
GAS IONIZATION  
ATMOSPHERIC IONIZATION  
AURORAL IONIZATION  
FLAME IONIZATION  
RT AFTERGLOWS  
ELECTRON ATTACHMENT  
HELIUM AFTERGLOW  
IONIZED GASES  
IONIZERS  
PENNING DISCHARGE  
PENNING EFFECT  
PHOTOIONIZATION  
PLASMA DISPLAY DEVICES  
RING DISCHARGE

## GAS JETS

GS FLUID JETS  
GAS JETS  
RT AIR JETS  
COLD GAS  
JETS

## GAS LASERS

GS STIMULATED EMISSION DEVICES  
LASERS  
GAS LASERS  
CARBON DIOXIDE LASERS  
CARBON MONOXIDE LASERS  
DF LASERS  
EXCIMER LASERS  
HCL LASERS  
HCL ARGON LASERS  
HCN LASERS  
HELIUM-NEON LASERS  
HF LASERS  
KRYPTON FLUORIDE LASERS

## GAS LIQUEFACTION

### GAS LASERS-(CONT.)

- ... NITROGEN LASERS
- ... TEA LASERS
- ... ULTRAVIOLET LASERS
- ... XENON CHLORIDE LASERS
- ... XENON FLUORIDE LASERS
- RT CARBON LASERS
- CHEMICAL LASERS
- ELECTRON PUMPING
- GASDYNAMIC LASERS
- INFRARED LASERS
- MACH-ZEHNDER INTERFEROMETERS
- MOLECULAR OSCILLATIONS
- NUCLEAR PUMPING
- ORGANIC LASERS
- POLAR GASES
- POWER TRANSMISSION (LASERS)
- PULSED LASERS
- Q SWITCHED LASERS
- RARE GAS-HALIDE LASERS
- STIMULATED EMISSION
- WATER MASERS

### GAS LIQUEFACTION

- USE CONDENSING

### GAS LUBRICANTS

- GS LUBRICANTS
- ... GAS LUBRICANTS
- RT GASEOUS DIFFUSION
- HIGH TEMPERATURE LUBRICANTS
- METAL-GAS SYSTEMS
- SOLID LUBRICANTS
- SQUEEZE FILMS

### GAS LUBRICATED BEARINGS

- USE GAS BEARINGS

### GAS MASERS

- GS STIMULATED EMISSION DEVICES
- ... MASERS
- ... GAS MASERS
- ... HYDROGEN MASERS
- RT ARGON LASERS
- ATOMIC CLOCKS
- CARBON DIOXIDE LASERS
- FREQUENCY STANDARDS
- INTERSTELLAR MASERS
- POLAR GASES
- STIMULATED EMISSION
- TEA LASERS
- WATER MASERS

### GAS METERS

- GS MEASURING INSTRUMENTS
- ... FLOWMETERS
- ... GAS METERS
- RT FLOW MEASUREMENT
- VENTURI TUBES

### GAS MIXTURES

- GS GASES
- ... GAS MIXTURES
- ... AIR
- ... ALVEOLAR AIR
- ... COMPRESSED AIR
- ... EXPIRED AIR
- ... HIGH TEMPERATURE AIR
- ... LIQUID AIR
- ... DETONABLE GAS MIXTURES
- MIXTURES
- SOLUTIONS
- ... GAS MIXTURES
- ... AIR
- ... ALVEOLAR AIR
- ... COMPRESSED AIR
- ... EXPIRED AIR
- ... HIGH TEMPERATURE AIR
- ... LIQUID AIR
- ... DETONABLE GAS MIXTURES
- RT ARGON-OXYGEN ATMOSPHERES
- ∞ ATMOSPHERES
- BINARY FLUIDS
- BINARY MIXTURES
- CONTROLLED ATMOSPHERES
- EUDIOMETERS
- EXHAUST GASES
- FUEL-AIR RATIO
- FUMES
- GASEOUS ROCKET PROPELLANTS
- HELIUM-OXYGEN ATMOSPHERES
- HYDROGEN-BASED ENERGY
- IGNITION LIMITS
- LAMINAR MIXING
- LIGHTHILL GAS MODEL

### GAS MIXTURES-(CONT.)

- LIQUEFIED GASES
- LIQUID-GAS MIXTURES
- PREMIXED FLAMES
- PREMIXING

### GAS PATH ANALYSIS

- RT GAS DYNAMICS
- GAS FLOW

### GAS PHASES

- USE VAPOR PHASES

### GAS PIPES

- GS PIPES (TUBES)
- ... GAS PIPES
- RT ∞ GAS TUBES

### GAS POCKETS

- RT CAVITIES
- EVACUATING (VACUUM)

### GAS PRESSURE

- GS PRESSURE
- ... GAS PRESSURE
- RT ATMOSPHERIC PRESSURE
- COMPRESSED GAS
- INTERNAL PRESSURE
- PARTIAL PRESSURE

### ∞ GAS REACTORS

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT CHEMICAL REACTORS
- GAS COOLED REACTORS
- GASEOUS FISSION REACTORS

### GAS RECOVERY

- GS RECLAMATION
- ... GAS RECOVERY
- RT ENERGY TECHNOLOGY
- EXHAUST GASES
- GASEOUS DIFFUSION
- GASES
- ∞ RECOVERY
- WASTES

### GAS SPECTROSCOPY

- GS SPECTROSCOPY
- ... GAS SPECTROSCOPY
- RT CHEMICAL ANALYSIS
- CHEMICAL TESTS
- FLAME SPECTROSCOPY
- MAGNETIC SPECTROSCOPY
- MASS SPECTROSCOPY
- OPTOGALVANIC SPECTROSCOPY
- SPECTROSCOPIC ANALYSIS
- VACUUM SPECTROSCOPY
- VISIBLE SPECTRUM

### GAS STREAMS

- GS GASES
- ... GAS STREAMS
- STREAMS
- ... GAS STREAMS
- RT JET FLOW
- LAMINAR FLOW
- TURBULENCE
- WIND TUNNELS

### GAS TEMPERATURE

- GS TEMPERATURE
- ... GAS TEMPERATURE
- RT ATMOSPHERIC TEMPERATURE
- INLET TEMPERATURE
- IONIZED GASES
- RAREFIED GASES
- SHOCK TUBES
- SHOCK WAVES
- TEMPERATURE MEASUREMENT

### GAS TRANSPORT

- SN (ENCOMPASSES GAS DYNAMICS--EXCLUDES MATERIALS HANDLING)
- RT ENERGY TRANSFER
- GASEOUS DIFFUSION
- HEAT TRANSFER
- KINETIC THEORY
- LIGHTHILL GAS MODEL
- MAGNETOHYDRODYNAMICS
- MASS TRANSFER
- POLLUTION TRANSPORT

### GAS TRANSPORT-(CONT.)

#### TRANSPORT THEORY

### ∞ GAS TUBES

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT COLD CATHODE TUBES
- GAS DISCHARGE TUBES
- GAS PIPES
- TRIGATRONS

### GAS TUNGSTEN ARC WELDING

- UF TIG WELDING
- TUNGSTEN INERT GAS WELDING
- GS WELDING
- ... ELECTRIC WELDING
- ... ARC WELDING
- ... GAS TUNGSTEN ARC WELDING
- RT HEAT AFFECTED ZONE

### GAS TURBINE ENGINES

- GS ENGINES
- ... AIR BREATHING ENGINES
- ... GAS TURBINE ENGINES
- ... JET ENGINES
- ... RAMJET ENGINES
- ... INTEGRAL ROCKET RAMJETS
- ... LOW VOLUME RAMJET ENGINES
- ... PULSEJET ENGINES
- ... SUPERSONIC COMBUSTION
- ... RAMJET ENGINES
- ... TURBORAMJET ENGINES
- ... TURBOJET ENGINES
- ... BRISTOL-SIDDELEY OLYMPUS
- ... 593 ENGINE
- ... BRISTOL-SIDDELEY VIPER
- ... ENGINE
- ... DUCTED FAN ENGINES
- ... J-33 ENGINE
- ... J-34 ENGINE
- ... J-47 ENGINE
- ... J-57 ENGINE
- ... J-57-P-20 ENGINE
- ... J-65 ENGINE
- ... J-69-T-25 ENGINE
- ... J-71 ENGINE
- ... J-73 ENGINE
- ... J-75 ENGINE
- ... J-79 ENGINE
- ... J-85 ENGINE
- ... J-93 ENGINE
- ... RA-28 ENGINE
- ... TURBOFAN ENGINES
- ... BRISTOL-SIDDELEY BS 53
- ... ENGINE
- ... CF-700 ENGINE
- ... J-97 ENGINE
- ... TF-41 ENGINE
- ... TURBOPROP ENGINES
- ... T-53 ENGINE
- ... T-56 ENGINE
- ... T-64 ENGINE
- ... T-74 ENGINE
- ... TURBORAMJET ENGINES
- ... T-58-GE-9B ENGINE
- ... INTERNAL COMBUSTION ENGINES
- ... GAS TURBINE ENGINES
- ... HYDROGEN ENGINES
- ... JET ENGINES
- ... RAMJET ENGINES
- ... INTEGRAL ROCKET RAMJETS
- ... LOW VOLUME RAMJET ENGINES
- ... PULSEJET ENGINES
- ... SUPERSONIC COMBUSTION
- ... RAMJET ENGINES
- ... TURBORAMJET ENGINES
- ... T-63 ENGINE
- ... T-76 ENGINE
- ... TURBOJET ENGINES
- ... BRISTOL-SIDDELEY OLYMPUS
- ... 593 ENGINE
- ... BRISTOL-SIDDELEY VIPER
- ... ENGINE
- ... DUCTED FAN ENGINES
- ... J-33 ENGINE
- ... J-34 ENGINE
- ... J-47 ENGINE
- ... J-52 ENGINE
- ... J-57 ENGINE
- ... J-57-P-20 ENGINE
- ... J-65 ENGINE
- ... J-69-T-25 ENGINE
- ... J-71 ENGINE
- ... J-73 ENGINE

**GAS TURBINE ENGINES-(CONT.)**

. . . . . J-75 ENGINE  
 . . . . . J-79 ENGINE  
 . . . . . J-85 ENGINE  
 . . . . . J-93 ENGINE  
 . . . . . RA-28 ENGINE  
 . . . . . TURBOFAN ENGINES  
 . . . . . BRISTOL-SIDDELEY BS 53 ENGINE  
 . . . . . CF-700 ENGINE  
 . . . . . J-97 ENGINE  
 . . . . . TF-30 ENGINE  
 . . . . . TF-41 ENGINE  
 . . . . . TURBOPROP ENGINES  
 . . . . . T-34 ENGINE  
 . . . . . T-38 ENGINE  
 . . . . . T-53 ENGINE  
 . . . . . T-56 ENGINE  
 . . . . . T-64 ENGINE  
 . . . . . T-74 ENGINE  
 . . . . . T-78 ENGINE  
 . . . . . TURBORAMJET ENGINES  
 . . . . . T-58 ENGINE  
 . . . . . T-58-GE-8B ENGINE  
 . . . . . TURBINE ENGINES  
 . . . . . **GAS TURBINE ENGINES**  
 . . . . . JET ENGINES  
 . . . . . RAMJET ENGINES  
 . . . . . LOW VOLUME RAMJET ENGINES  
 . . . . . PULSEJET ENGINES  
 . . . . . SUPERSONIC COMBUSTION  
 . . . . . RAMJET ENGINES  
 . . . . . TURBORAMJET ENGINES  
 . . . . . T-63 ENGINE  
 . . . . . T-76 ENGINE  
 . . . . . TURBOJET ENGINES  
 . . . . . BRISTOL-SIDDELEY OLYMPUS 593 ENGINE  
 . . . . . BRISTOL-SIDDELEY VIPER ENGINE  
 . . . . . DUCTED FAN ENGINES  
 . . . . . J-33 ENGINE  
 . . . . . J-34 ENGINE  
 . . . . . J-47 ENGINE  
 . . . . . J-52 ENGINE  
 . . . . . J-57 ENGINE  
 . . . . . J-57-P-20 ENGINE  
 . . . . . J-65 ENGINE  
 . . . . . J-69-T-25 ENGINE  
 . . . . . J-71 ENGINE  
 . . . . . J-73 ENGINE  
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 . . . . . J-79 ENGINE  
 . . . . . J-85 ENGINE  
 . . . . . J-93 ENGINE  
 . . . . . RA-28 ENGINE  
 . . . . . TURBOFAN ENGINES  
 . . . . . BRISTOL-SIDDELEY BS 53 ENGINE  
 . . . . . CF-700 ENGINE  
 . . . . . J-97 ENGINE  
 . . . . . TF-30 ENGINE  
 . . . . . TF-41 ENGINE  
 . . . . . TURBOPROP ENGINES  
 . . . . . T-34 ENGINE  
 . . . . . T-38 ENGINE  
 . . . . . T-53 ENGINE  
 . . . . . T-56 ENGINE  
 . . . . . T-64 ENGINE  
 . . . . . T-74 ENGINE  
 . . . . . T-78 ENGINE  
 . . . . . TURBORAMJET ENGINES  
 . . . . . T-58 ENGINE  
 . . . . . T-58-GE-8B ENGINE  
 RT AIRCRAFT ENGINES  
 AXIAL FLOW TURBINES  
 BRAYTON CYCLE  
 EXTERNAL COMBUSTION ENGINES  
 FLAMEOUT  
 STEAM TURBINES  
 SUPERSONIC TURBINES  
 TURBOGENERATORS  
 TWO STAGE TURBINES

**GAS TURBINES**

GS TURBOMACHINERY  
 . TURBINES  
 . . **GAS TURBINES**  
 RT AXIAL FLOW TURBINES  
 BRAYTON CYCLE  
 CLOSED CYCLES  
 COMBINED CYCLE POWER GENERATION  
 INTERNAL COMBUSTION ENGINES  
 SPRAY INGESTION  
 STEAM TURBINES  
 SUPERSONIC TURBINES

**GAS TURBINES-(CONT.)**

TURBOGENERATORS  
 TWO STAGE TURBINES

**GAS VALVES**

GS PNEUMATIC EQUIPMENT  
 . **GAS VALVES**  
 VALVES  
 . **GAS VALVES**  
 RT AUTOMATIC CONTROL VALVES  
 COCKS  
 DAMPERS (VALVES)  
 FUEL VALVES  
 RELIEF VALVES

**GAS VISCOSITY**

GS TRANSPORT PROPERTIES  
 . VISCOSITY  
 . **GAS VISCOSITY**  
 RT GASEOUS DIFFUSION  
 LENNARD-JONES GAS

**GAS WELDING**

SN (EXCLUDES ELECTRIC WELDING IN THE  
 PRESENCE OF A CONTROLLED  
 GASEOUS ATMOSPHERE)  
 GS WELDING  
 . LASER WELDING  
 . FUSION WELDING  
 . . **GAS WELDING**  
 . . . . BRAZING  
 . . . . LOW TEMPERATURE BRAZING  
 RT GAS-METAL INTERACTIONS  
 PRESSURE WELDING

**GAS-GAS INTERACTIONS**

GS **GAS-GAS INTERACTIONS**  
 . ASSOCIATION REACTIONS  
 RT DALTON LAW  
 DETONABLE GAS MIXTURES  
 EXHAUST EMISSION  
 GASEOUS DIFFUSION  
 ∞ INTERACTIONS

**GAS-ION INTERACTIONS**

UF ION-GAS INTERACTIONS  
 RT GASEOUS DIFFUSION  
 ∞ INTERACTIONS

**GAS-LIQUID INTERACTIONS**

GS **GAS-LIQUID INTERACTIONS**  
 . AIR WATER INTERACTIONS  
 . . AIR SEA ICE INTERACTIONS  
 RT CONDENSING  
 ENERGY TRANSFER  
 EVAPORATION  
 GASEOUS DIFFUSION  
 HEAT TRANSFER  
 ∞ INTERACTIONS  
 INTERFACIAL TENSION  
 MASS TRANSFER  
 MOMENTUM TRANSFER  
 NONCONDENSABLE GASES  
 SURFACE REACTIONS

**GAS-METAL INTERACTIONS**

GS FLUID-SOLID INTERACTIONS  
 . GAS-SOLID INTERACTIONS  
 . . **GAS-METAL INTERACTIONS**  
 RT ABLATION  
 ADSORPTION  
 CHEMICAL REACTIONS  
 CHEMISORPTION  
 ∞ CONDENSATION  
 CONDENSING  
 CORROSION  
 DIFFUSION  
 EVAPORATION  
 EXHAUST EMISSION  
 FLAME PROPAGATION  
 GAS WELDING  
 GASEOUS DIFFUSION  
 HOT CORROSION  
 HYDROGEN EMBRITTLEMENT  
 ∞ INTERACTIONS  
 METAL COMBUSTION  
 METAL VAPORS  
 METAL-GAS SYSTEMS  
 OCCLUSION  
 SOLID PHASES  
 SUBLIMATION  
 SULFIDATION  
 VAPOR PHASES

**GASEOUS ROCKET PROPELLANTS****GAS-SOLID INTERACTIONS**

GS FLUID-SOLID INTERACTIONS  
 . **GAS-SOLID INTERACTIONS**  
 . . GAS-METAL INTERACTIONS  
 RT AIR LAND INTERACTIONS  
 DYNAMIC LOADS  
 FLUID DYNAMICS  
 IMPINGEMENT  
 ∞ INTERACTIONS  
 PANEL METHOD (FLUID DYNAMICS)

**GAS-SOLID INTERFACES**

GS BOUNDARIES  
 . FLUID BOUNDARIES  
 . . **GAS-SOLID INTERFACES**  
 INTERFACES  
 . FLUID BOUNDARIES  
 . . **GAS-SOLID INTERFACES**  
 RT BOUNDARY LAYERS  
 FLUID-SOLID INTERACTIONS  
 HEAT TRANSFER  
 INTERFACE STABILITY  
 METAL SURFACES  
 OCCLUSION  
 SOLID PHASES  
 SOLID-SOLID INTERFACES  
 SOLUBILITY  
 SUBLIMATION  
 VAPOR PHASES

**GASDYNAMIC LASERS**

GS STIMULATED EMISSION DEVICES  
 . LASERS  
 . . **GASDYNAMIC LASERS**  
 RT GAS FLOW  
 GAS LASERS  
 LASER OUTPUTS  
 PLASMA DYNAMIC LASERS  
 TUBE LASERS

**GASEOUS CAVITATION**

USE CAVITATION FLOW  
 GAS FLOW

**GASEOUS DIFFUSION**

UF GAS DIFFUSION  
 GS DIFFUSION  
 . **GASEOUS DIFFUSION**  
 . . GASEOUS SELF-DIFFUSION  
 TRANSPORT PROPERTIES  
 . **GASEOUS DIFFUSION**  
 . . GASEOUS SELF-DIFFUSION  
 RT DIFFUSION COEFFICIENT  
 GAS DENSITY  
 GAS DYNAMICS  
 GAS FLOW  
 GAS LUBRICANTS  
 GAS RECOVERY  
 GAS TRANSPORT  
 GAS VISCOSITY  
 GAS-GAS INTERACTIONS  
 GAS-ION INTERACTIONS  
 GAS-LIQUID INTERACTIONS  
 GAS-METAL INTERACTIONS  
 MOLECULAR DIFFUSION  
 POLLUTION TRANSPORT  
 THERMAL DIFFUSION

**GASEOUS FISSION REACTORS**

GS NUCLEAR REACTORS  
 . **GASEOUS FISSION REACTORS**  
 RT FISSION FUELS  
 FISSIONABLE MATERIALS  
 ∞ GAS REACTORS  
 NUCLEAR LIGHTBULB ENGINES  
 NUCLEAR PROPULSION  
 PLASMA PROPULSION

**GASEOUS FUELS**

GS FUELS  
 . **GASEOUS FUELS**  
 . . NATURAL GAS  
 GASES  
 . FLAMMABLE GASES  
 . . **GASEOUS FUELS**  
 RT LIGNITE  
 LIQUID FUELS

**GASEOUS ROCKET PROPELLANTS**

GS PROPELLANTS  
 . ROCKET PROPELLANTS  
 . . **GASEOUS ROCKET PROPELLANTS**  
 RT CRYOGENIC ROCKET PROPELLANTS  
 ENDOTHERMIC FUELS  
 GAS MIXTURES

## GASEOUS SELF-DIFFUSION

### GASEOUS ROCKET PROPELLANTS-(CONT.)

HIGH ENERGY PROPELLANTS  
HYBRID PROPELLANTS  
HYDROGEN FUELS  
LIQUID ROCKET PROPELLANTS  
MAN OPERATED PROPULSION SYSTEMS  
MONOPROPELLANTS  
STORABLE PROPELLANTS

### GASEOUS SELF-DIFFUSION

GS DIFFUSION  
    . GASEOUS DIFFUSION  
    . **GASEOUS SELF-DIFFUSION**  
TRANSPORT PROPERTIES  
    . GASEOUS DIFFUSION  
    . **GASEOUS SELF-DIFFUSION**  
RT ELECTRON DIFFUSION  
GAS DYNAMICS  
KINETIC THEORY  
MOLECULAR DIFFUSION  
PARTICLE DIFFUSION  
PLASMA DIFFUSION

### GASES

GS **GASES**  
    . AMMONIA  
    . LIQUID AMMONIA  
    . CARBON DIOXIDE  
    . CARBON MONOXIDE  
    . CARBON SUBOXIDES  
    . COLD GAS  
    . COMPRESSED GAS  
    . HIGH PRESSURE OXYGEN  
    . DISSOLVED GASES  
    . EXHAUST GASES  
    . FLUE GASES  
    . FLAMMABLE GASES  
    . GASEOUS FUELS  
    . LIQUEFIED NATURAL GAS  
    . PYROGEN  
    . GAS MIXTURES  
    . AIR  
    . . . ALVEOLAR AIR  
    . . . COMPRESSED AIR  
    . . . EXPIRED AIR  
    . . . HIGH TEMPERATURE AIR  
    . . . LIQUID AIR  
    . . . DETONABLE GAS MIXTURES  
    . . . GAS STREAMS  
    . . . GRAY GAS  
    . . . HIGH TEMPERATURE GASES  
    . . . HIGH TEMPERATURE AIR  
    . . . HYDROGEN  
    . . . HYDROGEN ISOTOPES  
    . . . DEUTERIUM  
    . . . HYDROGEN 4  
    . . . METALLIC HYDROGEN  
    . . . TRITIUM  
    . . . LIQUID HYDROGEN  
    . . . IDEAL GAS  
    . . . IONIZED GASES  
    . . . LORENTZ GAS  
    . . . LIQUEFIED GASES  
    . . . LIQUEFIED NATURAL GAS  
    . . . LIQUID AIR  
    . . . LIQUID AMMONIA  
    . . . LIQUID FLUORINE  
    . . . LIQUID HELIUM  
    . . . LIQUID HELIUM 2  
    . . . LIQUID HYDROGEN  
    . . . LIQUID NEON  
    . . . LIQUID NITROGEN  
    . . . LIQUID OXYGEN  
    . . . MOLECULAR GASES  
    . . . POLAR GASES  
    . . . POLYATOMIC GASES  
    . . . DIATOMIC GASES  
    . . . MONATOMIC GASES  
    . . . NITROGEN  
    . . . LIQUID NITROGEN  
    . . . NITROGEN ISOTOPES  
    . . . NITROGEN 15  
    . . . NITROGEN 16  
    . . . SOLID NITROGEN  
    . . . NONCONDENSABLE GASES  
    . . . NONGRAY GAS  
    . . . NONPOLAR GASES  
    . . . ORTHO HYDROGEN  
    . . . OXYGEN  
    . . . LIQUID OXYGEN  
    . . . OXYGEN ISOTOPES  
    . . . OXYGEN 17  
    . . . OXYGEN 18  
    . . . OZONE  
    . . . PARA HYDROGEN

### GASES-(CONT.)

. PHOSGENE  
. RARE GASES  
. ARGON  
. . . ARGON ISOTOPES  
. . . HELIUM  
. . . HELIUM ISOTOPES  
. . . LIQUID HELIUM  
. . . LIQUID HELIUM 2  
. . . KRYPTON  
. . . KRYPTON ISOTOPES  
. . . KRYPTON 85  
. . . NEON  
. . . LIQUID NEON  
. . . NEON ISOTOPES  
. . . RADON  
. . . RADON ISOTOPES  
. . . XENON  
. . . XENON ISOTOPES  
. . . XENON 129  
. . . XENON 133  
. . . XENON 135  
. . . RAREFIED GASES  
. . . COSMIC GASES  
. . . INTERPLANETARY GAS  
. . . INTERSTELLAR GAS  
. . . NEUTRAL GASES  
. . . RAREFIED PLASMAS  
. . . REAL GASES  
. . . RESIDUAL GAS  
. . . SOLIDIFIED GASES  
. . . SOLID CRYOGENS  
. . . SOLID NITROGEN  
RT **ATMOSPHERES**  
COAL GASIFICATION  
**FLUIDS**  
FUELS  
FUMES  
GAS DYNAMICS  
GAS FLOW  
GAS RECOVERY  
HYDROGEN CLOUDS  
METAL-GAS SYSTEMS  
NONPOINT SOURCES  
ODORS  
PLASMAS (PHYSICS)  
PNEUMATICS  
PREVAPORIZATION  
REACTION PRODUCTS  
VAPOR PHASES  
VAPORS

### GASIFICATION

GS **GASIFICATION**  
    . COAL GASIFICATION  
    . . . HYDROLYSIS  
RT SYNTHANE  
VAPORIZING

### GASKETS

GS SEALS (STOPPERS)  
RT **GASKETS**  
LABYRINTH SEALS  
O RING SEALS  
PUMP SEALS

### GASOL (FUEL)

GS FUELS  
    . CHEMICAL FUELS  
    . . . SYNTHETIC FUELS  
    . . . **GASOL (FUEL)**  
RT ALCOHOLS  
GASOLINE

### GASOLINE

GS FUELS  
    . CHEMICAL FUELS  
    . . . HYDROCARBON FUELS  
    . . . **GASOLINE**  
    . . . LIQUID FUELS  
    . . . **GASOLINE**  
PRODUCTS  
    . PETROLEUM PRODUCTS  
    . . . **GASOLINE**  
RT ANTIKNOCK ADDITIVES  
AUTOMOBILE FUELS  
DIESEL FUELS  
GASOL (FUEL)  
JET ENGINE FUELS  
KEROGEN  
KEROSENE  
OCTANE NUMBER  
SHALE OIL  
SOLVENT REFINED COAL

### GASP

USE GLOBAL AIR SAMPLING PROGRAM

### GASTROINTESTINAL SYSTEM

GS ANATOMY  
    . DIGESTIVE SYSTEM  
    . **GASTROINTESTINAL SYSTEM**  
    . . . APPENDIX (ANATOMY)  
    . . . INTESTINES  
    . . . RECTUM  
    . . . STOMACH  
RT ABDOMEN  
COLIC  
GALL  
GLANDS (ANATOMY)  
LIVER  
ORGANS  
PANCREAS  
∞ SYSTEMS

### GATE (EXPERIMENT)

USE GARP ATLANTIC TROPICAL EXPERIMENT

### GATES

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT CLOSURES  
GATES (CIRCUITS)  
GATES (OPENINGS)

### GATES (CIRCUITS)

UF OR-GATES  
GS CIRCUITS  
    . **GATES (CIRCUITS)**  
    . . . THRESHOLD GATES  
RT COINCIDENCE CIRCUITS  
∞ GATES  
LOGIC CIRCUITS  
LOGICAL ELEMENTS  
SWITCHING CIRCUITS  
THRESHOLD LOGIC  
TRIGGER CIRCUITS

### GATES (OPENINGS)

RT APERTURES  
∞ BARRIERS  
CANALS  
DOORS  
FENCES (BARRIERS)  
∞ GATES  
HATCHES  
HYDRAULIC EQUIPMENT  
OPENINGS  
OUTLETS  
SAFETY DEVICES  
VENTS  
WALLS

### GAUGE INVARIANCE

GS INVARIANCE  
    . **GAUGE INVARIANCE**  
RT ELECTROMAGNETIC RADIATION  
SUPERGRAVITY  
TRANSFORMATIONS (MATHEMATICS)

### GAUGE THEORY

RT GRAVITATION THEORY  
STRING THEORY  
SUPERGRAVITY  
SUPERSYMMETRY  
∞ THEORIES  
YANG-MILLS FIELDS  
YANG-MILLS THEORY

### GAUSS EQUATION

UF GAUSS FUNCTION  
GS ANALYSIS (MATHEMATICS)  
    . REAL VARIABLES  
    . . . DIFFERENTIAL EQUATIONS  
    . . . PARTIAL DIFFERENTIAL EQUATIONS  
    . . . **GAUSS EQUATION**  
RT ∞ EQUATIONS  
MAXWELL EQUATION

### GAUSS FUNCTION

USE GAUSS EQUATION

### GAUSS-MARKOV THEOREM

GS THEOREMS  
    . **GAUSS-MARKOV THEOREM**  
RT LEAST SQUARES METHOD  
STATISTICAL ANALYSIS  
VARIANCE (STATISTICS)

# GEMINI SPACECRAFT

## GAUSSIAN DISTRIBUTIONS

USE NORMAL DENSITY FUNCTIONS

## GAUSSIAN ELIMINATION

RT ELIMINATION  
LINEAR EQUATIONS  
MATRICES (MATHEMATICS)  
SUBTRACTION

## GAUSSIAN NOISE

USE RANDOM NOISE

## GAUSSMETERS

USE MAGNETOMETERS

## GAUZE

GS FABRICS  
RT CASTS  
GAUZE

## GAW-1 AIRFOIL

UF GENERAL AVIATION WHITCOMB AIRFOIL  
GS AIRFOILS  
WINGS  
GAW-1 AIRFOIL  
RT ATLIT PROJECT  
PA-34 SENECA AIRCRAFT  
WING PROFILES

## GAW-2 AIRFOIL

UF GENERAL AVIATION WHITCOMB AIRFOIL  
GS AIRFOILS  
WINGS  
GAW-2 AIRFOIL  
RT BODY-WING CONFIGURATIONS  
FLAPS (CONTROL SURFACES)  
GENERAL AVIATION AIRCRAFT  
WING PROFILES

## GC-130 AIRCRAFT

USE C-130 AIRCRAFT

## GCR (REACTORS)

USE GAS COOLED REACTORS

## GDOP

USE GEOMETRIC DILUTION OF PRECISION

## GE COMPUTERS

UF GENERAL ELECTRIC COMPUTERS  
GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
GE COMPUTERS  
GE 625 COMPUTER  
GE 635 COMPUTER

## GE 625 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
GE COMPUTERS  
GE 625 COMPUTER

## GE 635 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
GE COMPUTERS  
GE 635 COMPUTER

## GEAR

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT ARRESTING GEAR  
GEARS  
LANDING GEAR  
MECHANICAL DRIVES

## GEAR TEETH

RT GEARS  
MECHANICAL DRIVES

## GEARS

GS GEARS  
RACKS (GEARS)  
COUNTER-ROTATING WHEELS  
GEAR  
GEAR TEETH  
IDLERS  
LUBRICATION  
MECHANICAL DRIVES  
TRANSMISSIONS (MACHINE ELEMENTS)

## GEARS-(CONT.)

WHEELS  
WINDMILLS (WINDPOWERED MACHINES)

## GEGENSCHEIN

GS ELECTROMAGNETIC RADIATION  
LIGHT (VISIBLE RADIATION)  
GEGENSCHEIN  
EXTRATERRESTRIAL RADIATION  
GEGENSCHEIN  
RT NIGHT SKY  
POLARIZED LIGHT  
SKY BRIGHTNESS  
SOLAR RADIATION  
TERRESTRIAL DUST BELT  
ZODIACAL LIGHT

## GEHLENITE

GS ALUMINUM COMPOUNDS  
ALUMINUM SILICATES  
GEHLENITE  
CALCIUM COMPOUNDS  
CALCIUM SILICATES  
GEHLENITE  
MINERALS  
GEHLENITE  
SILICON COMPOUNDS  
SILICATES  
ALUMINUM SILICATES  
GEHLENITE  
CALCIUM SILICATES  
GEHLENITE  
RT ALUMINUM OXIDES

## GEIGER COUNTERS

UF GEIGER-MUELLER TUBES  
GS IONIZATION CHAMBERS  
GEIGER COUNTERS  
MEASURING INSTRUMENTS  
COUNTERS  
RADIATION COUNTERS  
GEIGER COUNTERS  
RADIATION MEASURING INSTRUMENTS  
RADIATION COUNTERS  
GEIGER COUNTERS  
RT DOSIMETERS  
NEUTRON COUNTERS  
OVERVOLTAGE  
PARTICLE TELESCOPES  
PROPORTIONAL COUNTERS  
RADIATION DETECTORS

## GEIGER-MUELLER TUBES

USE GEIGER COUNTERS

## GEL PERMEATION CHROMATOGRAPHY

USE LIQUID CHROMATOGRAPHY

## GELATINS

RT COLLAGENS  
FOOD  
GELS  
NONNEWTONIAN FLUIDS

## GELATION

RT COAGULATION  
COLLOIDING  
GELS  
SOLIDIFICATION  
THIXOTROPY

## GELLED PROPELLANTS

GS PROPELLANTS  
GELLED PROPELLANTS  
GELLED ROCKET PROPELLANTS  
RT CHEMICAL FUELS  
COLLOIDAL PROPELLANTS  
HIGH TEMPERATURE PROPELLANTS  
HYDROGEN FUELS  
METAL FUELS  
METAL PROPELLANTS  
PLASTIC PROPELLANTS  
PROPELLANT ADDITIVES  
SOLID PROPELLANTS

## GELLED ROCKET PROPELLANTS

UF THIXOTROPIC PROPELLANTS  
GS PROPELLANTS  
GELLED PROPELLANTS  
GELLED ROCKET PROPELLANTS  
ROCKET PROPELLANTS  
LIQUID ROCKET PROPELLANTS  
GELLED ROCKET PROPELLANTS  
RT CHEMICAL FUELS

## GELLED ROCKET PROPELLANTS-(CONT.)

CRYOGENIC ROCKET PROPELLANTS  
GELS  
HIGH TEMPERATURE PROPELLANTS  
HYBRID PROPELLANTS  
HYPERGOLIC ROCKET PROPELLANTS  
METAL PROPELLANTS  
MONOPROPELLANTS  
SLURRY PROPELLANTS  
SOLID ROCKET PROPELLANTS  
STORABLE PROPELLANTS

## GELS

GS GELS  
DOUBLE BASE ROCKET PROPELLANTS  
SILICA GEL  
COLLOIDS  
DOPES  
GELATINS  
GELATION  
GELLED ROCKET PROPELLANTS  
NONNEWTONIAN FLUIDS  
SLURRIES  
THICKENERS (MATERIALS)  
THIXOTROPY

## GEMINI (GT-1) SPACECRAFT

GS MANNED SPACECRAFT  
GEMINI SPACECRAFT  
GEMINI (GT-1) SPACECRAFT  
REENTRY VEHICLES  
RECOVERABLE SPACECRAFT  
GEMINI SPACECRAFT  
GEMINI (GT-1) SPACECRAFT  
SOFT LANDING SPACECRAFT  
GEMINI SPACECRAFT  
GEMINI (GT-1) SPACECRAFT  
RT MANNED SPACE FLIGHT

## GEMINI B SPACECRAFT

GS MANNED SPACECRAFT  
GEMINI B SPACECRAFT  
REENTRY VEHICLES  
RECOVERABLE SPACECRAFT  
GEMINI B SPACECRAFT  
SOFT LANDING SPACECRAFT  
GEMINI B SPACECRAFT  
RT MANNED SPACE FLIGHT

## GEMINI FLIGHTS

GS SPACE FLIGHT  
MANNED SPACE FLIGHT  
GEMINI FLIGHTS  
GEMINI 3 FLIGHT  
GEMINI 4 FLIGHT  
GEMINI 5 FLIGHT  
GEMINI 6 FLIGHT  
GEMINI 7 FLIGHT  
GEMINI 8 FLIGHT  
GEMINI 9 FLIGHT  
GEMINI 10 FLIGHT  
GEMINI 11 FLIGHT  
GEMINI 12 FLIGHT

## GEMINI PROJECT

GS PROGRAMS  
NASA PROGRAMS  
NASA SPACE PROGRAMS  
GEMINI PROJECT  
PROJECTS  
GEMINI PROJECT  
SPACE PROGRAMS  
NASA SPACE PROGRAMS  
GEMINI PROJECT  
RT AGENA B ROCKET VEHICLE  
AGENA ROCKET VEHICLES  
ATLAS LAUNCH VEHICLES  
INTEGRATED MISSION CONTROL  
CENTER  
MERCURY PROJECT  
TITAN PROJECT

## GEMINI SPACECRAFT

GS MANNED SPACECRAFT  
GEMINI SPACECRAFT  
GEMINI (GT-1) SPACECRAFT  
GEMINI 2 SPACECRAFT  
REENTRY VEHICLES  
RECOVERABLE SPACECRAFT  
GEMINI SPACECRAFT  
GEMINI (GT-1) SPACECRAFT  
GEMINI 2 SPACECRAFT  
SOFT LANDING SPACECRAFT  
GEMINI SPACECRAFT  
GEMINI (GT-1) SPACECRAFT



## GEMINI 2 SPACECRAFT

### GEMINI SPACECRAFT-(CONT.)

RT . . . GEMINI 2 SPACECRAFT  
MANNED SPACE FLIGHT  
SPACE CAPSULES  
TITAN PROJECT

### GEMINI 2 SPACECRAFT

GS MANNED SPACECRAFT  
. . . GEMINI SPACECRAFT  
. . . **GEMINI 2 SPACECRAFT**  
REENTRY VEHICLES  
. . . RECOVERABLE SPACECRAFT  
. . . GEMINI SPACECRAFT  
. . . **GEMINI 2 SPACECRAFT**  
SOFT LANDING SPACECRAFT  
. . . GEMINI SPACECRAFT  
. . . **GEMINI 2 SPACECRAFT**  
MANNED SPACE FLIGHT

### GEMINI 3 FLIGHT

GS SPACE FLIGHT  
. . . MANNED SPACE FLIGHT  
. . . GEMINI FLIGHTS  
. . . **GEMINI 3 FLIGHT**  
TITAN LAUNCH VEHICLES

### GEMINI 4 FLIGHT

GS SPACE FLIGHT  
. . . MANNED SPACE FLIGHT  
. . . GEMINI FLIGHTS  
. . . **GEMINI 4 FLIGHT**

### GEMINI 5 FLIGHT

GS SPACE FLIGHT  
. . . MANNED SPACE FLIGHT  
. . . GEMINI FLIGHTS  
. . . **GEMINI 5 FLIGHT**

### GEMINI 6 FLIGHT

GS SPACE FLIGHT  
. . . MANNED SPACE FLIGHT  
. . . GEMINI FLIGHTS  
. . . **GEMINI 6 FLIGHT**

### GEMINI 7 FLIGHT

GS SPACE FLIGHT  
. . . MANNED SPACE FLIGHT  
. . . GEMINI FLIGHTS  
. . . **GEMINI 7 FLIGHT**  
TITAN LAUNCH VEHICLES

### GEMINI 8 FLIGHT

GS SPACE FLIGHT  
. . . MANNED SPACE FLIGHT  
. . . GEMINI FLIGHTS  
. . . **GEMINI 8 FLIGHT**  
TITAN LAUNCH VEHICLES

### GEMINI 9 FLIGHT

GS SPACE FLIGHT  
. . . MANNED SPACE FLIGHT  
. . . GEMINI FLIGHTS  
. . . **GEMINI 9 FLIGHT**  
TITAN LAUNCH VEHICLES

### GEMINI 10 FLIGHT

GS SPACE FLIGHT  
. . . MANNED SPACE FLIGHT  
. . . GEMINI FLIGHTS  
. . . **GEMINI 10 FLIGHT**  
TITAN LAUNCH VEHICLES

### GEMINI 11 FLIGHT

GS SPACE FLIGHT  
. . . MANNED SPACE FLIGHT  
. . . GEMINI FLIGHTS  
. . . **GEMINI 11 FLIGHT**  
TITAN LAUNCH VEHICLES

### GEMINI 12 FLIGHT

GS SPACE FLIGHT  
. . . MANNED SPACE FLIGHT  
. . . GEMINI FLIGHTS  
. . . **GEMINI 12 FLIGHT**  
TITAN LAUNCH VEHICLES

### GEMINID METEORIODS

GS CELESTIAL BODIES  
. . . METEOROID SHOWERS  
. . . **GEMINID METEORIODS**  
. . . METEORIODS  
. . . **GEMINID METEORIODS**

### GENE EXPRESSION

UF GENE REGULATION  
RT BIOLOGICAL EVOLUTION  
CHROMOSOMES  
DEOXYRIBONUCLEIC ACID  
EVOLUTION (DEVELOPMENT)  
GENES  
GENETICS  
MOLECULAR BIOLOGY  
RIBONUCLEIC ACIDS

### GENE REGULATION

USE GENE EXPRESSION

### GENERAL AVIATION AIRCRAFT

UF EXECUTIVE AIRCRAFT  
PRIVATE AIRCRAFT  
GS **GENERAL AVIATION AIRCRAFT**  
. . . AGRICULTURAL AIRCRAFT  
. . . BEECHCRAFT 18 AIRCRAFT  
. . . C-33 AIRCRAFT  
. . . C-35 AIRCRAFT  
. . . CESSNA 172 AIRCRAFT  
. . . CESSNA 205 AIRCRAFT  
. . . CESSNA 210 AIRCRAFT  
. . . CESSNA 402B AIRCRAFT  
. . . CL-600 CHALLENGER AIRCRAFT  
. . . DH 125 AIRCRAFT  
. . . DHC 2 AIRCRAFT  
. . . DO-27 AIRCRAFT  
. . . DO-28 AIRCRAFT  
. . . G-1 AIRCRAFT  
. . . HC-3 HELICOPTER  
. . . YAK 40 AIRCRAFT  
RT ∞ AERONAUTICS  
∞ AIRCRAFT  
CIVIL AVIATION  
COMMERCIAL AIRCRAFT  
GAW-2 AIRFOIL  
HELICOPTERS  
JET AIRCRAFT  
LIGHT AIRCRAFT  
∞ LOW WING AIRCRAFT  
PASSENGER AIRCRAFT  
PIPER AIRCRAFT  
SINGLE ENGINE AIRCRAFT  
∞ SUBSONIC AIRCRAFT  
TRAINING AIRCRAFT  
TRANSPORT AIRCRAFT  
TURBOPROP AIRCRAFT  
UTILITY AIRCRAFT

### GENERAL AVIATION WHITCOMB AIRFOIL

USE GAW-1 AIRFOIL  
GAW-2 AIRFOIL

### GENERAL DYNAMICS AIRCRAFT

UF CONVAIR MILITARY AIRCRAFT  
GENERAL DYNAMICS MILITARY  
AIRCRAFT  
GS **GENERAL DYNAMICS AIRCRAFT**  
. . . B-58 AIRCRAFT  
. . . C-131 AIRCRAFT  
. . . CL-41 AIRCRAFT  
. . . CL-44 AIRCRAFT  
. . . CL-84 AIRCRAFT  
. . . CV-340 AIRCRAFT  
. . . CV-440 AIRCRAFT  
. . . CV-880 AIRCRAFT  
. . . CV-990 AIRCRAFT  
. . . F-102 AIRCRAFT  
. . . F-106 AIRCRAFT  
. . . F-111 AIRCRAFT  
RT ∞ AIRCRAFT  
CANADAIR AIRCRAFT  
PA-34 SENECA AIRCRAFT

### GENERAL DYNAMICS MILITARY AIRCRAFT

USE GENERAL DYNAMICS AIRCRAFT  
MILITARY AIRCRAFT

### GENERAL ELECTRIC COMPUTERS

USE GE COMPUTERS

### GENERALIZATION (PSYCHOLOGY)

RT TRANSFER OF TRAINING

### ∞ GENERATION

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT COGENERATION  
HEAT GENERATION  
INITIATION  
REGENERATION (ENGINEERING)

### ∞ GENERATORS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT AC GENERATORS  
ARC GENERATORS  
BOILERS  
CAVITY VAPOR GENERATORS  
COLLOIDAL GENERATORS  
DECOMMUTATORS  
DIRECT POWER GENERATORS  
DUOCHROMATORS  
ELECTRIC GENERATORS  
ELECTROSTATIC GENERATORS  
ENERGY CONVERSION EFFICIENCY  
FUNCTION GENERATORS  
GAS GENERATORS  
HALL GENERATORS  
HARMONIC GENERATORS  
HOMOPOLAR GENERATORS  
IMPULSE GENERATORS  
MAGNETOHYDRODYNAMIC GENERATORS  
MOTORS  
NOISE GENERATORS  
PHOTOELECTRIC GENERATORS  
PLASMA GENERATORS  
PULSE GENERATORS  
RADIATION SOURCES  
REPORT GENERATORS  
ROTATING GENERATORS  
SHOCK WAVE GENERATORS  
SIGNAL GENERATORS  
SOLAR SEA POWER PLANTS  
SOUND GENERATORS  
STATORS  
STIMULATED EMISSION DEVICES  
SUBHARMONIC GENERATORS  
TEST PATTERN GENERATORS  
THERMOELECTRIC GENERATORS  
TIDE POWERED GENERATORS  
TURBOGENERATORS  
VAPORIZERS  
VOLTAGE GENERATORS  
VORTEX GENERATORS  
WAVE GENERATION  
WINDPOWERED GENERATORS

### GENES

RT CHROMOSOMES  
DEOXYRIBONUCLEIC ACID  
GENE EXPRESSION  
GENETIC CODE  
GENETIC ENGINEERING  
GENETICS  
MOLECULAR BIOLOGY  
MUTATIONS  
RIBONUCLEIC ACIDS

### GENETIC CODE

RT CHROMOSOMES  
GENES  
GENETICS

### GENETIC ENGINEERING

UF HYBRIDS (BIOLOGY)  
RT BIOCHEMISTRY  
BIOENGINEERING  
∞ BIOLOGY  
BIOSYNTHESIS  
GENES  
GENETICS

### GENETICS

RT BIOLOGICAL EVOLUTION  
∞ BIOLOGY  
BREEDING (REPRODUCTION)  
CHROMOSOMES  
CONGENITAL ANOMALIES  
CYTOGENESIS  
DOMINANCE  
EVOLUTION (DEVELOPMENT)  
GENE EXPRESSION  
GENES  
GENETIC CODE  
GENETIC ENGINEERING  
MUTAGENS  
MUTATIONS  
NEUROSPORA  
NUCLEI (CYTOLOGY)  
NUCLEOGENESIS  
SPECIES DIFFUSION

### GENIE ROCKET VEHICLE

UF MB-1 ROCKET VEHICLE  
GS ROCKET VEHICLES

**GENIE ROCKET VEHICLE-(CONT.)**

- . SINGLE STAGE ROCKET VEHICLES
- . **GENIE ROCKET VEHICLE**
- RT ASTROBEE ROCKET VEHICLES
- SOLID PROPELLANT ROCKET ENGINES

**GENITOURINARY SYSTEM**

- GS ANATOMY
- . **GENITOURINARY SYSTEM**
- . BLADDER
- . KIDNEYS
- . GLOMERULUS
- . REPRODUCTIVE SYSTEMS
- . SEX GLANDS
- . GONADS
- . OVARIES
- . TESTES
- . PROSTATE GLAND
- . UTERUS
- RT GYNECOLOGY
- ORGANS
- ∞ SYSTEMS
- UROLOGY

**GEO ENVIRONMENTS**

- USE EARTH ORBITAL ENVIRONMENTS

**GEOASTROPHYSICS**

- USE ASTROPHYSICS
- GEOPHYSICS

**GEOBOTANY**

- GS BOTANY
- . **GEOBOTANY**
- RT BIOGEOCHEMISTRY
- PLANTS (BOTANY)
- RAIN FORESTS
- TREES (PLANTS)

**GEOCENTRIC COORDINATES**

- GS COORDINATES
- . PLANETOCENTRIC COORDINATES
- . **GEOCENTRIC COORDINATES**
- RT ASTRONOMICAL COORDINATES
- CELESTIAL REFERENCE SYSTEMS
- INERTIAL COORDINATES
- PLANET EPHEMERIDES
- SPHERICAL COORDINATES

**GEOCHEMISTRY**

- GS ENVIRONMENTAL CHEMISTRY
- . **GEOCHEMISTRY**
- . BIOGEOCHEMISTRY
- RT ∞ CHEMISTRY
- COSMOCHEMISTRY
- GEOCHRONOLOGY
- GEOLOGY
- GEOPHYSICS
- HYDROLOGY
- LIMNOLOGY
- MARINE CHEMISTRY
- MINERALOGY
- PALEOBIOLOGY
- PALEONTOLOGY
- PETROLOGY
- RADIOACTIVITY

**GEOCHRONOLOGY**

- GS CHRONOLOGY
- . **GEOCHRONOLOGY**
- . GEOLOGY
- . **GEOCHRONOLOGY**
- RT DENDROCHRONOLOGY
- GEOCHEMISTRY
- GEOPHYSICS
- PALEOBIOLOGY
- PALEONTOLOGY
- PARTICLE TRACKS
- RADIOACTIVE AGE DETERMINATION
- STRATIGRAPHY

**GEOCORONAL EMISSIONS**

- GS ATMOSPHERIC RADIATION
- . SKY RADIATION
- . AIRGLOW
- . **GEOCORONAL EMISSIONS**
- ELECTROMAGNETIC RADIATION
- . LIGHT (VISIBLE RADIATION)
- . SKY RADIATION
- . AIRGLOW
- . **GEOCORONAL EMISSIONS**

**GEOCYCLOTRONS**

- GS PARTICLE ACCELERATORS

**GEOCYCLOTRONS-(CONT.)**

- . CYCLOTRONS
- . **GEOCYCLOTRONS**
- RT ∞ ACCELERATORS
- ELEMENTARY PARTICLES

**GEODESIC LINES**

- GS GEOMETRY
- . EUCLIDEAN GEOMETRY
- . LINES (GEOMETRY)
- . **GEODESIC LINES**
- RT CHORDS (GEOMETRY)
- CURVES (GEOMETRY)

**GEODESY**

- UF EARTH FIGURE
- EARTH SHAPE
- IZSAK ELLIPSOID
- GS **GEODESY**
- . CELESTIAL GEODESY
- RT ALTIMETRY
- EARTH (PLANET)
- EARTH AXIS
- GEODETIC ACCURACY
- GEODETIC SURVEYS
- GEOIDS
- GEOLOGY
- GEOPHYSICS
- GRAVIMETERS
- LUNAR RETROREFLECTORS
- OBLATE SPHEROIDS
- OGO-4
- OGO-5
- PERTURBATION
- PHOTOMAPPING
- POLAR WANDERING (GEOLOGY)
- SATELLITE ALTIMETRY
- SATELLITE DOPPLER POSITIONING
- TOPOGRAPHY
- VINTI THEORY

**GEODETIC ACCURACY**

- GS ACCURACY
- . **GEODETIC ACCURACY**
- RT EARTH SURFACE
- GEODESY
- GEOIDS
- GEOPOTENTIAL HEIGHT
- SATELLITE DOPPLER POSITIONING

**GEODETIC COORDINATES**

- GS COORDINATES
- . **GEODETIC COORDINATES**
- RT INTERNATIONAL SATELLITE GEODESY
- EXPERIMENT
- LATITUDE
- LONGITUDE
- SATELLITE DOPPLER POSITIONING

**GEODETIC SATELLITES**

- GS ARTIFICIAL SATELLITES
- . **GEODETIC SATELLITES**
- . ANNA SATELLITES
- . EXPLORER 29 SATELLITE
- . EXPLORER 36 SATELLITE
- . GEOL SATELLITES
- . GEOS 1 SATELLITE
- . GEOS 2 SATELLITE
- . GEOS 3 SATELLITE
- . GEOSAT SATELLITES
- . LARGOS SATELLITE
- . PAGEOS SATELLITE
- . VANGUARD 1 SATELLITE
- RT ACTIVE SATELLITES
- CELESTIAL GEODESY
- NAVIGATION SATELLITES
- NAVSTAR SATELLITES
- PASSIVE SATELLITES
- SATELLITE ALTIMETRY
- SATELLITE DOPPLER POSITIONING
- VANGUARD SATELLITES

**GEODETIC SURVEYS**

- GS SURVEYS
- . **GEODETIC SURVEYS**
- RT GEODESY
- GEOLOGICAL SURVEYS
- PHOENIX QUADRANGLE (AZ)
- SATELLITE DOPPLER POSITIONING
- TOPOGRAPHY

**GEODIMETERS**

- GS MEASURING INSTRUMENTS
- . DISTANCE MEASURING EQUIPMENT
- . **GEODIMETERS**

**GEODIMETERS-(CONT.)**

- . OPTICAL MEASURING INSTRUMENTS
- . **GEODIMETERS**
- OPTICAL EQUIPMENT
- . OPTICAL MEASURING INSTRUMENTS
- . **GEODIMETERS**
- RT OPTICAL MEASUREMENT
- RANGE FINDERS
- TELLUROMETERS

**GEODYNAMIC EXPERIMENTAL OCEAN SATELLITE USE**

- GEOS-D SATELLITE

**GEODYNAMICS**

- UF CRUSTAL DYNAMICS
- RT CRUSTAL FRACTURES
- ∞ DYNAMICS
- EARTH MOVEMENTS
- GEOMORPHOLOGY
- GEOPHYSICS
- PLANETARY QUAKES
- SHOCK WAVES
- TERRADYNAMICS

**GEOELECTRICITY**

- GS ELECTRICITY
- . **GEOELECTRICITY**
- . TELLURIC CURRENTS
- RT EARTH (PLANET)
- GEOPHYSICS
- GEOPOTENTIAL

**GEOFABRICS**

- USE GEOTECHNICAL FABRICS

**GEOFRACTURES**

- USE GEOLOGICAL FAULTS

**GEOGRAPHIC APPLICATIONS PROGRAM**

- GS PROGRAMS
- . SPACE PROGRAMS
- . **GEOGRAPHIC APPLICATIONS PROGRAM**
- RT EARTH RESOURCES
- EARTH RESOURCES PROGRAM
- GEOGRAPHY
- MAPPING
- NASA PROGRAMS
- REMOTE SENSORS
- SATELLITE-BORNE PHOTOGRAPHY
- SOIL MAPPING
- TERRAIN ANALYSIS

**GEOGRAPHIC INFORMATION SYSTEMS**

- GS INFORMATION SYSTEMS
- . **GEOGRAPHIC INFORMATION SYSTEMS**
- RT AERIAL PHOTOGRAPHY
- DATA SYSTEMS
- GEOGRAPHY
- IMAGERY
- INFRARED PHOTOGRAPHY
- REMOTE SENSING

**GEOGRAPHY**

- GS **GEOGRAPHY**
- . HYPSOGRAPHY
- . OROGRAPHY
- RT ARCTIC REGIONS
- CADASTRAL MAPPING
- CLIMATOLOGY
- CONTINENTS
- EARTH (PLANET)
- EASTERN HEMISPHERE
- ECONOMIC DEVELOPMENT
- ESTUARIES
- GEOGRAPHIC APPLICATIONS PROGRAM
- GEOGRAPHIC INFORMATION SYSTEMS
- GEOMORPHOLOGY
- HEAT CAPACITY MAPPING MISSION
- MAPPING
- MAPS
- OCEANOGRAPHY
- OCEANS
- PLAINS
- POLAR REGIONS
- SELENOGRAPHY
- TEMPERATE REGIONS
- TROPICAL REGIONS
- TUNDRA
- WESTERN HEMISPHERE

**GEOIDS**

- RT ALTIMETRY
- GEODESY

## GEOLE SATELLITES

### GEOLDS-(CONT.)

- GEODETIC ACCURACY
- GEOMETRY
- GEOPHYSICS
- OBLATE SPHEROIDS
- SATELLITE ALTIMETRY
- SHAPES
- SPHEROIDS
- SYMMETRICAL BODIES

### GEOLE SATELLITES

- GS ARTIFICIAL SATELLITES
  - . FRENCH SATELLITES
  - . **GEOLE SATELLITES**
  - . GEODETIC SATELLITES
  - . **GEOLE SATELLITES**
  - . METEOROLOGICAL SATELLITES
  - . **GEOLE SATELLITES**
- RT EOLE SATELLITES
- FRENCH SPACE PROGRAMS

### GEOLOGICAL FAULTS

- UF CLOSED FAULTS
- CROSS FAULTS
- ECHOLON FAULTS
- GEOFRACTURES
- GRABENS
- RIFTS
- SPLITS (GEOLOGY)
- STEP FAULTS
- THRUST FAULTS
- GS **GEOLOGICAL FAULTS**
  - . AFRICAN RIFT SYSTEM
  - . SAN ANDREAS FAULT
- RT CREVASSES
- CRUSTAL FRACTURES
- EARTHQUAKE DAMAGE
- EARTHQUAKES
- ∞ FAULTS
- FISSURES (GEOLOGY)
- FOLDS (GEOLOGY)
- FORMATIONS
- INLIERS (LANDFORMS)
- LANDFORMS
- MASSIFS
- PLATES (TECTONICS)
- ROUSE BELTS
- SAN ANDREAS FAULT EXPERIMENT
- SYNCLINES

### GEOLOGICAL SURVEYS

- GS SURVEYS
- . **GEOLOGICAL SURVEYS**
- RT EXPLORATION
- GEODETIC SURVEYS
- GEOLOGY
- GEOPHYSICS
- PALEONTOLOGY
- PETROLOGY
- PHOTO GEOLOGY
- RADAR GEOLOGY

### GEOLOGY

- GS **GEOLOGY**
  - . CONES (VOLCANOES)
  - . CROSSBEDDING (GEOLOGY)
  - . GEOCHRONOLOGY
  - . GEOMORPHOLOGY
  - . GLACIOLOGY
  - . HYDROGEOLOGY
  - . KETTLES (GEOLOGY)
  - . LITHOLOGY
  - . LUNAR GEOLOGY
  - . OROGRAPHY
  - . PETROLOGY
  - . PETROGRAPHY
  - . PHOTO GEOLOGY
  - . RADAR GEOLOGY
  - . STRUCTURAL PROPERTIES (GEOLOGY)
  - . SUBDUCTION (GEOLOGY)
  - . TECTONICS
  - . VOLCANOES
  - . MARS VOLCANOES
  - . VOLCANOLOGY
- RT BEDROCK
- BEDS (GEOLOGY)
- BOREHOLES
- BRIDGES (LANDFORMS)
- CANADIAN SHIELD
- CONTACTS (GEOLOGY)
- CONTINENTAL SHELVES
- DOMES (GEOLOGY)
- EARTH (PLANET)
- EARTH PLANETARY STRUCTURE
- EXPLOITATION

### GEOLOGY-(CONT.)

- EXPLORATION
- FIORDS
- FORMATIONS
- GAPS (GEOLOGY)
- GEOCHEMISTRY
- GEODESY
- GEOLOGICAL SURVEYS
- GEOPHYSICAL OBSERVATORIES
- GEOPHYSICS
- GEOPRESSURE
- GEOTEMPERATURE
- GRAVIMETRY
- GREAT BASIN (US)
- INLIERS (LANDFORMS)
- ISTHMUSES
- KREEP
- MASSIFS
- METEOROLOGY
- MINERAL DEPOSITS
- MINERALOGY
- MINERALS
- MORPHOLOGY
- OCEAN BOTTOM
- OCEANOGRAPHY
- OIL EXPLORATION
- OUTCROPS
- PALEOMAGNETISM
- PALEONTOLOGY
- PENEPLAINS
- PHOTOMAPPING
- ∞ PHYSICAL SCIENCES
- PRECAMBRIAN PERIOD
- REGOLITH
- ROCK MECHANICS
- ROCKS
- ∞ SCIENCE
- SEISMOLOGY
- SHATTER CONES
- SOILS
- STRATIGRAPHY
- STRUCTURAL BASINS

### GEOMAGNETIC ANOMALIES

- USE MAGNETIC ANOMALIES

### GEOMAGNETIC CROTCHETS

- USE SUDDEN IONOSPHERIC DISTURBANCES

### GEOMAGNETIC EFFECTS

- USE MAGNETIC EFFECTS

### GEOMAGNETIC EQUATOR

- USE MAGNETIC EQUATOR

### GEOMAGNETIC FIELD

- USE GEOMAGNETISM

### GEOMAGNETIC HOLLOW

- GS ANOMALIES
  - . MAGNETIC ANOMALIES
  - . **GEOMAGNETIC HOLLOW**
- RT EARTH MAGNETOSPHERE
- MAGNETOHYDRODYNAMIC FLOW
- PLASMA CLOUDS

### GEOMAGNETIC LATITUDE

- GS LATITUDE
  - . **GEOMAGNETIC LATITUDE**
- RT COORDINATES
- GEOMAGNETISM
- POLAR CUSPS

### GEOMAGNETIC MICROPULSATIONS

- GS PULSES
  - . GEOMAGNETIC PULSATIONS
  - . **GEOMAGNETIC MICROPULSATIONS**
  - . MICROPULSATIONS
  - . **GEOMAGNETIC MICROPULSATIONS**
  - . VARIATIONS
  - . MAGNETIC VARIATIONS
  - . GEOMAGNETIC PULSATIONS
  - . **GEOMAGNETIC MICROPULSATIONS**
- RT NOCTURNAL VARIATIONS
- TELLURIC CURRENTS

### GEOMAGNETIC PULSATIONS

- GS PULSES
  - . **GEOMAGNETIC PULSATIONS**
  - . GEOMAGNETIC MICROPULSATIONS
  - . VARIATIONS
  - . MAGNETIC VARIATIONS
  - . **GEOMAGNETIC PULSATIONS**
  - . GEOMAGNETIC MICROPULSATIONS

### GEOMAGNETIC PULSATIONS-(CONT.)

- RT GEOMAGNETISM
- KP INDEX
- MAGNETOSPHERIC INSTABILITY
- NOCTURNAL VARIATIONS

### GEOMAGNETIC STORMS

- USE MAGNETIC STORMS

### GEOMAGNETIC TAIL

- GS ENVIRONMENTS
  - . EARTH MAGNETOSPHERE
  - . **GEOMAGNETIC TAIL**
- RT GEOMAGNETISM
- MAGNETIC FIELDS
- PLANETARY MAGNETIC FIELDS
- POLAR CUSPS

### GEOMAGNETICALLY TRAPPED PARTICLES

- USE RADIATION BELTS

### GEOMAGNETISM

- UF GEOMAGNETIC FIELD
- TERRESTRIAL MAGNETISM
- GS MAGNETIC FIELDS
  - . **GEOMAGNETISM**
  - . MAGNETIC PROPERTIES
  - . **GEOMAGNETISM**
- RT AEROMAGNETISM
- BARIUM ION CLOUDS
- CONTINENTAL DRIFT
- DYNAMO THEORY
- EARTH (PLANET)
- EARTH GRAVITATION
- EARTH MAGNETOSPHERE
- ELECTROJETS
- FIELD THEORY (PHYSICS)
- GEOMAGNETIC LATITUDE
- GEOMAGNETIC PULSATIONS
- GEOMAGNETIC TAIL
- GEOPHYSICS
- ∞ INCLINATION
- INTERNATIONAL MAGNETOSPHERIC STUDY
- KP INDEX
- M REGION
- MAGNETIC ANOMALIES
- MAGNETIC DISTURBANCES
- MAGNETIC EFFECTS
- MAGNETIC EQUATOR
- MAGNETIC POLES
- MAGNETIC SURVEYS
- MAGNETOIONICS
- MAGNETOMETERS
- MAGNETOSHEATH
- MAGSAT A SATELLITE
- MAGSAT B SATELLITE
- MAGSAT SATELLITES
- MAGSAT 1 SATELLITE
- PALEOMAGNETISM
- PLANETARY MAGNETIC FIELDS
- POLAR CUSPS
- SPACE PLASMAS
- VARIOMETERS

### GEOMETRIC ACCURACY

- GS ACCURACY
  - . **GEOMETRIC ACCURACY**
- RT DISTORTION
- GEOMETRIC RECTIFICATION (IMAGERY)
- IMAGE PROCESSING
- IMAGE RESOLUTION

### GEOMETRIC DILUTION OF PRECISION

- UF GDOP
- GS DILUTION
  - . **GEOMETRIC DILUTION OF PRECISION**
- RT PRECISION

### GEOMETRIC RECTIFICATION (IMAGERY)

- GS IMAGE PROCESSING
  - . **GEOMETRIC RECTIFICATION (IMAGERY)**
  - . RECTIFICATION
  - . **GEOMETRIC RECTIFICATION (IMAGERY)**
- RT ATMOSPHERIC CORRECTION
- GEOMETRIC ACCURACY
- IMAGE ENHANCEMENT
- IMAGERY

### GEOMETRICAL ACOUSTICS

- UF RAY ACOUSTICS
- GS ACOUSTICS
  - . **GEOMETRICAL ACOUSTICS**

## GEOPHYSICAL SATELLITES

### GEOMETRICAL ACOUSTICS-(CONT.)

RT GEOMETRICAL THEORY OF  
DIFFRACTION  
GEOMETRY  
WAVE PROPAGATION

### GEOMETRICAL HYDROMAGNETICS

USE MAGNETOHYDRODYNAMICS

### GEOMETRICAL OPTICS

UF RAY OPTICS  
RT ACOUSTO-OPTICS  
ASPHERICITY  
ASTIGMATISM  
CASSEGRAIN OPTICS  
CRYSTAL OPTICS  
DIFFRACTION PROPAGATION  
EIKONAL EQUATION  
FIBER OPTICS  
FOCUSING  
GEOMETRICAL THEORY OF  
DIFFRACTION  
GRADIENT INDEX OPTICS  
LIGHT (VISIBLE RADIATION)  
LIGHT TRANSMISSION  
NONLINEAR OPTICS  
OPTICAL EQUIPMENT  
OPTICAL MEASUREMENT  
OPTICAL PATHS  
OPTICAL PROPERTIES  
OPTICAL REFLECTION  
∞ OPTICS  
PHYSICAL OPTICS  
RAY TRACING  
SNELLS LAW  
UNDERWATER OPTICS

### GEOMETRICAL THEORY OF DIFFRACTION

RT DIFFRACTION  
DIFFRACTION PATTERNS  
GEOMETRICAL ACOUSTICS  
GEOMETRICAL OPTICS  
RAY TRACING  
REFLECTANCE  
∞ THEORIES  
WAVE DIFFRACTION

### GEOMETRODYNAMICS

USE RELATIVITY

### GEOMETRY

GS **GEOMETRY**  
BOSE GEOMETRY  
CRACK GEOMETRY  
CURVATURE  
CURVES (GEOMETRY)  
CATENARIES  
CYCLOIDS  
EPICYCLOIDS  
S CURVES  
GOMPERTZ CURVES  
CUSPS (MATHEMATICS)  
DOUBLE CUSPS  
DIFFERENTIAL GEOMETRY  
LIE GROUPS  
SPINOR GROUPS  
RIEMANN MANIFOLD  
TENSOR ANALYSIS  
DUCT GEOMETRY  
EUCLIDEAN GEOMETRY  
ANALYTIC GEOMETRY  
CATENARIES  
CIRCUMFERENCES  
CONICS  
ELLIPSES  
HYPERBOLAS  
PARABOLAS  
CYCLOIDS  
EPICYCLOIDS  
LOCI  
MERCATOR PROJECTION  
QUADRANTS  
S CURVES  
GOMPERTZ CURVES  
SPHEROIDS  
OBLATE SPHEROIDS  
PROLATE SPHEROIDS  
TANGENTS  
TORUSES  
TRIGONOMETRY  
ANGLES (GEOMETRY)  
ANGLE OF ATTACK  
ZERO ANGLE OF ATTACK  
BRAGG ANGLE  
BREWSTER ANGLE

### GEOMETRY-(CONT.)

DIHEDRAL ANGLE  
ELEVATION ANGLE  
LOOK ANGLES (ELECTRONICS)  
LOOK ANGLES (TRACKING)  
SWEEP ANGLE  
SWEEPBACK  
LEADING EDGE SWEEP  
CARTESIAN COORDINATES  
CIRCLES (GEOMETRY)  
GREAT CIRCLES  
DESCRIPTIVE GEOMETRY  
LINES (GEOMETRY)  
CHORDS (GEOMETRY)  
GEODESIC LINES  
POINTS (MATHEMATICS)  
FIXED POINTS (MATHEMATICS)  
INFLECTION POINTS  
POLYGONS  
HEXAGONS  
TETRAGONS  
PARALLELOGRAMS  
RHOMBOIDS  
RECTANGLES  
SQUARES (MATHEMATICS)  
TRAPEZOIDS  
TRIANGLES  
POLYHEDRONS  
CUBES (MATHEMATICS)  
ICOSAHEDRONS  
OCTAHEDRONS  
PARALLELEPIPEDS  
PYRAMIDS  
RHOMBOHEDRONS  
TETRAHEDRONS  
PROJECTIVE GEOMETRY  
MERCATOR PROJECTION  
RADII  
LARMOR RADIUS  
FLOW GEOMETRY  
FRACTALS  
NOZZLE GEOMETRY  
SPECIMEN GEOMETRY  
TANK GEOMETRY  
TOPOLOGY  
FIXED POINTS (MATHEMATICS)  
HOMOTOPY THEORY  
IMBEDDINGS (MATHEMATICS)  
INVARIANT IMBEDDINGS  
LINKS (MATHEMATICS)  
METRIC SPACE  
VECTOR ANALYSIS  
COLLINEARITY  
COPLANARITY  
CURL (VECTORS)  
VORTICITY  
RT ANALYSIS (MATHEMATICS)  
AREA  
BODIES OF REVOLUTION  
COMPLEX NUMBERS  
CONGRUENCES  
COORDINATES  
CROSS SECTIONS  
CRYSTAL LATTICES  
DIAGRAMS  
DIAMETERS  
DIMENSIONS  
DISTANCE  
FOCI  
FRUSTUMS  
GEOIDS  
GEOMETRICAL ACOUSTICS  
HYPERGEOMETRIC FUNCTIONS  
HYPERSPHERES  
INFINITY  
∞ MATHEMATICS  
MEASUREMENT  
PLANFORMS  
POINCARÉ SPHERES  
POSITION (LOCATION)  
PROFILES  
RECIPROCAL THEOREMS  
SCIENCE  
SHAPES  
SIDES  
SPHERES  
SURFACE GEOMETRY  
SURVEYS  
SYMMETRY  
TOROIDS  
UNIQUENESS THEOREM  
VENN DIAGRAMS  
VOLUME

### GEOMORPHOLOGY

UF PHYSIOGRAPHY

### GEOMORPHOLOGY-(CONT.)

GS GEOLOGY  
GEOMORPHOLOGY  
MORPHOLOGY  
GEOMORPHOLOGY  
RT CONES (VOLCANOES)  
CONTOURS  
GEODYNAMICS  
GEOGRAPHY  
GLACIOLOGY  
ISOSTASY  
LUNAR GEOLOGY  
MOUNTAINS  
OROGRAPHY  
PHOTO GEOLOGY  
SHATTER CONES  
SLUMPING  
TERRAIN  
TOPOGRAPHY  
VOLCANOES  
VOLCANOLOGY

### GEON (TRADEMARK)

USE POLYVINYL CHLORIDE

### GEOPHYSICAL FLUID FLOW CELLS

GS PAYLOADS  
SPACELAB PAYLOADS  
GEOPHYSICAL FLUID FLOW CELLS  
RT AEROSPACE ENVIRONMENTS  
∞ CELLS  
CONVECTIVE FLOW  
FLUID FLOW  
GAS FLOW  
INVESTIGATION  
JUPITER ATMOSPHERE  
SPACE TRANSPORTATION SYSTEM  
FLIGHTS  
SPACEBORNE EXPERIMENTS  
SPACELAB  
∞ TEST EQUIPMENT

### GEOPHYSICAL FLUIDS

RT EARTH CORE  
FLUID DYNAMICS  
GEOTHERMAL RESOURCES  
GEOTHERMAL TECHNOLOGY

### GEOPHYSICAL OBSERVATORIES

GS OBSERVATORIES  
GEOPHYSICAL OBSERVATORIES  
OGO  
EGO  
OGO-A  
OGO-3  
OGO-5  
OGO-6  
POGO  
OSO  
OSO-C  
OSO-1  
OSO-2  
OSO-3  
OSO-4  
OSO-5  
OSO-6  
OSO-7  
OSO-8  
RT ASTRONOMICAL OBSERVATORIES  
GEOLOGY  
GEOPHYSICS

### GEOPHYSICAL SATELLITES

GS ARTIFICIAL SATELLITES  
GEOPHYSICAL SATELLITES  
COSMOS SATELLITES  
INTERCOSMOS SATELLITES  
EXPLORER 6 SATELLITE  
EXPLORER 10 SATELLITE  
EXPLORER 12 SATELLITE  
EXPLORER 45 SATELLITE  
OGO  
EGO  
OGO-A  
OGO-3  
OGO-5  
POGO  
OGO-C  
OGO-4  
OGO-6  
OSO  
OSO-C  
OSO-1

## GEOPHYSICS

### GEOPHYSICAL SATELLITES-(CONT.)

... OSO-2  
... OSO-3  
... OSO-4  
... OSO-5  
... OSO-6  
... OSO-7  
... OSO-8  
... RADIATION AND METEOROID  
SATELLITE  
... SPUTNIK 3 SATELLITE  
... VANGUARD 3 SATELLITE  
RT ARIEL SATELLITES  
COMMUNICATION SATELLITES  
EOLE SATELLITES  
METEOROLOGICAL SATELLITES  
PEOLE SATELLITES  
SPACE LABORATORIES  
UNMANNED SPACECRAFT  
VANGUARD SATELLITES

### GEOPHYSICS

UF GEOASTROPHYSICS  
RT AERONOMY  
CONTINENTAL DRIFT  
EARTH (PLANET)  
EARTH PLANETARY STRUCTURE  
FORMATIONS  
GEOCHEMISTRY  
GEOCHRONOLOGY  
GEODESY  
GEODYNAMICS  
GEOELECTRICITY  
GEOIDS  
GEOLOGICAL SURVEYS  
GEOLOGY  
GEOMAGNETISM  
GEOPHYSICAL OBSERVATORIES  
GRAVIMETERS  
GRAVIMETRY  
HEAT TRANSMISSION  
HYDROGRAPHY  
HYDROLOGY  
INTERNATIONAL GEOPHYSICAL YEAR  
INTERNATIONAL  
GEOSPHERE-BIOSPHERE PROGRAM  
ISOSTASY  
LIMNOLOGY  
METEOROLOGY  
OCEANOGRAPHY  
PALEOMAGNETISM  
PETROLOGY  
∞ PHYSICS  
PLATES (TECTONICS)  
POLAR CUSPS  
∞ RADIATION  
RADIOACTIVITY  
∞ SCIENCE  
SEISMOLOGY  
STRATIGRAPHY  
STRUCTURAL PROPERTIES (GEOLOGY)  
TECTONICS  
THEORETICAL PHYSICS  
TILTMETERS  
TOPOGRAPHY

### GEOPOTENTIAL

GS **GEOPOTENTIAL**  
... GEOPOTENTIAL HEIGHT  
RT EARTH GRAVITATION  
GEOELECTRICITY  
GRAVITATIONAL FIELDS  
HEIGHT  
∞ POTENTIAL  
POTENTIAL ENERGY

### GEOPOTENTIAL HEIGHT

GS **GEOPOTENTIAL**  
... **GEOPOTENTIAL HEIGHT**  
POTENTIAL ENERGY  
... **GEOPOTENTIAL HEIGHT**  
RT ATMOSPHERIC PRESSURE  
EARTH ATMOSPHERE  
EARTH GRAVITATION  
GEODETIC ACCURACY  
GRAVITATIONAL FIELDS  
HEAD (FLUID MECHANICS)  
SCALE HEIGHT

### GEOPOTENTIAL RESEARCH MISSION

UF GRAVSAT SATELLITES  
GS ARTIFICIAL SATELLITES  
... SCIENTIFIC SATELLITES  
... **GEOPOTENTIAL RESEARCH MISSION**  
RT GRAVITATION

### GEOPOTENTIAL RESEARCH MISSION-(CONT.)

GRAVITATIONAL FIELDS  
  
**GEOPRESSURE**  
GS PRESSURE  
... **GEOPRESSURE**  
RT GEOLOGY  
GEOTHERMAL RESOURCES  
GEOTHERMAL TECHNOLOGY  
PRESSURE GRADIENTS  
  
**GEORGIA**  
GS NATIONS  
... UNITED STATES  
... **GEORGIA**  
RT ATLANTA (GA)  
SAND HILLS REGION (GA-NC-SC)

### GEOS SATELLITES (ESA)

UF GEOS SATELLITES (ESRO)  
GS ARTIFICIAL SATELLITES  
... ESA SATELLITES  
... **GEOS SATELLITES (ESA)**  
ESA SPACECRAFT  
... ESA SATELLITES  
... **GEOS SATELLITES (ESA)**  
RT EARTH MAGNETOSPHERE  
EUROPEAN SPACE PROGRAMS  
GEOSARI PROJECT

### GEOS SATELLITES (ESRO)

USE GEOS SATELLITES (ESA)

### GEOS 1 SATELLITE

GS ARTIFICIAL SATELLITES  
... GEODETIC SATELLITES  
... **GEOS 1 SATELLITE**  
RT ACTIVE SATELLITES  
ANNA SATELLITES  
CELESTIAL GEODESY  
EXPLORER 29 SATELLITE  
LARGOS SATELLITE  
PAGEOS SATELLITE

### GEOS 2 SATELLITE

UF GEOS-B SATELLITE  
GS ARTIFICIAL SATELLITES  
... GEODETIC SATELLITES  
... **GEOS 2 SATELLITE**  
RT ACTIVE SATELLITES  
ANNA SATELLITES  
CELESTIAL GEODESY  
EXPLORER 36 SATELLITE  
LARGOS SATELLITE  
PAGEOS SATELLITE

### GEOS 3 SATELLITE

UF GEOS-C SATELLITE  
GS ARTIFICIAL SATELLITES  
... GEODETIC SATELLITES  
... **GEOS 3 SATELLITE**  
RT ACTIVE SATELLITES  
ANNA SATELLITES  
CELESTIAL GEODESY  
LARGOS SATELLITE  
PAGEOS SATELLITE  
SATELLITE ALTIMETRY

### GEOS-B SATELLITE

USE GEOS 2 SATELLITE

### GEOS-C SATELLITE

USE GEOS 3 SATELLITE

### GEOS-D SATELLITE

UF GEODYNAMIC EXPERIMENTAL OCEAN  
SATELLITE  
GS ARTIFICIAL SATELLITES  
... **GEOS-D SATELLITE**

### GEOSARI PROJECT

GS PROGRAMS  
... PROJECTS  
... **GEOSARI PROJECT**  
RT ARIANE LAUNCH VEHICLE  
EUROPEAN SPACE AGENCY  
GEOS SATELLITES (ESA)

### GEOSAT SATELLITES

GS ARTIFICIAL SATELLITES  
... GEODETIC SATELLITES  
... **GEOSAT SATELLITES**  
RT SATELLITE ALTIMETRY

### GEOSTATIONARY OPERATIONAL ENVIRON SATS

USE GOES SATELLITES

### GEOSTATIONARY OPERATL ENVIRON SATELLITE

B  
USE GOES 2

### GEOSTATIONARY PLATFORMS

USE SYNCHRONOUS PLATFORMS

### GEOSTATIONARY SATELLITES

USE SYNCHRONOUS SATELLITES

### GEOSTROPHIC WIND

GS WIND (METEOROLOGY)  
... WINDS ALOFT  
... **GEOSTROPHIC WIND**  
RT BAROCLINIC INSTABILITY  
BAROCLINIC WAVES  
DIVERGENCE  
ISOBARS (PRESSURE)  
SEA BREEZE  
WIND SHEAR

### GEOSYNCHRONOUS EARTH ORBITAL ENVIRONMENTS

USE EARTH ORBITAL ENVIRONMENTS

### GEOSYNCHRONOUS ORBITS

GS ORBITS  
... SPACECRAFT ORBITS  
... SATELLITE ORBITS  
... **GEOSYNCHRONOUS ORBITS**  
RT CIRCULAR ORBITS  
EQUATORIAL ORBITS  
INFRARED ASTRONOMY SATELLITE  
STATIONARY ORBITS  
SYNCHRONOUS PLATFORMS  
TWENTY-FOUR HOUR ORBITS

### GEOSYNCLINES

RT ANTICLINES  
DOMES (GEOLOGY)  
∞ LAYERS  
STRATA  
STRATIFICATION  
STRATIGRAPHY  
SYNCLINES

### GEOTECHNICAL ENGINEERING

RT FOUNDATIONS  
SOIL MECHANICS  
STRUCTURAL DESIGN CRITERIA  
STRUCTURAL ENGINEERING

### GEOTECHNICAL FABRICS

UF GEOFABRICS  
GEOTEXTILES  
RT FABRICS  
SOIL MECHANICS

### GEOTEMPERATURE

UF GEOTHERMOMETRY  
RT GEOLOGY  
GEOTHERMAL ANOMALIES  
TEMPERATURE

### GEOTEXTILES

USE GEOTECHNICAL FABRICS

### GEOTHERMAL ANOMALIES

GS ANOMALIES  
... **GEOTHERMAL ANOMALIES**  
RT GEOTEMPERATURE  
GEOTHERMAL RESOURCES  
SURFACE TEMPERATURE  
THERMAL MAPPING

### GEOTHERMAL ENERGY CONVERSION

GS ENERGY CONVERSION  
... **GEOTHERMAL ENERGY CONVERSION**  
RT CLEAN ENERGY  
∞ CONVERSION  
EARTH RESOURCES  
ENGINES  
GEOTHERMAL TECHNOLOGY  
HEAT TRANSFER  
HEAT TRANSMISSION  
OCEAN THERMAL ENERGY CONVERSION  
THERMAL ENERGY  
TURBINES  
TURBOGENERATORS

**GEO THERMAL ENERGY EXTRACTION**

- GS EXTRACTION
  - . **GEO THERMAL ENERGY EXTRACTION**
- RT ENERGY CONVERSION
  - . ENERGY TECHNOLOGY
  - . GEO THERMAL TECHNOLOGY
  - . HEAT EXCHANGERS
  - . HEAT PUMPS
  - . HEAT TRANSMISSION
  - . HEATING
  - . TURBINES
  - . TURBOGENERATORS
  - . WATER HEATING

**GEO THERMAL ENERGY UTILIZATION**

- GS UTILIZATION
  - . **GEO THERMAL ENERGY UTILIZATION**
- RT COOLING
  - ∞ ELECTRIC POWER
  - . ENERGY STORAGE
  - . GEO THERMAL TECHNOLOGY
  - . HEAT PIPES
  - . HEAT STORAGE
  - . HEATING
  - ∞ POWER PLANTS
  - ∞ TURBOGENERATORS

**GEO THERMAL RESOURCES**

- GS HEAT SOURCES
  - . THERMAL RESOURCES
  - . **GEO THERMAL RESOURCES**
  - . . . GEYSERS
  - . RESOURCES
  - . EARTH RESOURCES
  - . . . THERMAL RESOURCES
  - . . . **GEO THERMAL RESOURCES**
  - . . . GEYSERS
- RT DRY HEAT
  - ∞ ENERGY SOURCES
  - . GEOPHYSICAL FLUIDS
  - . GEOPRESSURE
  - . GEO THERMAL ANOMALIES
  - . HEAT TRANSMISSION
  - . HYDROTHERMAL SYSTEMS
  - . THERMAL ENERGY
  - . THERMAL MAPPING
  - . UNDERWATER RESOURCES
  - . VOLCANOES

**GEO THERMAL TECHNOLOGY**

- GS TECHNOLOGIES
  - . ENERGY TECHNOLOGY
  - . **GEO THERMAL TECHNOLOGY**
- RT DRY HEAT
  - . EXPLORATION
  - . GEOPHYSICAL FLUIDS
  - . GEOPRESSURE
  - . GEO THERMAL ENERGY CONVERSION
  - . GEO THERMAL ENERGY EXTRACTION
  - . GEO THERMAL ENERGY UTILIZATION
  - . GEYSERS
  - . HEAT SOURCES
  - . HEAT TRANSFER
  - . OCEAN THERMAL ENERGY CONVERSION
  - . RESOURCES
  - . THERMAL RESOURCES

**GEO THERMOMETRY**

- USE GEOTEMPERATURE

**GEO TROPISM**

- GS TROPISM
  - . **GEO TROPISM**
- RT GRAVITATIONAL EFFECTS
  - . PHYSIOLOGICAL EFFECTS
  - . PLANTS (BOTANY)

**GEP TELESCOPES**

- USE PARTICLE TELESCOPES

**GERDIEN ARC HEATERS**

- USE ARC HEATING
  - . HEATING EQUIPMENT

**GERDIEN CONDENSERS**

- GS MEASURING INSTRUMENTS
  - . **GERDIEN CONDENSERS**
- RT CAPACITORS
  - . ION DENSITY (CONCENTRATION)

**GERIATRICS**

- GS MEDICAL SCIENCE
  - . **GERIATRICS**
- RT AGING (BIOLOGY)

**GERIATRICS-(CONT.)****GERONTOLOGY****GERMAN DEMOCRATIC REPUBLIC**

- USE EAST GERMANY

**GERMAN INFRARED LABORATORY**

- GS TELESCOPES
  - . SPACEBORNE TELESCOPES
  - . **GERMAN INFRARED LABORATORY**
- RT PAYLOADS
  - . SPACE SHUTTLES
  - . SPACELAB
  - . WEST GERMANY

**GERMANATES**

- GS GERMANIUM COMPOUNDS
  - . **GERMANATES**
  - . . . MAGNESIUM GERMANATES

**GERMANIDES**

- GS GERMANIUM COMPOUNDS
  - . **GERMANIDES**
  - . . . MAGNESIUM GERMANIDES
- RT GERMANIUM ALLOYS

**GERMANIUM**

- GS CHEMICAL ELEMENTS
  - . METALLOIDS
  - . **GERMANIUM**
  - . . . GERMANIUM ISOTOPES

**GERMANIUM ALLOYS**

- GS ALLOYS
  - . **GERMANIUM ALLOYS**
- RT GERMANIDES
  - . SILICON ALLOYS

**GERMANIUM ANTIMONIDES**

- GS ANTIMONY COMPOUNDS
  - . ANTIMONIDES
  - . **GERMANIUM ANTIMONIDES**
  - . GERMANIUM COMPOUNDS
  - . **GERMANIUM ANTIMONIDES**

**GERMANIUM CHLORIDES**

- GS GERMANIUM COMPOUNDS
  - . **GERMANIUM CHLORIDES**
  - . HALOGEN COMPOUNDS
  - . CHLORINE COMPOUNDS
  - . . . CHLORIDES
  - . . . **GERMANIUM CHLORIDES**
  - . . . HALIDES
  - . . . CHLORIDES
  - . . . **GERMANIUM CHLORIDES**

**GERMANIUM COMPOUNDS**

- GS **GERMANIUM COMPOUNDS**
  - . GERMANATES
  - . . . MAGNESIUM GERMANATES
  - . GERMANIDES
  - . . . MAGNESIUM GERMANIDES
  - . GERMANIUM ANTIMONIDES
  - . GERMANIUM CHLORIDES
  - . GERMANIUM OXIDES
  - . ORGANIC GERMANIUM COMPOUNDS
- RT ∞ CHEMICAL COMPOUNDS
  - ∞ GROUP 4A COMPOUNDS
  - ∞ METAL COMPOUNDS

**GERMANIUM DIODES**

- UF GERMANIUM RECTIFIERS
- GS ELECTRONIC EQUIPMENT
  - . DIODES
  - . . . SEMICONDUCTOR DIODES
  - . . . **GERMANIUM DIODES**
  - . . . SOLID STATE DEVICES
  - . . . SEMICONDUCTOR DEVICES
  - . . . **GERMANIUM DIODES**
  - . RECTIFIERS
  - . **GERMANIUM DIODES**
- RT JUNCTION DIODES
  - . TRANSISTORS

**GERMANIUM ISOTOPES**

- GS CHEMICAL ELEMENTS
  - . METALLOIDS
  - . . . GERMANIUM
  - . . . **GERMANIUM ISOTOPES**
  - . . . NUCLEIDES
  - . . . ISOTOPES
  - . . . **GERMANIUM ISOTOPES**

**GERMANIUM OXIDES**

- GS CHALCOGENIDES
  - . OXIDES
  - . . . **GERMANIUM OXIDES**
  - . GERMANIUM COMPOUNDS
  - . **GERMANIUM OXIDES**
- RT ∞ OXYGEN COMPOUNDS

**GERMANIUM RECTIFIERS**

- USE GERMANIUM DIODES

**GERMANY**

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT EAST GERMANY
  - . WEST GERMANY

**GERMICIDES**

- USE BACTERICIDES

**GERMINATION**

- RT CROP GROWTH
  - . GROWTH
  - . PHYTOTRONS
  - . VIABILITY

**GERMINATORS**

- USE PHYTOTRONS

**GERONTOLOGY**

- RT AGE FACTOR
  - . AGING (BIOLOGY)
  - . GERIATRICS
  - . LIFE SPAN

**GERT**

- UF GRAPHIC EVALUATION AND REVIEW
  - . TECHNIQUES
- RT CRITICAL PATH METHOD
  - . MANAGEMENT
  - . MANAGEMENT ANALYSIS
  - . MANAGEMENT METHODS
  - . MANAGEMENT PLANNING
  - ∞ METHODOLOGY
  - . PERT
  - . PROJECT MANAGEMENT

**GESTALT THEORY**

- RT PSYCHOTHERAPY
  - ∞ THEORIES

**GET AWAY SPECIALS (STS)**

- GS PAYLOADS
  - . SPACE SHUTTLE PAYLOADS
  - . . . **GET AWAY SPECIALS (STS)**
- RT OSS-1 PAYLOAD
  - . SPACE SHUTTLE MISSIONS
  - . SPACEBORNE EXPERIMENTS
  - . SPACELAB
  - . SPACELAB PAYLOADS

**GETOL AIRCRAFT**

- GS GROUND EFFECT MACHINES
  - . **GETOL AIRCRAFT**
- RT ∞ AIRCRAFT
  - ∞ SUBSONIC AIRCRAFT
  - ∞ VERTICAL TAKEOFF AIRCRAFT

**GETTERS**

- RT ION PUMPS
  - . PROPARGYL GROUPS
  - . PURIFICATION
  - . RESIDUAL GAS
  - . VACUUM
  - . VAPOR TRAPS

**GEYSERS**

- GS HEAT SOURCES
  - . THERMAL RESOURCES
  - . . . GEO THERMAL RESOURCES
  - . . . **GEYSERS**
  - . RESOURCES
  - . EARTH RESOURCES
  - . . . THERMAL RESOURCES
  - . . . GEO THERMAL RESOURCES
  - . . . **GEYSERS**
- RT ANOMALOUS TEMPERATURE ZONES
  - . GEO THERMAL TECHNOLOGY
  - . HYDROGEOLOGY
  - . HYDROTHERMAL SYSTEMS

**GHANA**

- GS NATIONS

## GHOSTS

### GHANA-(CONT.)

RT GHANA  
AFRICA

### GHOSTS

RT DISTORTION  
RADAR ECHOES  
RADIO ECHOES

### GIACOBINI-ZINNER COMET

GS CELESTIAL BODIES  
COMETS  
GIACOBINI-ZINNER COMET  
RT DRACONID METEORIODS

### GIANT STARS

GS CELESTIAL BODIES  
STARS  
GIANT STARS  
ASYMPTOTIC GIANT BRANCH  
STARS  
OMICRON CETI STAR  
RED GIANT STARS  
CARBON STARS  
RT COOL STARS  
F STARS  
G STARS  
K STARS  
LATE STARS  
M STARS  
MAIN SEQUENCE STARS  
S STARS  
SUBGIANT STARS  
SUPERGIANT STARS

### GIBBERELLINS

GS PLANTS (BOTANY)  
FUNGI  
GIBBERELLINS  
REGULATORS  
GIBBERELLINS  
RT HEMOSTATICS

### GIBBS ADSORPTION EQUATION

RT ADSORPTION  
EQUATIONS  
GIBBS EQUATIONS  
INTERFACIAL TENSION

### GIBBS EQUATIONS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT EQUATIONS  
GIBBS ADSORPTION EQUATION  
GIBBS FREE ENERGY  
GIBBS-HELMHOLTZ EQUATIONS  
PHASE RULE

### GIBBS FREE ENERGY

GS HEAT  
ENTHALPY  
GIBBS FREE ENERGY  
THERMODYNAMIC PROPERTIES  
ENTHALPY  
GIBBS FREE ENERGY  
FREE ENERGY  
GIBBS FREE ENERGY  
RT GIBBS EQUATIONS  
GIBBS-HELMHOLTZ EQUATIONS  
MAYER PROBLEM

### GIBBS PHENOMENON

RT DISCONTINUITY  
FOURIER SERIES  
SERIES (MATHEMATICS)

### GIBBS-HELMHOLTZ EQUATIONS

RT ELECTRIC POTENTIAL  
ENTHALPY  
EQUATIONS  
FREE ENERGY  
GIBBS EQUATIONS  
GIBBS FREE ENERGY  
INTERNAL ENERGY  
PRESSURE  
TEMPERATURE

### GIMBALLESS INERTIAL NAVIGATION

GS NAVIGATION  
INERTIAL NAVIGATION  
GIMBALLESS INERTIAL NAVIGATION  
RT GYROSCOPES  
INERTIAL PLATFORMS

### GIMBALLESS INERTIAL NAVIGATION-(CONT.)

NAVIGATION INSTRUMENTS

### GIMBALS

RT BEARINGS  
CONTROL MOMENT GYROSCOPES  
FLUID ROTOR GYROSCOPES  
GYRODAMPERS  
GYROSCOPES  
PIVOTS  
STABILIZED PLATFORMS  
SUPPORTS  
SWIVELS

### GIOTTO MISSION

GS ESA SPACECRAFT  
GIOTTO MISSION  
SPACE MISSIONS  
FLYBY MISSIONS  
GIOTTO MISSION  
UNMANNED SPACECRAFT  
SPACE PROBES  
GIOTTO MISSION  
RT HALLEY'S COMET

### GIRDER WEBS

GS STRUCTURAL MEMBERS  
PLATES (STRUCTURAL MEMBERS)  
GIRDER WEBS  
WEBS (SUPPORTS)  
GIRDER WEBS  
RT ELASTIC SHEETS  
GIRDERS  
METAL PLATES

### GIRDERS

GS STRUCTURAL MEMBERS  
GIRDERS  
RT BEAMS (SUPPORTS)  
BOX BEAMS  
GIRDER WEBS  
PLATES (STRUCTURAL MEMBERS)  
TRUSSES

### GIRDLES

RT BELTS  
PELVIS

### GLACIAL DRIFT

UF DRUMLINS  
END MORAINES  
ESKERS  
GLACIOFLUVIAL DEPOSITS  
MORAINES  
STOSS-AND-LEE TOPOGRAPHY  
RT DEBRIS  
GLACIERS  
KETTLES (GEOLOGY)  
LAND ICE  
LANDFORMS  
SEA ICE  
SEDIMENTS

### GLACIERS

UF ACTIVE GLACIERS  
ADVANCING GLACIERS  
GS CREVASSES  
GLACIERS  
ICE  
GLACIERS  
RESOURCES  
EARTH RESOURCES  
GLACIERS  
RT CIRQUES (LANDFORMS)  
GLACIAL DRIFT  
GLACIOLOGY  
LAND ICE  
SEA ICE

### GLACIOFLUVIAL DEPOSITS

USE GLACIAL DRIFT

### GLACIOLOGY

GS GEOLOGY  
GLACIOLOGY  
GEOMORPHOLOGY  
GLACIERS  
HYDROGEOLOGY  
ISOSTASY

### GLANDS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*

### GLANDS-(CONT.)

RT GLANDS (ANATOMY)  
GLANDS (SEALS)  
PUMP SEALS

### GLANDS (ANATOMY)

GS ANATOMY  
GLANDS (ANATOMY)  
ENDOCRINE GLANDS  
ADRENAL GLAND  
GONADS  
OVARIES  
TESTES  
HYPOTHALAMUS  
PANCREAS  
PARATHYROID GLAND  
PINEAL GLAND  
PITUITARY GLAND  
THYMUS GLAND  
THYROID GLAND  
MAMMARY GLANDS  
SALIVARY GLANDS  
SEBACEOUS GLANDS  
SEX GLANDS  
GONADS  
OVARIES  
TESTES  
PROSTATE GLAND  
RT ENDOCRINE SYSTEMS  
GASTROINTESTINAL SYSTEM  
GLANDS  
LIVER  
ORGANS  
SECRECTIONS

### GLANDS (SEALS)

GS SEALS (STOPPERS)  
GLANDS (SEALS)  
RT GLANDS  
LABYRINTH SEALS  
O RING SEALS  
PACKINGS (SEALS)  
PUMP SEALS  
SEALING

### GLARE

RT BRIGHTNESS  
COMFORT  
DAYGLOW  
ELECTROMAGNETIC RADIATION  
HUMAN FACTORS ENGINEERING  
ILLUMINATING  
LIGHT (VISIBLE RADIATION)  
LUMINANCE  
LUSTER  
OPTICAL PROPERTIES  
RADIANCE  
SKY BRIGHTNESS  
SPECULAR REFLECTION  
SPREAD REFLECTION  
VISIBILITY  
VISION

### GLASS

GS GLASS  
BOROSILICATE GLASS  
E GLASS  
S GLASS  
GLASS FIBERS  
METALLIC GLASSES  
OBSIDIAN GLASS  
PYROCERAM (TRADEMARK)  
SILICA GLASS  
SPIN GLASS  
VYCOR  
RT AMORPHOUS MATERIALS  
CERAMICS  
ELECTROSTATIC BONDING  
GLASS TRANSITION TEMPERATURE  
GLASSWARE  
GLASSY CARBON  
GRIFFITH CRACK  
MATERIALS  
MOLDAVITE  
OBSIDIAN  
OPTICAL PROPERTIES  
PHOTOGRAPHIC PLATES  
PORCELAIN  
SILICON DIOXIDE  
VITREOUS MATERIALS  
VITRIFICATION

### GLASS COATINGS

SN *(COATINGS CONSISTING OF GLASS)*  
GS COATINGS

# GLOBAL TRACKING NETWORK

## GLASS COATINGS-(CONT.)

RT GLASS COATINGS  
GLAZES  
METALLIC GLASSES  
PROTECTIVE COATINGS  
SILICA GLASS

## GLASS ELECTRODES

GS ELECTRODES  
RT GLASS ELECTRODES  
ELECTROCHEMISTRY  
ION EXCHANGING  
SILICA GLASS

## GLASS FIBER REINFORCED PLASTICS

GS COMPOSITE MATERIALS  
FIBER COMPOSITES  
GLASS FIBER REINFORCED PLASTICS  
POLYMER MATRIX COMPOSITES  
REINFORCED PLASTICS  
GLASS FIBER REINFORCED PLASTICS  
PLASTICS  
REINFORCED PLASTICS  
GLASS FIBER REINFORCED PLASTICS  
RT AIRFRAME MATERIALS  
COMPOSITE STRUCTURES  
E GLASS  
FIBER ORIENTATION  
FIBERS  
LAMINATES  
PLASTIC AIRCRAFT STRUCTURES  
PULTRUSION  
REINFORCING FIBERS  
S GLASS  
THERMOPLASTIC RESINS  
THERMOSETTING RESINS

## GLASS FIBERS

UF FIBERGLASS  
GS FIBERS  
SYNTHETIC FIBERS  
GLASS FIBERS  
GLASS  
GLASS FIBERS  
RT BORON FIBERS  
E GLASS  
GRADIENT INDEX OPTICS  
METALLIC GLASSES  
OPTICAL FIBERS  
REINFORCING FIBERS  
S GLASS  
SILICA GLASS  
VYCOR

## GLASS LASERS

GS STIMULATED EMISSION DEVICES  
LASERS  
GLASS LASERS  
RT HIGH POWER LASERS  
LASER FUSION  
LASER OUTPUTS  
LASER PLASMA INTERACTIONS  
LASER TARGETS  
NEODYMIUM LASERS  
OPTICAL PUMPING  
PULSED LASERS  
ULTRASHORT PULSED LASERS

## GLASS TRANSITION TEMPERATURE

GS TEMPERATURE  
GLASS TRANSITION TEMPERATURE  
RT CURING  
EPOXY RESINS  
GLASS  
POLYMER CHEMISTRY  
POLYMER PHYSICS  
TEMPERATURE EFFECTS  
TRANSITION TEMPERATURE

## GLASSWARE

RT BOROSILICATE GLASS  
BOTTLES  
BURETTES  
CONTAINERS  
FLASKS  
GLASS  
LABORATORY EQUIPMENT  
PIPETTES  
SILICA GLASS

## GLASSY CARBON

GS COMPOSITE MATERIALS

## GLASSY CARBON-(CONT.)

RT GLASSY CARBON  
CARBON  
GLASS  
MATERIALS

## GLAUBER THEORY

RT APPROXIMATION  
ELASTIC SCATTERING  
POMERANCHUK THEOREM  
THEORIES

## GLAUCOMA

GS DISEASES  
EYE DISEASES  
GLAUCOMA  
RT INTRAOCULAR PRESSURE

## GLAUERT COEFFICIENT

USE AERODYNAMIC FORCES  
MACH NUMBER

## GLAZES

GS COATINGS  
GLAZES  
FINISHES  
GLAZES  
RT CERAMICS  
FRIT  
GLASS COATINGS  
PORCELAIN  
PROTECTIVE COATINGS

## GLIDE ANGLES

USE GLIDE PATHS

## GLIDE LANDINGS

GS LANDING  
GLIDE LANDINGS  
HORIZONTAL SPACECRAFT LANDING  
RT AIRCRAFT LANDING  
CRASH LANDING  
DITCHING (LANDING)  
PLANETARY LANDING  
SOFT LANDING  
SPACECRAFT LANDING  
WATER LANDING

## GLIDE PATHS

UF GLIDE ANGLES  
GLIDE SLOPES  
GS FLIGHT PATHS  
GLIDE PATHS  
SLOPES  
GLIDE PATHS  
RT AIRCRAFT APPROACH SPACING  
APPROACH CONTROL  
APPROACH INDICATORS  
GLIDING  
INSTRUMENT APPROACH  
INSTRUMENT LANDING SYSTEMS  
TERMINAL GUIDANCE

## GLIDE SLOPES

USE GLIDE PATHS

## GLIDERS

UF SAILPLANES  
GS GLIDERS  
ASSET GLIDERS  
BOOSTGLIDE VEHICLES  
X-20 AIRCRAFT  
HANG GLIDERS  
HL-10 REENTRY VEHICLE  
HYPERSONIC GLIDERS  
X-20 AIRCRAFT  
JANUS SPACECRAFT  
KA-6 SAILPLANES  
PARAGLIDERS  
INFLATABLE GLIDERS  
RT AEROSPACE PLANES  
AIRCRAFT  
FLEXIBLE WINGS  
FREE FLIGHT  
GLIDING  
LIFTING REENTRY VEHICLES  
MILITARY AIRCRAFT  
MONOPLANES  
OBSERVATION AIRCRAFT  
SAILS  
SAILWINGS  
SOARING  
SUBSONIC AIRCRAFT  
TOWED BODIES

## GLIDERS-(CONT.)

WINGED VEHICLES

## GLIDING

RT BOOSTGLIDE VEHICLES  
DESCENT  
FLIGHT  
FLIGHT PATHS  
FREE FLIGHT  
GLIDE PATHS  
GLIDERS  
KA-6 SAILPLANES  
LIFT  
MOTION  
SOARING

## GLIMM METHOD

GS ANALYSIS (MATHEMATICS)  
NUMERICAL ANALYSIS  
GLIMM METHOD  
PROCEDURES  
GLIMM METHOD  
RT EQUATIONS  
FLUID DYNAMICS  
METHODOLOGY

## GLINT

RT ANGELS (RADAR)  
RADAR ECHOES  
SCINTILLATION

## GLOBAL AIR POLLUTION

GS POLLUTION  
ENVIRONMENT POLLUTION  
AIR POLLUTION  
GLOBAL AIR POLLUTION  
RT EARTH ATMOSPHERE  
ENVIRONMENTS  
POLLUTION MONITORING  
POLLUTION TRANSPORT

## GLOBAL AIR SAMPLING PROGRAM

UF GASP  
RT AIR POLLUTION  
AIR SAMPLING  
ENVIRONMENTAL QUALITY  
SAMPLING

## GLOBAL ATMOSPHERIC RESEARCH PROGRAM

UF GARP  
GS PROGRAMS  
GLOBAL ATMOSPHERIC RESEARCH PROGRAM  
GARP ATLANTIC TROPICAL EXPERIMENT  
RT AEROLOGY  
INTEGRATED GLOBAL OCEAN STATION SYSTEMS  
METEOROLOGY  
NASA PROGRAMS  
WEATHER  
WEATHER RECONNAISSANCE AIRCRAFT

## GLOBAL COMMUNICATIONS ANTENNA GRID (NAVY)

USE SEAFARER PROJECT

## GLOBAL POSITIONING SYSTEM

RT AUTONOMOUS SPACECRAFT CLOCKS  
FLIGHT PATHS  
NAVIGATION  
POSITION INDICATORS  
POSITIONING  
SATELLITE NAVIGATION SYSTEMS  
SPACE NAVIGATION  
SYSTEMS

## GLOBAL TRACKING NETWORK

UF GLOTRAC (TRACKING NETWORK)  
GS STATIONS  
TRACKING STATIONS  
GLOBAL TRACKING NETWORK  
TRACKING NETWORKS  
GLOBAL TRACKING NETWORK  
RT DATA ACQUISITION  
GROUND STATIONS  
MINITRACK SYSTEM  
NASCOM NETWORK  
OPTICAL TRACKING  
RADIO RELAY SYSTEMS  
RANGE AND RANGE RATE TRACKING  
SATELLITE TRACKING  
SPACE FLIGHT TRACKING AND DATA NETWORK



## GLOBES

### GLOBAL TRACKING NETWORK-(CONT.)

STDN (NETWORK)

### ∞ GLOBES

(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)

RT EARTH (PLANET)  
LUMINAIRES  
MAPS  
SPHERES

### GLOBULAR CLUSTERS

GS CELESTIAL BODIES  
. STAR CLUSTERS  
. . . GLOBULAR CLUSTERS  
. . . HORIZONTAL BRANCH STARS  
RT ∞ CLUSTERS  
COLOR-MAGNITUDE DIAGRAM  
METALLICITY  
STAR DISTRIBUTION

### GLOBULES

RT FALLING SPHERES  
INTERFACIAL TENSION  
LIQUIDS  
MICROBALLOONS  
SPHERES

### GLOBULINS

GS BIOPOLYMERS  
. PROTEINS  
. . . GLOBULINS  
. . . FIBRINOGEN  
. . . GAMMA GLOBULIN  
ORGANIC COMPOUNDS  
. PROTEINS  
. . . GLOBULINS  
. . . FIBRINOGEN  
. . . GAMMA GLOBULIN

### GLOMERULUS

GS ANATOMY  
. CIRCULATORY SYSTEM  
. . . CARDIOVASCULAR SYSTEM  
. . . BLOOD VESSELS  
. . . . CAPILLARIES (ANATOMY)  
. . . . GLOMERULUS  
. . . GENITOURINARY SYSTEM  
. . . KIDNEYS  
. . . GLOMERULUS  
RT RENAL FUNCTION

### GLOSSARIES

USE DICTIONARIES

### GLOSTER GA-5 AIRCRAFT

USE GA-5 AIRCRAFT

### GLOTRAC (TRACKING NETWORK)

USE GLOBAL TRACKING NETWORK

### GLOTTIS

GS ANATOMY  
. RESPIRATORY SYSTEM  
. . LARYNX  
. . . GLOTTIS  
RT VOCAL CORDS

### GLOVES

GS CLOTHING  
. GLOVES  
RT PROTECTIVE CLOTHING

### GLOW

USE LUMINESCENCE

### GLOW DISCHARGES

GS ELECTRIC CURRENT  
. ELECTRIC DISCHARGES  
. . GLOW DISCHARGES  
RT CATHODE GLOW  
ELECTRIC ARCS  
ELECTRIC CORONA  
ELECTRODELESS DISCHARGES  
FARADAY DARK SPACE  
GAS DISCHARGES  
LIGHT SOURCES  
PLASMA DISPLAY DEVICES  
PLASMA RADIATION

### GLUCOSE

GS ORGANIC COMPOUNDS  
. CARBOHYDRATES

### GLUCOSE-(CONT.)

. . SUGARS  
. . . MONOSACCHARIDES  
. . . . HEXOSES  
. . . . . GLUCOSE

### GLUCOSIDES

UF GLYCOSIDES  
GS ORGANIC COMPOUNDS  
. CARBOHYDRATES  
. . GLUCOSIDES  
. . . NUCLEOSIDES  
. . . . ADENINES  
. . . . GUANOSINES

### GLUES

GS ADHESIVES  
. GLUES  
RT PASTES  
SIZING MATERIALS  
TETRAETHYL ORTHOSILICATE

### GLUONS

GS PARTICLES  
. ELEMENTARY PARTICLES  
. . GLUONS  
RT LEPTONS  
MESONS  
QUANTUM CHROMODYNAMICS  
QUARKS

### GLUTAMATES

GS ESTERS  
. GLUTAMATES  
RT GLUTAMIC ACID

### GLUTAMIC ACID

GS ACIDS  
. AMINO ACIDS  
. . GLUTAMIC ACID  
ORGANIC COMPOUNDS  
. AMINO ACIDS  
. . GLUTAMIC ACID  
RT GLUTAMATES

### GLUTAMINE

GS ACIDS  
. AMINO ACIDS  
. . GLUTAMINE  
ORGANIC COMPOUNDS  
. AMINO ACIDS  
. . GLUTAMINE

### GLUTATHIONE

GS ORGANIC COMPOUNDS  
. COENZYMES  
. . GLUTATHIONE  
. . . PEPTIDES  
. . . POLYPEPTIDES  
. . . GLUTATHIONE

### GLYCERIDES

GS ESTERS  
. GLYCERIDES  
RT GLYCEROLS  
NITROGLYCERIN

### GLYCERINS

USE GLYCEROLS

### GLYCEROLS

UF GLYCERINS  
RT ALCOHOLS  
CARBOHYDRATES  
GLYCERIDES  
LIPIDS  
LIQUIDS  
NITROGLYCERIN  
TRIACETIN

### GLYCINE

GS ACIDS  
. AMINO ACIDS  
. . GLYCINE  
ORGANIC COMPOUNDS  
. AMINO ACIDS  
. . GLYCINE

### GLYCOGENS

GS ORGANIC COMPOUNDS  
. CARBOHYDRATES  
. . POLYSACCHARIDES  
. . . GLYCOGENS

### GLYCOLS

GS HYDROXYL COMPOUNDS  
. ALCOHOLS  
. . GLYCOLS  
RT HYDROXYL RADICALS

### GLYCOLYSIS

GS CHEMICAL REACTIONS  
. GLYCOLYSIS  
DECOMPOSITION  
. GLYCOLYSIS

### GLYCOSIDES

USE GLUCOSIDES

### GNEISS

GS ROCKS  
. GNEISS  
RT SOILS

### GNOMONIC PROJECTION

RT PHOTOMAPPING  
∞ PROJECTION  
PROJECTIVE GEOMETRY

### GNOTOBIOTICS

RT BACTERIA  
BACTERIOLOGY  
CLOSED ECOLOGICAL SYSTEMS  
CONTROLLED ATMOSPHERES  
ISOLATION  
MICROBIOLOGY  
MICROORGANISMS  
STERILIZATION

### GNP

USE GROSS NATIONAL PRODUCT

### GOAL THEORY

RT GOALS  
∞ THEORIES

### GOALS

RT ACHIEVEMENT  
ENGINEERING MANAGEMENT  
GOAL THEORY  
PROJECT PLANNING  
PURPOSES  
RESEARCH MANAGEMENT

### GOATS

GS ANIMALS  
. VERTEBRATES  
. . MAMMALS  
. . . GOATS  
RT GRAZING  
LIVESTOCK

### GOBI DESERT

GS LAND  
. DESERTS  
. . GOBI DESERT  
RT ARID LANDS  
DESERTIFICATION

### GODDARD EXPERIMENT PACKAGE TELESCOPE

USE PARTICLE TELESCOPES

### GODDARD TRAJECTORY DETERMINATION SYSTEM

UF GTDS  
RT COMPUTER PROGRAMS  
INTERPLANETARY TRAJECTORIES  
MOON-EARTH TRAJECTORIES  
ORBIT CALCULATION  
ORBITAL MECHANICS  
ORBITAL POSITION ESTIMATION  
SPACECRAFT TRAJECTORIES  
∞ SYSTEMS  
TRAJECTORY ANALYSIS  
TRAJECTORY OPTIMIZATION

### GOERTLER INSTABILITY

UF TAYLOR-GOERTLER INSTABILITY  
GS STABILITY  
. GOERTLER INSTABILITY  
RT BOUNDARY LAYER STABILITY  
BOUNDARY LAYER TRANSITION  
CENTRIFUGAL FORCE  
FLOW STABILITY  
LAMINAR BOUNDARY LAYER  
ROTATING FLUIDS  
ROTATING LIQUIDS  
TAYLOR INSTABILITY

**GOERTLER INSTABILITY-(CONT.)**

VORTICES  
WALL FLOW

**GOES SATELLITES**

UF GEOSTATIONARY OPERATIONAL  
ENVIRON SATS  
GS ARTIFICIAL SATELLITES  
.. SYNCHRONOUS SATELLITES  
.. **GOES SATELLITES**  
.. GOES 1  
.. GOES 2  
.. GOES 3  
.. GOES 4  
.. GOES 5  
.. GOES 6  
.. GOES 7  
.. GOES-G

**GOES 1**

GS ARTIFICIAL SATELLITES  
.. SYNCHRONOUS SATELLITES  
.. GOES SATELLITES  
.. **GOES 1**  
RT METEOROLOGICAL SATELLITES

**GOES 2**

UF GEOSTATIONARY OPERATL ENVIRON  
SATELLITE 8  
GS ARTIFICIAL SATELLITES  
.. SYNCHRONOUS SATELLITES  
.. GOES SATELLITES  
.. **GOES 2**  
RT METEOROLOGICAL SATELLITES  
SMS 1  
SMS 2

**GOES 3**

GS ARTIFICIAL SATELLITES  
.. SYNCHRONOUS SATELLITES  
.. GOES SATELLITES  
.. **GOES 3**  
RT METEOROLOGICAL SATELLITES

**GOES 4**

GS ARTIFICIAL SATELLITES  
.. SYNCHRONOUS SATELLITES  
.. GOES SATELLITES  
.. **GOES 4**  
RT METEOROLOGICAL SATELLITES

**GOES 5**

GS ARTIFICIAL SATELLITES  
.. SYNCHRONOUS SATELLITES  
.. GOES SATELLITES  
.. **GOES 5**  
RT METEOROLOGICAL SATELLITES

**GOES 6**

GS ARTIFICIAL SATELLITES  
.. METEOROLOGICAL SATELLITES  
.. **GOES 6**  
.. SYNCHRONOUS SATELLITES  
.. GOES SATELLITES  
.. **GOES 6**

**GOES 7**

GS ARTIFICIAL SATELLITES  
.. SYNCHRONOUS SATELLITES  
.. GOES SATELLITES  
.. **GOES 7**

**GOES-G**

GS ARTIFICIAL SATELLITES  
.. SYNCHRONOUS SATELLITES  
.. GOES SATELLITES  
.. **GOES-G**

**GOGGLES**

GS CLOTHING  
.. **GOGGLES**  
RT EYE PROTECTION  
FLIGHT CLOTHING  
HELMETS  
PROTECTIVE CLOTHING  
SUNGLASSES

**GOLAY DETECTOR CELLS**

GS MEASURING INSTRUMENTS  
.. RADIATION MEASURING INSTRUMENTS  
.. RADIATION DETECTORS  
.. **GOLAY DETECTOR CELLS**  
RT ENERGY ABSORPTION FILMS  
PNEUMATIC EQUIPMENT

**GOLAY DETECTOR CELLS-(CONT.)**

RADIATION ABSORPTION

**GOLD**

GS CHEMICAL ELEMENTS  
.. **GOLD**  
.. GOLD ISOTOPES  
.. GOLD 198  
METALS  
.. NOBLE METALS  
.. **GOLD**  
.. GOLD ISOTOPES  
.. GOLD 198  
.. TRANSITION METALS  
.. **GOLD**  
.. GOLD ISOTOPES  
.. GOLD 198

**GOLD ALLOYS**

GS ALLOYS  
.. **GOLD ALLOYS**  
RT COPPER ALLOYS  
NICKEL ALLOYS  
SILVER ALLOYS

**GOLD COATINGS**

UF GOLD PLATE  
GS COATINGS  
.. METAL COATINGS  
.. **GOLD COATINGS**  
RT NICKEL PLATE  
PROTECTIVE COATINGS

**GOLD ISOTOPES**

GS CHEMICAL ELEMENTS  
.. GOLD  
.. **GOLD ISOTOPES**  
.. GOLD 198  
.. NUCLIDES  
.. ISOTOPES  
.. RADIOACTIVE ISOTOPES  
.. **GOLD ISOTOPES**  
.. GOLD 198  
METALS  
.. NOBLE METALS  
.. GOLD  
.. **GOLD ISOTOPES**  
.. GOLD 198  
.. TRANSITION METALS  
.. GOLD  
.. **GOLD ISOTOPES**  
.. GOLD 198

**GOLD PLATE**

USE GOLD COATINGS

**GOLD 198**

GS CHEMICAL ELEMENTS  
.. GOLD  
.. GOLD ISOTOPES  
.. **GOLD 198**  
.. NUCLIDES  
.. ISOTOPES  
.. RADIOACTIVE ISOTOPES  
.. GOLD ISOTOPES  
.. **GOLD 198**  
METALS  
.. NOBLE METALS  
.. GOLD  
.. GOLD ISOTOPES  
.. **GOLD 198**  
.. TRANSITION METALS  
.. GOLD  
.. GOLD ISOTOPES  
.. **GOLD 198**

**GOMPERTZ CURVES**

GS CHARTS  
.. GRAPHS (CHARTS)  
.. **GOMPERTZ CURVES**  
GEOMETRY  
.. CURVES (GEOMETRY)  
.. S CURVES  
.. **GOMPERTZ CURVES**  
.. EUCLIDEAN GEOMETRY  
.. ANALYTIC GEOMETRY  
.. S CURVES  
.. **GOMPERTZ CURVES**

**GONADS**

GS ANATOMY  
.. GENITOURINARY SYSTEM  
.. REPRODUCTIVE SYSTEMS  
.. SEX GLANDS  
.. **GONADS**

**GONADS-(CONT.)**

.. OVARIES  
.. TESTES  
.. GLANDS (ANATOMY)  
.. ENDOCRINE GLANDS  
.. **GONADS**  
.. OVARIES  
.. TESTES  
.. SEX GLANDS  
.. **GONADS**  
.. OVARIES  
.. TESTES  
RT PHYSIOLOGICAL EFFECTS  
∞ REPRODUCTION

**GONDOLAS**

RT AIRCRAFT COMPARTMENTS  
AIRSHIPS  
BALLOONS  
BASKETS

**GONIOMETERS**

GS MEASURING INSTRUMENTS  
.. **GONIOMETERS**  
.. PHOTOGONIOMETERS  
.. RADIOGONIOMETERS  
RT ANGLES (GEOMETRY)  
DIFFRACTOMETERS  
ETALONS  
INTERFEROMETERS  
MACH-ZEHNDER INTERFEROMETERS  
MONOCHROMATORS  
OPTICAL MEASURING INSTRUMENTS  
REFRACTOMETERS  
SPECTROMETERS

**GOODNESS OF FIT**

GS STATISTICAL ANALYSIS  
.. **GOODNESS OF FIT**  
RT FITTING  
MATHEMATICAL MODELS  
MAXIMUM LIKELIHOOD ESTIMATES  
PROBABILITY DISTRIBUTION FUNCTIONS  
PROBABILITY THEORY  
STATISTICAL DISTRIBUTIONS  
STATISTICAL TESTS  
VARIANCE (STATISTICS)

**GORES**

RT FABRICS  
PARACHUTE FABRICS

**GORGES**

USE CANYONS

**GOSS (SUPPORT SYSTEM)**

USE GROUND OPERATIONAL SUPPORT  
SYSTEM

**GOVERNMENT PROCUREMENT**

GS PROCUREMENT  
.. **GOVERNMENT PROCUREMENT**  
RT COMMODITIES  
CONTRACTS  
FEDERAL BUDGETS  
SERVICES

**GOVERNMENT/INDUSTRY RELATIONS**

RT COMMERCE LAB  
CONTRACT NEGOTIATION  
CONTRACTORS  
CONTRACTS  
PROCUREMENT

**GOVERNMENTS**

RT CONSTITUTION  
CULTURE (SOCIAL SCIENCES)  
POLICIES  
POLITICS  
REGIMES  
VOTING

**GOVERNORS**

USE SPEED REGULATORS

**GRABENS**

USE GEOLOGICAL FAULTS

**∞ GRADE**

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT ANGLES (GEOMETRY)  
GRADIENTS

## GRADIENT INDEX OPTICS

### GRADE-(CONT.)

LEVEL (HORIZONTAL)  
POSITION (TITLE)  
QUALITY  
SLOPES

### GRADIENT INDEX OPTICS

RT FIBER OPTICS  
GEOMETRICAL OPTICS  
GLASS FIBERS  
LENS DESIGN  
LENSES  
NONLINEAR OPTICS  
OPTICAL PROPERTIES  
∞ OPTICS  
PHYSICAL OPTICS  
RAY TRACING  
REFRACTIVITY

### GRADIENTS

GS **GRADIENTS**  
ELECTRON DENSITY PROFILES  
POTENTIAL GRADIENTS  
PRESSURE GRADIENTS  
TEMPERATURE GRADIENTS  
THERMOCLINES  
RT ANGLES (GEOMETRY)  
COMPOSITION (PROPERTY)  
CONJUGATE GRADIENT METHOD  
∞ CROSS SECTIONS  
DIFFERENCES  
DISTRIBUTION (PROPERTY)  
∞ DROP  
∞ GRADE  
GRAVITY GRADIOMETERS  
ISOBARS (PRESSURE)  
ISOTHERMS  
LEVEL (HORIZONTAL)  
OPTIMIZATION  
∞ PROFILES  
SLOPES  
VARIATIONS  
VECTOR ANALYSIS

### ∞ GRADIOMETERS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED-CONSULT THE TERMS  
LISTED BELOW)*  
RT GRAVITY GRADIOMETERS  
MAGNETOMETERS

### GRADUATION

USE CALIBRATING

### GRAEFF CALCULUS

GS ANALYSIS (MATHEMATICS)  
CALCULUS  
GRAEFF CALCULUS  
NUMERICAL ANALYSIS  
GRAEFF CALCULUS

### GRAFTING

RT IMPLANTATION  
INSERTION

### GRAIN BOUNDARIES

GS BOUNDARIES  
GRAIN BOUNDARIES  
RT CRYSTAL DISLOCATIONS  
GRAIN SIZE  
INTERGRANULAR CORROSION  
INTERSTICES  
INTERSTITIALS  
PRECIPITATES  
TRANSGRANULAR CORROSION  
TWINNING

### GRAIN SIZE

GS SIZE (DIMENSIONS)  
GRAIN SIZE  
RT GRAIN BOUNDARIES  
METAL FATIGUE  
MICROSTRUCTURE  
PARTICLE SIZE DISTRIBUTION

### ∞ GRAINS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED-CONSULT THE TERMS  
LISTED BELOW)*  
RT CRYSTALS  
GRAINS (FOOD)  
GRANULAR MATERIALS  
PARTICLES  
PROPELLANT GRAINS

### GRAINS (FOOD)

GS FARM CROPS  
GRAINS (FOOD)  
BARLEY  
CORN  
MILLET  
OATS  
RICE  
SORGHUM  
WHEAT  
RT ANGIOSPERMS  
EARTH RESOURCES  
∞ GRAINS  
GRASSES  
SEEDS

### GRAMMARS

RT LANGUAGES  
PARSING ALGORITHMS  
SEMANTICS  
SYNTAX  
VOWELS  
WORDS (LANGUAGE)

### GRAND CANYON (AZ)

GS LANDFORMS  
CANYONS  
GRAND CANYON (AZ)  
RT ARIZONA

### GRAND TOURS

UF OUTER PLANET MISSIONS  
GS SPACE MISSIONS  
FLYBY MISSIONS  
GRAND TOURS  
MARINER JUPITER-SATURN FLYBY  
MARINER JUPITER-URANUS FLYBY  
VOYAGER 1977 MISSION  
RT ∞ MISSIONS  
OUTER PLANETS EXPLORERS  
SPACE FLIGHT  
VOYAGER 1 SPACECRAFT  
VOYAGER 2 SPACECRAFT

### GRAND UNIFIED THEORY

UF GUT  
GS FIELD THEORY (PHYSICS)  
GRAND UNIFIED THEORY  
UNIFIED FIELD THEORY  
RT ASTROPHYSICS  
BIG BANG COSMOLOGY  
BROKEN SYMMETRY  
COSMOLOGY  
EINSTEIN EQUATIONS  
ELECTROMAGNETIC FIELDS  
ELECTROMAGNETIC INTERACTIONS  
ELECTROMAGNETISM  
GRAVITATION THEORY  
GRAVITATIONAL FIELDS  
PARTICLE THEORY  
PLASMA PHYSICS  
RELATIVITY  
STRING THEORY  
STRONG INTERACTIONS (FIELD  
THEORY)  
SUPERSYMMETRY  
SYMMETRY  
THEORETICAL PHYSICS  
WEAK ENERGY INTERACTIONS  
WEAK INTERACTIONS (FIELD THEORY)

### GRANITE

GS ROCKS  
IGNEOUS ROCKS  
GRANITE  
RT BATHOLITHS  
EARTH RESOURCES  
SOILS

### GRANTS

RT APPROPRIATIONS  
BUDGETING  
CONTRACTS  
INSURANCE (CONTRACTS)  
NASA PROGRAMS  
PATENTS  
SUBCONTRACTS

### GRANULAR MATERIALS

RT BRITTLE MATERIALS  
∞ GRAINS  
LOW DENSITY MATERIALS  
∞ MATERIALS  
PARTICLES  
PELLETS

### GRANULAR MATERIALS-(CONT.) POWDER (PARTICLES)

### GRAPH THEORY

RT COMBINATORIAL ANALYSIS  
GRAPHS (CHARTS)  
MATHEMATICAL MODELS  
SET THEORY  
∞ THEORIES  
TOPOLOGY  
TREES (MATHEMATICS)

### GRAPHIC ARTS

GS ARTS  
GRAPHIC ARTS  
ANIMATION  
COMPUTER ANIMATION  
RT CHARTS  
DIAGRAMS  
DRAFTING (DRAWING)  
DRAWINGS  
ENGINEERING DRAWINGS  
IMAGERY  
INKS  
MOTION PICTURES  
PHOTOGRAPHY  
∞ PROJECTION

### GRAPHIC EVALUATION AND REVIEW TECHNIQUES

USE GERT

### GRAPHITE

GS CARBONACEOUS MATERIALS  
GRAPHITE  
PYROLYTIC GRAPHITE  
MINERALS  
GRAPHITE  
PYROLYTIC GRAPHITE  
RT ALUMINUM GRAPHITE COMPOSITES  
CARBON  
ELECTRODES  
FIBER COMPOSITES  
FIBER RELEASE  
GRAPHITE-EPOXY COMPOSITES  
INTERCALATION  
LUBRICANTS  
MODERATORS  
SINGLE CRYSTALS  
SOLID LUBRICANTS  
SYNTHETIC METALS

### GRAPHITE-EPOXY COMPOSITES

GS COMPOSITE MATERIALS  
RESIN MATRIX COMPOSITES  
GRAPHITE-EPOXY COMPOSITES  
SUPERHYBRID MATERIALS  
GRAPHITE-EPOXY COMPOSITES  
RT CARBON FIBER REINFORCED PLASTICS  
∞ CONSTRUCTION MATERIALS  
EPOXY RESINS  
FIBER COMPOSITES  
GRAPHITE  
GRAPHITE-POLYIMIDE COMPOSITES  
∞ MATERIALS  
REINFORCED PLASTICS  
REINFORCING FIBERS

### GRAPHITE-POLYIMIDE COMPOSITES

GS COMPOSITE MATERIALS  
POLYMER MATRIX COMPOSITES  
GRAPHITE-POLYIMIDE COMPOSITES  
RT GRAPHITE-EPOXY COMPOSITES

### GRAPHITIZATION

RT ANNEALING  
HEAT TREATMENT

### GRAPHOEPIITAXY

RT AMORPHOUS MATERIALS  
CRYSTAL LATTICES  
CRYSTAL STRUCTURE

### GRAPHOLOGY

GS HANDWRITING  
GRAPHOLOGY  
RECOGNITION  
PATTERN RECOGNITION  
GRAPHOLOGY  
RT CHARACTER RECOGNITION

### GRAPHS (CHARTS)

UF POLARIZATION CHARTS  
GS CHARTS

## GRAVITATIONAL PHYSIOLOGY

### GRAPHS (CHARTS)-(CONT.)

- . **GRAPHS (CHARTS)**
  - . . . BOND GRAPHS
  - . . . GOMPERTZ CURVES
  - . . . MOLLIER DIAGRAM
  - . . . PATTERSON MAP
- RT CONFORMAL MAPPING
- ∞ CURVES
  - FAULT TREES
  - GRAPH THEORY
  - HISTOGRAMS
- ∞ NETWORKS
  - NOMOGRAPHS
- ∞ ORIGINS
  - PETRI NETS
  - RECORDING INSTRUMENTS
  - REPRESENTATIONS
  - STATISTICAL ANALYSIS
  - TREES (MATHEMATICS)

### GRASHOF NUMBER

- GS RATIOS
  - . DIMENSIONLESS NUMBERS
- . . **GRASHOF NUMBER**
- RT CONVECTION
- PRANDTL NUMBER
- REYNOLDS NUMBER

### GRASSES

- GS PLANTS (BOTANY)
  - . **GRASSES**
    - . . . HAY
    - . . . REEDS (PLANTS)
    - . . . SEA GRASSES
    - . . . SORGHUM
- RT ALFALFA
- CANOPIES (VEGETATION)
- DEFOLIATION
- FARM CROPS
- FARMLANDS
- GRAINS (FOOD)
- GRASSLANDS
- MILLET
- OATS
- SOD

### GRASSHOPPERS

- GS ANIMALS
  - . . . INVERTEBRATES
  - . . . ARTHROPODS
  - . . . INSECTS
  - . . . **GRASSHOPPERS**

### GRASSLANDS

- UF GRAZING LANDS
- MEADOWLANDS
- PRAIRIES
- SAVANNAHS
- GS LAND
  - . **GRASSLANDS**
    - . . . LLANOS ORIENTALES (COLOMBIA)
- RT AGRICULTURE
- CROP GROWTH
- EARTH RESOURCES
- FARM CROPS
- FARMLANDS
- GRASSES
- HAY
- LAND USE
- PLAINS
- PLOWING
- RANGELANDS
- RURAL AREAS
- RURAL LAND USE
- SOD
- STEPPES

### GRASSMANN ALGEBRA

- USE VECTOR SPACES

### ∞ GRATINGS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT GRATINGS (SPECTRA)
- INTERFERENCE GRATING
- OPTICAL FILTERS

### GRATINGS (SPECTRA)

- UF DIFFRACTION GRATINGS
- GS **GRATINGS (SPECTRA)**
  - . ECHELETTE GRATINGS
- RT DIFFRACTION RADIATION
- FRESNEL DIFFRACTION
- ∞ GRATINGS

### GRATINGS (SPECTRA)-(CONT.)

- OPTICAL FILTERS
- RONCHI TEST
- ROWLAND CIRCLES

### GRAVEL DEPOSITS

- USE GRAVELS

### GRAVELS

- UF GRAVEL DEPOSITS
- GS SEDIMENTS
  - . **GRAVELS**
    - . SOILS
- . **GRAVELS**
- RT AGGREGATES
- ALLUVIUM
- AQUIFERS
- BOREHOLES
- FANS (LANDFORMS)
- GRIT
- SANDS

### GRAVIMETERS

- GS MEASURING INSTRUMENTS
  - . **GRAVIMETERS**
- RT ACCELEROMETERS
- DENSITOMETERS
- GEODESY
- GEOPHYSICS
- GRAVIMETRY
- GRAVITATION
- MICRODENSITOMETERS

### GRAVIMETRY

- RT ∞ ACCELERATION
- ACCELEROMETERS
- GEOLOGY
- GEOPHYSICS
- GRAVIMETERS
- GRAVITATIONAL FIELDS
- ∞ MEASUREMENT
- QUANTITATIVE ANALYSIS

### GRAVIRECEPTORS

- GS ANATOMY
  - . SENSE ORGANS
  - . . **GRAVIRECEPTORS**
    - . . . OTOLITH ORGANS
  - RECEPTORS (PHYSIOLOGY)
- . **GRAVIRECEPTORS**
  - . . OTOLITH ORGANS
- RT OCULOGRAVIC ILLUSIONS
- SENSITOMETRY
- VERTICAL PERCEPTION

### GRAVITATION

- UF GRAVITY
- GS **GRAVITATION**
  - . ARTIFICIAL GRAVITY
  - . EARTH GRAVITATION
  - . GRAVITY ANOMALIES
  - . LUNAR GRAVITATION
  - . PLANETARY GRAVITATION
  - . REDUCED GRAVITY
  - . STELLAR GRAVITATION
  - . . SOLAR GRAVITATION
- RT ANTIGRAVITY
- DRAG
- ENVIRONMENTS
- GEOPOTENTIAL RESEARCH MISSION
- GRAVIMETERS
- GRAVITATIONAL CONSTANT
- GRAVITATIONAL EFFECTS
- GRAVITATIONAL FIELDS
- GRAVITATIONAL WAVES
- GRAVITY GRADIOMETERS
- HIGH GRAVITY ENVIRONMENTS
- ISOSTASY
- LOW WEIGHT
- LUNAR GRAVITY SIMULATOR
- PENDULUMS
- ROCHE LIMIT
- SIMILITUDE LAW
- SPACECRAFT ENVIRONMENTS
- TERMINAL VELOCITY
- WEIGHT (MASS)
- WEIGHTLESSNESS

### GRAVITATION THEORY

- GS **GRAVITATION THEORY**
  - . SUPERGRAVITY
- RT BIMETRIC THEORIES
- GAUGE THEORY
- GRAND UNIFIED THEORY
- GRAVITATIONAL FIELDS

### GRAVITATION THEORY-(CONT.)

- GRAVITATIONAL WAVE ANTENNAS
- GRAVITINOS
- GRAVITONS
- STRING THEORY
- SUPERSYMMETRY
- ∞ THEORIES
- UNIFIED FIELD THEORY

### GRAVITATIONAL COLLAPSE

- GS **GRAVITATIONAL COLLAPSE**
  - . WHITE HOLES (ASTRONOMY)
- RT ASTROPHYSICS
- BLACK HOLES (ASTRONOMY)
- NAKED SINGULARITIES
- NEUTRAL CURRENTS
- QUASARS
- RELATIVISTIC PLASMAS
- STELLAR CORES
- STELLAR INTERIORS
- STELLAR SYSTEMS
- SUPERNOVAE

### GRAVITATIONAL CONSTANT

- GS CONSTANTS
- . **GRAVITATIONAL CONSTANT**
- RT BIG BANG COSMOLOGY

### GRAVITATIONAL EFFECTS

- GS **GRAVITATIONAL EFFECTS**
  - . GRAVITATIONAL LENSES
  - . LAGRANGIAN EQUILIBRIUM POINTS
  - . LUNAR GRAVITATIONAL EFFECTS
- RT ACCELERATION STRESSES
- (PHYSIOLOGY)
- ACCELERATION TOLERANCE
- DROP TOWERS
- ∞ EFFECTS
- GEOTROPISM
- GRAVITATIONAL PHYSIOLOGY
- GRAVITROPISM
- GRAVITY PROBE B
- LANGLEY COMPLEX COORDINATOR
- LOWER BODY NEGATIVE PRESSURE
- ORBITAL RESONANCES (CELESTIAL MECHANICS)
- REISSNER-NORDSTROM SOLUTION
- STELLAR MASS ACCRETION
- STELLAR SYSTEMS
- SWINGBY TECHNIQUE
- WEIGHTLESSNESS

### GRAVITATIONAL FIELDS

- UF GRAVITATIONAL POTENTIAL
- RT ATTRACTION
- CENTER OF GRAVITY
- EARTH GRAVITATION
- EARTH-MOON SYSTEM
- FIELD STRENGTH
- FIELD THEORY (PHYSICS)
- ∞ FIELDS
- GEOPOTENTIAL
- GEOPOTENTIAL HEIGHT
- GEOPOTENTIAL RESEARCH MISSION
- GRAND UNIFIED THEORY
- GRAVIMETRY
- GRAVITATION THEORY
- GRAVITATIONAL LENSES
- GRAVITY ANOMALIES
- LAGRANGIAN EQUILIBRIUM POINTS
- MULTIPOLAR FIELDS
- SATELLITE PERTURBATION
- SCHWARZSCHILD METRIC
- STELLAR GRAVITATION
- UNIFIED FIELD THEORY
- YANG-MILLS FIELDS

### GRAVITATIONAL LENSES

- GS GRAVITATIONAL EFFECTS
- . **GRAVITATIONAL LENSES**
  - . LENSES
- . **GRAVITATIONAL LENSES**
- RT BLACK HOLES (ASTRONOMY)
- FOCUSING
- GRAVITATIONAL FIELDS
- LIGHT SCATTERING
- NEUTRON STARS
- RELATIVISTIC EFFECTS
- RELATIVITY
- STELLAR GRAVITATION
- WHITE HOLES (ASTRONOMY)

### GRAVITATIONAL PHYSIOLOGY

- GS PHYSIOLOGY
- . **GRAVITATIONAL PHYSIOLOGY**

## GRAVITATIONAL POTENTIAL

### GRAVITATIONAL PHYSIOLOGY-(CONT.)

RT ACCELERATION STRESSES  
(PHYSIOLOGY)  
AEROSPACE MEDICINE  
CENTRIFUGING STRESS  
GRAVITATIONAL EFFECTS  
PHYSIOLOGICAL ACCELERATION  
PHYSIOLOGICAL EFFECTS  
PHYSIOLOGICAL RESPONSES  
SPACE FLIGHT STRESS  
STRESS (PHYSIOLOGY)

### GRAVITATIONAL POTENTIAL

USE GRAVITATIONAL FIELDS

### GRAVITATIONAL RADIATION

USE GRAVITATIONAL WAVES

### GRAVITATIONAL WAVE ANTENNAS

GS ANTENNAS  
... GRAVITATIONAL WAVE ANTENNAS  
RT ANTENNA DESIGN  
CRYOGENIC EQUIPMENT  
GRAVITATION THEORY

### GRAVITATIONAL WAVES

UF GRAVITATIONAL RADIATION  
RT CELESTIAL BODIES  
CELESTIAL MECHANICS  
EARTH-MOON SYSTEM  
GRAVITY WAVES  
∞ RADIATION  
∞ WAVES

### GRAVITINOS

GS PARTICLES  
... ELEMENTARY PARTICLES  
... GRAVITINOS  
... NEUTRAL PARTICLES  
... GRAVITINOS  
RT BARYONS  
COSMOLOGY  
DECOUPLING  
GRAVITATION THEORY  
GRAVITONS  
NEUTRINOS  
PARTICLE MASS  
SUPERGRAVITY  
WEAK ENERGY INTERACTIONS

### GRAVITONS

GS PARTICLES  
... ELEMENTARY PARTICLES  
... GRAVITONS  
RT ATOMIC STRUCTURE  
GRAVITATION THEORY  
GRAVITONS  
SUPERGRAVITY

### GRAVITROPISM

GS TROPISM  
... GRAVITROPISM  
RT CALMODULIN  
GRAVITATIONAL EFFECTS  
PLANTS (BOTANY)  
VEGETATION GROWTH

### GRAVITY

USE GRAVITATION

### GRAVITY ANOMALIES

GS ANOMALIES  
... GRAVITY ANOMALIES  
GRAVITATION  
... GRAVITY ANOMALIES  
RT EARTH GRAVITATION  
GRAVITATIONAL FIELDS  
MASCONS

### GRAVITY ASSIST TRAJECTORIES

USE SWINGBY TECHNIQUE

### GRAVITY GRADIENT SATELLITES

GS ARTIFICIAL SATELLITES  
... GRAVITY GRADIENT SATELLITES  
... ATS  
... ATS 1  
... ATS 2  
... ATS 3  
... ATS 4  
... ATS 5  
... ATS 6  
... ATS 7  
... ATS 8

### GRAVITY GRADIENT SATELLITES-(CONT.)

RT ... ORBIS CAL SATELLITE  
ARTIFICIAL GRAVITY  
EXPULSION  
MANNED SPACECRAFT  
OV-1 SATELLITES  
OV-2 SATELLITES  
OV-3 SATELLITES  
OV-4 SATELLITES  
OV-5 SATELLITES  
SATELLITE ATTITUDE CONTROL  
SATELLITE CONTROL  
SPIN REDUCTION  
UNMANNED SPACECRAFT

### GRAVITY GRADIOMETERS

GS MEASURING INSTRUMENTS  
... GRAVITY GRADIOMETERS  
RT GRADIENTS  
∞ GRADIOMETERS  
GRAVITATION

### GRAVITY PROBE B

RT GRAVITATIONAL EFFECTS  
GYROSCOPES  
NASA PROGRAMS  
RELATIVITY

### GRAVITY WAVES

GS ELASTIC WAVES  
... CAPILLARY WAVES  
... GRAVITY WAVES  
... BAROCLINIC WAVES  
SURFACE WAVES  
... CAPILLARY WAVES  
... GRAVITY WAVES  
... BAROCLINIC WAVES  
RT CNOIDAL WAVES  
GRAVITATIONAL WAVES  
PLANETARY WAVES  
RIPPLES  
WATER WAVES  
WIND (METEOROLOGY)

### GRAVSAT SATELLITES

USE GEOPOTENTIAL RESEARCH MISSION

### GRAY GAS

GS GASES  
... GRAY GAS  
RT NONGRAY ATMOSPHERES  
RADIATION ABSORPTION  
RAYLEIGH SCATTERING  
THERMAL ABSORPTION

### GRAY SCALE

RT AERIAL PHOTOGRAPHY  
IMAGE CONTRAST  
IMAGE ENHANCEMENT  
IMAGE PROCESSING  
IMAGING TECHNIQUES  
OPTICAL DATA PROCESSING  
PATTERN RECOGNITION

### GRAZING

GS INGESTION (BIOLOGY)  
... GRAZING  
RT ANIMALS  
CATTLE  
DEER  
GOATS  
HORSES  
RANGELANDS  
RURAL LAND USE  
SWINE

### GRAZING FLOW

RT ACOUSTIC ATTENUATION  
ACOUSTIC DUCTS  
ACOUSTIC IMPEDANCE  
ACOUSTIC MEASUREMENT  
ACOUSTIC PROPERTIES  
AEROACOUSTICS  
∞ FLOW  
NOISE REDUCTION  
ORIFICE FLOW  
RESONATORS  
SHEAR FLOW

### GRAZING INCIDENCE

GS INCIDENCE  
... GRAZING INCIDENCE  
RT ABERRATION  
ANGLES (GEOMETRY)

### GRAZING INCIDENCE-(CONT.)

GRAZING INCIDENCE TELESCOPES  
OPTICAL MEASUREMENT  
RAY TRACING

### GRAZING INCIDENCE SOLAR TELESCOPE

USE GRIST (TELESCOPE)

### GRAZING INCIDENCE TELESCOPES

GS TELESCOPES  
... GRAZING INCIDENCE TELESCOPES  
... GRIST (TELESCOPE)  
RT GRAZING INCIDENCE  
X RAY ASTRONOMY  
X RAY TELESCOPES

### GRAZING LANDS

USE GRASSLANDS

### GREASES

GS PRODUCTS  
... GREASES  
RT FATS  
KEROGEN  
LUBRICANTS  
OILS  
PETROLEUM PRODUCTS  
THICKENERS (MATERIALS)

### GREAT BASIN (US)

GS LANDFORMS  
... STRUCTURAL BASINS  
... GREAT BASIN (US)  
RT CALIFORNIA  
EARTH RESOURCES  
FOLDS (GEOLOGY)  
FORMATIONS  
GEOLOGY  
NEVADA  
STRUCTURAL PROPERTIES (GEOLOGY)  
UTAH

### GREAT BRITAIN

USE UNITED KINGDOM

### GREAT CIRCLES

GS GEOMETRY  
... EUCLIDEAN GEOMETRY  
... CIRCLES (GEOMETRY)  
... GREAT CIRCLES  
RT FLIGHT OPTIMIZATION  
FLIGHT PATHS  
GROUND TRACKS  
TRAJECTORIES

### GREAT LAKES (NORTH AMERICA)

GS LAKES  
... GREAT LAKES (NORTH AMERICA)  
... LAKE ERIE  
... LAKE HURON  
... LAKE MICHIGAN  
... LAKE ONTARIO  
... LAKE SUPERIOR  
RT CANADA  
CANALS  
EARTH RESOURCES  
INLAND WATERS  
INTERNATIONAL FIELD YEAR FOR  
GREAT LAKES  
RESOURCES  
UNITED STATES  
WATER FLOW  
WATER RESOURCES

### GREAT PLAINS CORRIDOR (NORTH AMERICA)

GS CORRIDORS  
... GREAT PLAINS CORRIDOR (NORTH AMERICA)  
RT AGRICULTURE  
CANADA  
PLAINS  
RURAL LAND USE  
UNITED STATES

### GREAT SALT LAKE (UT)

GS LAKES  
... GREAT SALT LAKE (UT)  
RT EARTH RESOURCES  
HYDROLOGY  
INLAND WATERS  
PONDS  
UTAH

**GREAT SMOKY MOUNTAINS (NC-TN)**  
 GS LANDFORMS  
 . MOUNTAINS  
 . . **GREAT SMOKY MOUNTAINS (NC-TN)**  
 RT NORTH CAROLINA  
 TENNESSEE

**GREB SATELLITES**  
 SN (GALACTIC RADIATION EXPERIMENTAL  
 BACKGROUND SATELLITES)  
 UF GALACTIC RADIATION EXP  
 BACKGROUND SATS  
 GS ARTIFICIAL SATELLITES  
 . **GREB SATELLITES**

**GREECE**  
 GS NATIONS  
 . **GREECE**  
 RT CYPRUS  
 EUROPE

**GREEN THEOREM**  
 USE GREEN'S FUNCTIONS

**GREEN WAVE EFFECT**  
 RT ANNUAL VARIATIONS  
 BOTANY  
 CHLOROPHYLLS  
 ∞ EFFECTS  
 FOLIAGE  
 LEAVES

**GREEN'S FUNCTIONS**  
 UF GREEN THEOREM  
 GS ANALYSIS (MATHEMATICS)  
 . REAL VARIABLES  
 . . **GREEN'S FUNCTIONS**  
 FUNCTIONS (MATHEMATICS)  
 . **GREEN'S FUNCTIONS**  
 RT DIFFERENTIAL EQUATIONS  
 FIELD THEORY (ALGEBRA)  
 FIELD THEORY (PHYSICS)  
 HALF PLANES  
 HALF SPACES  
 JACOBI INTEGRAL  
 MANY BODY PROBLEM

**GREENHOUSE EFFECT**  
 RT ATMOSPHERIC HEAT BUDGET  
 ATMOSPHERIC RADIATION  
 CLIMATE CHANGE  
 EARTH ATMOSPHERE  
 ∞ EFFECTS  
 ENVIRONMENT EFFECTS  
 INSOLATION  
 TERRESTRIAL RADIATION  
 THERMAL RADIATION  
 VENUS CLOUDS

**GREENHOUSES**  
 RT BUILDINGS  
 PHYTOTRONS  
 PLANTS (BOTANY)

**GREENLAND**  
 GS LANDFORMS  
 . ISLANDS  
 . . **GREENLAND**  
 RT ARCTIC OCEAN  
 DENMARK

**GREGORIAN ANTENNAS**  
 RT ANTENNA DESIGN  
 ANTENNA FEEDS  
 ANTENNA RADIATION PATTERNS  
 ANTENNAS  
 CASSEGRAIN ANTENNAS  
 MICROWAVE ANTENNAS

**GRENADES**  
 RT AMMUNITION  
 INCENDIARY AMMUNITION  
 PYROTECHNICS

∞ **GRIDS**  
 SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT COORDINATES  
 IONIZERS  
 ∞ MATRICES  
 MESH  
 RETICLES  
 TUBE GRIDS

**GRIDS-(CONT.)**  
 TURNSTILE ANTENNAS  
 WIRE GRID LENSES

**GRIDS (MATHEMATICS)**  
 USE COMPUTATIONAL GRIDS

**GRIFFITH CRACK**  
 RT CRACK CLOSURE  
 CRACK PROPAGATION  
 FRACTURE MECHANICS  
 GLASS  
 ∞ THEORIES

**GRIFFON AIRCRAFT**  
 USE NORD 1500 AIRCRAFT

**GRIGG-SKJELLERUP COMET**  
 GS CELESTIAL BODIES  
 . COMETS  
 . . **GRIGG-SKJELLERUP COMET**  
 RT ∞ COMA  
 COMET TAILS  
 SOLAR SYSTEM  
 SOLAR WIND

**GRIGNARD REACTIONS**  
 GS CHEMICAL REACTIONS  
 . **GRIGNARD REACTIONS**  
 RT CATALYSTS

∞ **GRINDING**  
 SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT GRINDING (COMMINUTION)  
 GRINDING (MATERIAL REMOVAL)

**GRINDING (COMMINUTION)**  
 UF PULVERIZING  
 GS COMMINUTION  
 . **GRINDING (COMMINUTION)**  
 RT ATOMIZING  
 COMPOUNDING  
 CRUSHING  
 DISINTEGRATION  
 GRINDING (MATERIAL REMOVAL)  
 MIXING

**GRINDING (MATERIAL REMOVAL)**  
 GS **GRINDING (MATERIAL REMOVAL)**  
 . METAL GRINDING  
 RT ABRASION  
 COUNTERSINKING  
 CUTTING  
 GRINDING (COMMINUTION)  
 GROOVING  
 MACHINING  
 METAL CUTTING  
 PLANING  
 POLISHING  
 SCARFING  
 WEAR

**GRINDING MACHINES**  
 GS TOOLS  
 . MACHINE TOOLS  
 . . **GRINDING MACHINES**  
 RT LATHES  
 ∞ MACHINERY  
 METAL GRINDING  
 MILLING MACHINES  
 SHAPERS  
 ULTRASONIC CLEANING

**GRINDING MILLS**  
 RT ATOMIZERS  
 ATOMIZING  
 COMMINUTION  
 CRUSHERS  
 IMPACTORS  
 MIXERS

**GRIST (TELESCOPE)**  
 UF GRAZING INCIDENCE SOLAR  
 TELESCOPE  
 GS TELESCOPES  
 . GRAZING INCIDENCE TELESCOPES  
 . . **GRIST (TELESCOPE)**  
 RT ENERGY SPECTRA  
 SOLAR COSMIC RAYS  
 SPACELAB  
 SUN

## GROUND EFFECT (COMMUNICATIONS)

**GRIT**  
 RT ABRASIVES  
 GRAVELS  
 PARTICLES  
 SANDS  
 SEDIMENTS

**GROOVES**  
 GS **GROOVES**  
 . V GROOVES  
 RT CORRUGATING  
 GROOVING

**GROOVING**  
 UF FLUTING  
 RT CUTTING  
 GRINDING (MATERIAL REMOVAL)  
 GROOVES  
 KNURLING  
 MACHINING  
 MILLING (MACHINING)  
 STRIATION

**GROSS NATIONAL PRODUCT**  
 UF GNP  
 GS PRODUCTS  
 . **GROSS NATIONAL PRODUCT**  
 RT COMMERCE  
 COSTS  
 ECONOMETRICS  
 FINANCE  
 INDUSTRIES

**GROUND BASED CONTROL**  
 GS **GROUND BASED CONTROL**  
 . AIR TRAFFIC CONTROL  
 . . AUTOMATED EN ROUTE ATC  
 . . RADAR APPROACH CONTROL  
 RT AIR TRAFFIC CONTROLLERS  
 (PERSONNEL)  
 AIRCRAFT APPROACH SPACING  
 AIRCRAFT CONTROL  
 AIRPORT SURFACE DETECTION  
 EQUIPMENT  
 AIRPORT TOWERS  
 APPROACH  
 APPROACH CONTROL  
 AUTOMATIC CONTROL  
 AUTOMATIC TRAFFIC ADVISORY AND  
 RESOLUTION  
 ∞ CONTROL  
 FLIGHT CONTROL  
 FLIGHT MANAGEMENT SYSTEMS  
 FLY BY WIRE CONTROL  
 GUIDANCE (MOTION)  
 INSTRUMENT LANDING SYSTEMS  
 INTEGRATED MISSION CONTROL  
 CENTER  
 LANDING AIDS  
 MISSILE CONTROL  
 RADAR NAVIGATION  
 RADIO CONTROL  
 REMOTE CONTROL  
 SPACECRAFT CONTROL  
 SPACECRAFT GUIDANCE  
 TRAFFIC CONTROL

**GROUND CLOUDS**  
 USE EXHAUST CLOUDS

**GROUND CREWS**  
 GS PERSONNEL  
 . **GROUND CREWS**  
 RT MAINTENANCE

**GROUND EFFECT (AERODYNAMICS)**  
 RT AERODYNAMIC DRAG  
 AERODYNAMICS  
 AIR CUSHION LANDING SYSTEMS  
 CUSHIONS  
 DOWNWASH  
 DRAG  
 ∞ EFFECTS  
 GROUND RESONANCE  
 JET BLAST EFFECTS  
 LIFT  
 PERIPHERAL JET FLOW  
 WAKES

**GROUND EFFECT (COMMUNICATIONS)**  
 RT ECHOES  
 ∞ EFFECTS  
 ELECTROMAGNETIC INTERFERENCE  
 ELECTROMAGNETIC NOISE  
 RADIO ATTENUATION

## GROUND EFFECT MACHINES

### GROUND EFFECT (COMMUNICATIONS)-(CONT.)

SIGNAL FADING  
WAVE REFLECTION

#### GROUND EFFECT MACHINES

- UF AIR CUSHION VEHICLES  
DTMB-111 GROUND EFFECT MACHINE  
DTMB-430 GROUND EFFECT MACHINE  
HOVERCRAFT
- GS **GROUND EFFECT MACHINES**
  - . CUSHIONCRAFT GROUND EFFECT MACHINE
  - . GETOL AIRCRAFT
  - . HOVERCRAFT GROUND EFFECT MACHINES
  - . WESTLAND GROUND EFFECT MACHINES
- RT ∞ AIRCRAFT  
COMMERCIAL AIRCRAFT
- ∞ EFFECTS
- ∞ FLIGHT VEHICLES  
FLYING PLATFORMS  
HOVERING  
LIFTING ROTORS
- ∞ MACHINERY
- ∞ MILITARY AIRCRAFT  
PASSENGER AIRCRAFT  
PERIPHERAL JET FLOW  
RAPID TRANSIT SYSTEMS  
RESEARCH AIRCRAFT
- ∞ SUBSONIC AIRCRAFT  
SURFACE VEHICLES
- ∞ TRANSPORT VEHICLES  
V/STOL AIRCRAFT
- ∞ VEHICLES  
WATER TAKEOFF AND LANDING AIRCRAFT

#### GROUND HANDLING

- GS MATERIALS HANDLING
  - . **GROUND HANDLING**
- RT AIR CARGO  
BAGGAGE  
CREW PROCEDURES (PREFLIGHT)
- ∞ FACILITIES  
FLIGHT OPERATIONS  
HANGARS  
MOBILE LOUNGES  
TRACTORS  
TRUCKS

#### GROUND OPERATIONAL SUPPORT SYSTEM

- UF GOSS (SUPPORT SYSTEM)
- GS GROUND SUPPORT EQUIPMENT
  - . **GROUND OPERATIONAL SUPPORT SYSTEM**
  - SUPPORT SYSTEMS
  - . **GROUND OPERATIONAL SUPPORT SYSTEM**
  - WEAPON SYSTEMS
  - . **GROUND OPERATIONAL SUPPORT SYSTEM**
- RT ∞ SYSTEMS

#### GROUND RESONANCE

- RT AERODYNAMIC STABILITY  
GROUND EFFECT (AERODYNAMICS)  
HELICOPTERS  
ROTARY WINGS  
ROTOR AERODYNAMICS

#### GROUND SPEED

- GS RATES (PER TIME)
  - . **GROUND SPEED**
  - VELOCITY
  - . **GROUND SPEED**
- RT AIRSPEED  
HIGH SPEED  
LOW SPEED

#### GROUND SQUIRRELS

- GS ANIMALS
  - . VERTEBRATES
  - . MAMMALS
  - . . . . RODENTS
  - . . . . SQUIRRELS
  - . . . . **GROUND SQUIRRELS**

#### GROUND STATE

- GS LEVEL (QUANTITY)
  - . ENERGY LEVELS
  - . . . **GROUND STATE**
- RT ATOMIC ENERGY LEVELS  
ATOMIC THEORY  
ELECTRON STATES

### GROUND STATE-(CONT.)

QUANTUM THEORY

#### GROUND STATIONS

- GS STATIONS
  - . **GROUND STATIONS**
  - . . DEEP SPACE INSTRUMENTATION FACILITY
  - . . EARTH TERMINALS
  - . . INTEGRATED MISSION CONTROL CENTER
  - . . POLYSTATION DOPPLER TRACKING SYSTEM
  - . . SPACE DETECTION AND TRACKING SYSTEM
  - . . STDN (NETWORK)
- RT DATA ACQUISITION  
DATA COLLECTION PLATFORMS  
DOWNLINKING  
GLOBAL TRACKING NETWORK  
HANGARS  
INTEGRATED GLOBAL OCEAN STATION SYSTEMS  
JODRELL BANK OBSERVATORY  
LAND MOBILE SATELLITE SERVICE  
MSAT  
OCEAN DATA ACQUISITIONS SYSTEMS  
POLLUTION MONITORING  
SPACE FLIGHT TRACKING AND DATA NETWORK  
TRACKING STATIONS  
WEATHER STATIONS

#### GROUND SUPPORT EQUIPMENT

- GS **GROUND SUPPORT EQUIPMENT**
  - . GROUND OPERATIONAL SUPPORT SYSTEM
- RT AIR TRAFFIC CONTROL  
AIRCRAFT MAINTENANCE  
AIRPORT PLANNING  
AUXILIARY POWER SOURCES  
BALLISTIC CAMERAS  
CAPE KENNEDY LAUNCH COMPLEX  
COMMAND AND CONTROL  
COMMAND GUIDANCE  
CRAWLER TRACTORS  
EARTH TERMINAL MEASUREMENT SYSTEM
- ∞ EQUIPMENT  
FLIGHT CONTROL  
GANTRY CRANES  
HANDLING EQUIPMENT  
LANDING AIDS  
LAUNCHING BASES  
LAUNCHING PADS  
LAUNCHING SITES  
MAINTENANCE  
MISSILE LAUNCHERS  
MISSILE STORAGE  
MISSILES  
ORDNANCE  
PROPELLANT STORAGE  
RADIO TELEMETRY  
REFUELING  
ROCKET LAUNCHERS  
SATELLITE GROUND SUPPORT
- ∞ SPACECRAFT  
STORABLE PROPELLANTS
- ∞ TEST EQUIPMENT  
TRACKING NETWORKS  
TRACKING STATIONS

#### GROUND SUPPORT SYSTEMS

- GS SUPPORT SYSTEMS
  - . **GROUND SUPPORT SYSTEMS**
- RT COMMONALITY
- ∞ SYSTEMS

#### GROUND TESTS

- GS **GROUND TESTS**
  - . COLD FLOW TESTS
  - . PRELAUNCH TESTS
  - . . STATIC FIRING
- RT AIRCRAFT RUNUP  
CAPTIVE TESTS  
CREW PROCEDURES (PREFLIGHT)  
ELECTRIC EQUIPMENT TESTS  
ENGINE TESTS  
FLIGHT TESTS  
FULL SCALE TESTS  
MISSILE TESTS  
PREFIRING TESTS  
PREFLIGHT OPERATIONS  
SPACE ELECTRIC ROCKET TESTS  
STABILITY TESTS

### GROUND TESTS-(CONT.)

- STATIC TESTS
- TEST FIRING
- ∞ TESTS  
WING FLOW METHOD TESTS

#### GROUND TRACKS

- GS **GROUND TRACKS**
  - . SATELLITE GROUND TRACKS
- RT AREA NAVIGATION  
FLIGHT PATHS  
GREAT CIRCLES  
ORBITS
- ∞ PATHS
- ∞ TRACKS

#### GROUND TRUTH

- RT AERIAL PHOTOGRAPHY  
AERIAL RECONNAISSANCE  
AIRBORNE INTEGRATED RECONNAISSANCE SYSTEM  
CROP IDENTIFICATION  
IMAGERY  
PHOTOINTERPRETATION  
PHOTORECONNAISSANCE  
SPECTROPHOTOGRAPHY

#### GROUND WATER

- GS WATER
  - . INLAND WATERS
  - . . **GROUND WATER**
- RT AQUIFERS  
EARTH RESOURCES  
FRESH WATER  
LIMNOLOGY  
LYSIMETERS  
POTABLE WATER  
SPRINGS (WATER)  
SURFACE WATER  
WATER FLOW  
WATER RESOURCES  
WATER RUNOFF  
WATER TABLES  
WELLS

#### GROUND WAVE PROPAGATION

- GS TRANSMISSION
  - . WAVE PROPAGATION
  - . . **GROUND WAVE PROPAGATION**
- RT RADIO WAVES  
SELECTIVE FADING  
SKY WAVES

#### GROUND WIND

- GS WIND (METEOROLOGY)
  - . **GROUND WIND**
- RT AIR CURRENTS  
ATMOSPHERIC CIRCULATION  
CYCLONES  
GUST LOADS  
GUSTS  
MONSOONS  
SQUALLS  
STORMS (METEOROLOGY)  
TORNADOES  
WIND DIRECTION  
WIND EFFECTS  
WIND EROSION  
WIND PRESSURE  
WIND PROFILES  
WIND SHEAR  
WIND VELOCITY  
WINDMILLS (WINDPOWERED MACHINES)  
WINDPOWER UTILIZATION  
WINDPOWERED GENERATORS

#### GROUND-AIR-GROUND COMMUNICATION

- GS COMMUNICATING
  - . **GROUND-AIR-GROUND COMMUNICATION**
  - TELECOMMUNICATION
  - . **GROUND-AIR-GROUND COMMUNICATION**
- RT AERONAUTICAL SATELLITES  
AIR TRAFFIC CONTROL  
AIRCRAFT COMMUNICATION  
AUTOMATED EN ROUTE ATC  
COMMUNICATION SATELLITES  
DISCRETE ADDRESS BEACON SYSTEM  
OPTICAL COMMUNICATION  
RADIO COMMUNICATION  
SATELLITE COMMUNICATION  
SPACECRAFT COMMUNICATION  
VOICE COMMUNICATION

**GROUND-TO-AIR MISSILES**  
USE SURFACE TO AIR MISSILES

**GROUP BEHAVIOR**  
USE GROUP DYNAMICS

**GROUP DYNAMICS**  
UF GROUP BEHAVIOR  
RT DEPENDENCE  
∞ DYNAMICS  
ETHNIC FACTORS  
PROBLEM SOLVING  
SOCIOLOGY

**GROUP THEORY**  
GS ALGEBRA  
GROUP THEORY  
HOMOMORPHISMS  
AUTOMORPHISMS  
MONOIDS  
SUBGROUPS  
RT CHIRAL DYNAMICS  
FIBERS (MATHEMATICS)  
LIE GROUPS  
SUPERGRAVITY  
SUPERSYMMETRY  
∞ THEORIES

**GROUP VELOCITY**  
GS RATES (PER TIME)  
GROUP VELOCITY  
VELOCITY  
RT GROUP VELOCITY  
BEAT FREQUENCIES  
HARMONIC MOTION  
PHASE VELOCITY  
PROPAGATION VELOCITY  
QUANTUM MECHANICS  
WAVE PROPAGATION

**GROUP 1A COMPOUNDS**  
USE ALKALI METAL COMPOUNDS

∞ **GROUP 1B COMPOUNDS**  
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
RT ∞ CHEMICAL COMPOUNDS  
COPPER COMPOUNDS  
NOBLE METALS  
SILVER COMPOUNDS

**GROUP 2A COMPOUNDS**  
USE ALKALINE EARTH COMPOUNDS

∞ **GROUP 2B COMPOUNDS**  
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
RT CADMIUM COMPOUNDS  
∞ CHEMICAL COMPOUNDS  
MERCURY COMPOUNDS  
ZINC COMPOUNDS

∞ **GROUP 3A COMPOUNDS**  
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
RT ALUMINUM COMPOUNDS  
BORON COMPOUNDS  
∞ CHEMICAL COMPOUNDS  
GALLIUM COMPOUNDS  
INDIUM COMPOUNDS

∞ **GROUP 3B COMPOUNDS**  
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
RT ACTINIDE SERIES COMPOUNDS  
∞ CHEMICAL COMPOUNDS  
CURIUM COMPOUNDS  
RARE EARTH COMPOUNDS  
SCANDIUM COMPOUNDS  
YTTRIUM COMPOUNDS

∞ **GROUP 4A COMPOUNDS**  
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
RT CARBON COMPOUNDS  
∞ CHEMICAL COMPOUNDS  
GERMANIUM COMPOUNDS  
LEAD COMPOUNDS  
SILICON COMPOUNDS

**GROUP 4A COMPOUNDS--(CONT.)**  
TIN COMPOUNDS

∞ **GROUP 4B COMPOUNDS**  
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
RT ∞ CHEMICAL COMPOUNDS  
HAFNIUM COMPOUNDS  
TITANIUM COMPOUNDS  
ZIRCONIUM COMPOUNDS

∞ **GROUP 5A COMPOUNDS**  
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
UF Pnictides  
RT ANTIMONY COMPOUNDS  
ARSENIC COMPOUNDS  
BISMUTH COMPOUNDS  
∞ CHEMICAL COMPOUNDS  
NITROGEN COMPOUNDS  
OXYNITRIDES  
PHOSPHORUS COMPOUNDS

∞ **GROUP 5B COMPOUNDS**  
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
RT ∞ CHEMICAL COMPOUNDS  
NIOBIUM COMPOUNDS  
TANTALUM COMPOUNDS  
VANADIUM COMPOUNDS

∞ **GROUP 6A COMPOUNDS**  
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
RT CHALCOGENIDES  
∞ CHEMICAL COMPOUNDS  
POLONIUM COMPOUNDS  
SELENIUM COMPOUNDS  
SULFUR COMPOUNDS  
TELLURIUM COMPOUNDS

∞ **GROUP 6B COMPOUNDS**  
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
RT ∞ CHEMICAL COMPOUNDS  
CHROMIUM COMPOUNDS  
MOLYBDENUM COMPOUNDS  
TUNGSTEN COMPOUNDS

**GROUP 7A COMPOUNDS**  
USE HALOGEN COMPOUNDS

∞ **GROUP 7B COMPOUNDS**  
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
RT ∞ CHEMICAL COMPOUNDS  
MANGANESE COMPOUNDS  
RHENIUM COMPOUNDS  
TECHNETIUM COMPOUNDS

∞ **GROUP 8 COMPOUNDS**  
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
RT ∞ CHEMICAL COMPOUNDS  
COBALT COMPOUNDS  
IRON COMPOUNDS  
NICKEL COMPOUNDS  
OSMIUM COMPOUNDS  
PLATINUM COMPOUNDS  
RHODIUM COMPOUNDS

∞ **GROUPS**  
SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
RT CATEGORIES  
CLASSES  
SUBDIVISIONS

**GROUT**  
RT AMORPHOUS MATERIALS  
CEMENTS  
CLAYS  
CONCRETES  
∞ CONSTRUCTION MATERIALS  
MORTARS (MATERIAL)  
MUD

**GROUT--(CONT.)**  
PLASTERS  
TILES

**GROWTH**  
UF HYPERTROPHY  
MATURING  
GS **GROWTH**  
CRYSTAL GROWTH  
CZOCHEWSKI METHOD  
DIRECTIONAL SOLIDIFICATION (CRYSTALS)  
EPITAXY  
ELECTROEPITAXY  
LIQUID PHASE EPITAXY  
MOLECULAR BEAM EPITAXY  
VAPOR PHASE EPITAXY  
HYDROTHERMAL CRYSTAL GROWTH  
TRAVELING SOLVENT METHOD  
VERNEUIL PROCESS  
VEGETATION GROWTH  
CROP GROWTH  
RT ACCUMULATIONS  
CROP CALENDARS  
∞ DEVELOPMENT  
EVOLUTION (DEVELOPMENT)  
∞ FORMATION  
GERMINATION  
INCREASING  
INFLATING  
ONTOGENY  
PHYTOTRONS  
SHRINKAGE  
SINTERING  
SWELLING  
TIMBER VIGOR  
TIMBERLINE  
TRENDS  
VIABILITY  
WARPAGE  
YOUTH

**GROWTH CHAMBERS**  
USE PHYTOTRONS

**GRUMMAN AIRCRAFT**  
GS **GRUMMAN AIRCRAFT**  
A-6 AIRCRAFT  
C-1A AIRCRAFT  
C-2 AIRCRAFT  
E-2 AIRCRAFT  
F-9 AIRCRAFT  
F-14 AIRCRAFT  
F-111 AIRCRAFT  
JETSTREAM AIRCRAFT  
OV-1 AIRCRAFT  
RT ∞ AIRCRAFT  
AWACS AIRCRAFT

**GRUMMAN OV-1C AIRCRAFT**  
USE OV-1 AIRCRAFT

**GRUNEISEN CONSTANT**  
GS CONSTANTS  
RT **GRUNEISEN CONSTANT**  
COMPRESSIBILITY  
SPECIFIC HEAT  
THERMAL EXPANSION

**GTDS**  
USE GODDARD TRAJECTORY DETERMINATION SYSTEM

**GUADELOUPE**  
GS LANDFORMS  
ISLANDS  
WEST INDIES  
GUADELOUPE  
NATIONS  
FRANCE  
GUADELOUPE

**GUAM**  
GS LANDFORMS  
ISLANDS  
PACIFIC ISLANDS  
GUAM  
RT UNITED STATES

**GUANETHIDINE**  
GS AMINES  
DIAMINES  
GUANIDINES  
GUANETHIDINE



## GUANIDINES

### GUANETHIDINE-(CONT.)

- ORGANIC COMPOUNDS
- ... CYCLIC COMPOUNDS
- ... HETEROCYCLIC COMPOUNDS
- ... GUANETHIDINE

### GUANIDINES

- GS AMINES
- ... DIAMINES
- ... GUANIDINES
- ... GUANETHIDINE
- ... TRIAMINOGUANIDINIUM AZIDE
- RT PERFLUOROGUANIDINE

### GUANINES

- GS BASES (CHEMICAL)
- ... GUANINES
- FUNGICIDES
- ... XANTHINES
- ... GUANINES
- NITROGEN COMPOUNDS
- ... XANTHINES
- ... GUANINES
- ORGANIC COMPOUNDS
- ... CYCLIC COMPOUNDS
- ... HETEROCYCLIC COMPOUNDS
- ... PURINES
- ... XANTHINES
- ... GUANINES
- RT CYCLIC AMP

### GUANOSINES

- UF VERNINE
- GS ORGANIC COMPOUNDS
- ... CARBOHYDRATES
- ... GLUCOSIDES
- ... NUCLEOSIDES
- ... GUANOSINES
- RT NUCLEIC ACIDS
- RIBONUCLEIC ACIDS

### GUARDS (SHIELDS)

- RT ∞ BARRIERS
- COVERINGS
- HOUSINGS
- SAFETY DEVICES
- SAFETY MANAGEMENT
- SHIELDING

### GUATEMALA

- GS NATIONS
- ... GUATEMALA
- RT CENTRAL AMERICA

### GUAYULE

- GS PLANTS (BOTANY)
- ... GUAYULE
- RT BRUSH (BOTANY)
- RUBBER

### GUIDANCE (MOTION)

- GS GUIDANCE (MOTION)
- ... AIRCRAFT GUIDANCE
- ... BEAM RIDER GUIDANCE
- ... COMMAND GUIDANCE
- ... ENTRY GUIDANCE (STS)
- ... INERTIAL GUIDANCE
- ... STRAPDOWN INERTIAL GUIDANCE
- ... INJECTION GUIDANCE
- ... MAP MATCHING GUIDANCE
- ... MIDCOURSE GUIDANCE
- ... REENTRY GUIDANCE
- ... RENDEZVOUS GUIDANCE
- ... SPACECRAFT GUIDANCE
- ... SATELLITE GUIDANCE
- ... STANDARDIZED SPACE GUIDANCE
- ... TERMINAL GUIDANCE
- ... LASER GUIDANCE
- RT AIR NAVIGATION
- APPROACH
- ASCENT TRAJECTORIES
- ASTRONICS
- AUTOMATIC CONTROL
- AVIONICS
- CONTROL SURFACES
- FLIGHT CONTROL
- FLIGHT PATHS
- GROUND BASED CONTROL
- HOMING
- HOMING DEVICES
- IMPACT PREDICTION
- LANDING
- MANUAL CONTROL
- MISSILES
- NAVIGATION

### GUIDANCE (MOTION)-(CONT.)

- ∞ PLATFORMS
- POINTING CONTROL SYSTEMS
- RADIO NAVIGATION
- REMOTE CONTROL
- STATIONKEEPING
- ∞ SYSTEMS
- TRAJECTORY CONTROL
- VISUAL CONTROL

### GUIDANCE SENSORS

- RT ATTITUDE CONTROL
- IMAGE DISSECTOR TUBES
- OPTICAL MEASURING INSTRUMENTS
- ∞ SENSORS
- SOLAR SENSORS
- SPACECRAFT INSTRUMENTS
- STAR TRACKERS

### GUIDE VANES

- UF JETAVATORS
- GS CONTROL SURFACES
- ... GUIDE VANES
- ... JET VANES
- VANES
- ... GUIDE VANES
- ... JET VANES
- RT AIRFOILS
- HYDROFOILS
- THRUST VECTOR CONTROL

### GUIDED MISSILE SUBMARINES

- UF POLARIS SUBMARINES
- GS WATER VEHICLES
- ... SHIPS
- ... SUBMARINES
- ... GUIDED MISSILE SUBMARINES
- ... UNDERWATER VEHICLES
- ... SUBMARINES
- ... GUIDED MISSILE SUBMARINES
- RT FLEET BALLISTIC MISSILES
- POSEIDON MISSILES

### GUINEA

- GS NATIONS
- ... GUINEA
- RT AFRICA

### GUINEA PIGS

- GS ANIMALS
- ... VERTEBRATES
- ... MAMMALS
- ... RODENTS
- ... GUINEA PIGS

### GULF OF ALASKA

- GS GULFS
- ... GULF OF ALASKA
- RT ALASKA
- PACIFIC OCEAN

### GULF OF CALIFORNIA (MEXICO)

- GS GULFS
- ... GULF OF CALIFORNIA (MEXICO)
- RT MEXICO
- PACIFIC OCEAN

### GULF OF MEXICO

- GS GULFS
- ... GULF OF MEXICO
- RT ALABAMA
- CARIBBEAN SEA
- FLORIDA
- LOUISIANA
- MEXICO
- MISSISSIPPI
- RIO GRANDE (NORTH AMERICA)
- TEXAS

### GULF STREAM

- GS CIRCULATION
- ... WATER CIRCULATION
- ... WATER CURRENTS
- ... OCEAN CURRENTS
- ... GULF STREAM
- RT ATLANTIC OCEAN
- CARIBBEAN SEA
- LOMONOSOV CURRENT
- SARGASSO SEA
- TOPEX

### GULFS

- GS GULFS
- ... GULF OF ALASKA

### GULFS-(CONT.)

- ... GULF OF CALIFORNIA (MEXICO)
- ... GULF OF MEXICO
- ... PERSIAN GULF
- RT BAYS (TOPOGRAPHIC FEATURES)
- DELAWARE BAY (US)
- INLETS (TOPOGRAPHY)
- TOPOGRAPHY

### GULLIVER PROGRAM

- GS PROGRAMS
- ... GULLIVER PROGRAM
- RT EXTRATERRESTRIAL LIFE
- SPACE EXPLORATION

### GUM NEBULA

- GS CELESTIAL BODIES
- ... NEBULAE
- ... GUM NEBULA
- RT GALAXIES
- IRREGULAR GALAXIES
- ORION NEBULA

### GUM VULCANIZATES

- USE VULCANIZED ELASTOMERS

### GUMBEL THEORY

- USE RANGE (EXTREMES)

### GUMS (SUBSTANCES)

- GS GUMS (SUBSTANCES)
- ... ROSIN
- RT CHITIN
- POLYSACCHARIDES
- RUBBER
- TARS

### GUN LAUNCHERS

- SN (LIMITED TO ORDNANCE DEVICES FOR FIRING MISSILES AND ROCKETS WITH INITIAL ATTITUDE CONTROL)
- LAUNCHERS
- GS LAUNCHERS
- ... GUN LAUNCHERS
- RT ARTILLERY
- ∞ BARRELS
- GUNFIRE
- HOWITZERS
- HYPERVELOCITY LAUNCHERS
- MISSILE LAUNCHERS
- ROCKET CATAPULTS
- ROCKET LAUNCHERS
- SABOT PROJECTILES

### GUN PROPELLANTS

- UF GUNPOWDER
- GS PROPELLANTS
- ... GUN PROPELLANTS
- RT EXPLOSIVES
- GUNS (ORDNANCE)

### GUN TURRETS

- RT ∞ CUPOLAS
- GUNS (ORDNANCE)
- ∞ TURRET

### GUNFIRE

- RT ARTILLERY FIRE
- FIRE CONTROL
- FIRING (IGNITING)
- GUN LAUNCHERS
- GUNS (ORDNANCE)
- PROJECTILES

### GUNN DIODES

- GS ELECTRONIC EQUIPMENT
- ... DIODES
- ... SEMICONDUCTOR DIODES
- ... GUNN DIODES
- RT GALLIUM ARSENIDES
- NEGATIVE RESISTANCE DEVICES
- SEMICONDUCTOR DEVICES

### GUNN EFFECT

- RT ∞ EFFECTS
- NEGATIVE CONDUCTANCE
- NEGATIVE RESISTANCE DEVICES
- SEMICONDUCTOR DEVICES
- SEMICONDUCTOR LASERS

### GUNNERY TRAINING

- GS EDUCATION
- ... GUNNERY TRAINING
- RT ARTILLERY
- FIRE CONTROL

**GUNNERY TRAINING-(CONT.)**

GUNS (ORDNANCE)  
HOWITZERS  
WEAPONS

**GUNPOWDER**

USE GUN PROPELLANTS

**∞ GUNS**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT  
CROSSED FIELD GUNS  
ELECTRON GUNS  
GAS GUNS  
GUNS (ORDNANCE)  
HYPERVELOCITY GUNS  
PLASMA GUNS

**GUNS (ORDNANCE)**

UF CANNONS  
GS WEAPONS

**. GUNS (ORDNANCE)**

. ARTILLERY  
. . . HOWITZERS  
. . . RIFLES

RT AMMUNITION  
EXPLOSIVES  
GUN PROPELLANTS  
GUN TURRETS  
GUNFIRE  
GUNNERY TRAINING

**∞ GUNS**

HEAT OF COMBUSTION  
HYPERVELOCITY GUNS  
INCENDIARY AMMUNITION  
PROJECTILES  
PROPELLANTS  
SABOT PROJECTILES

**GUST ALLEVIATORS**

RT DEFLECTORS  
GUSTS  
MISSION ADAPTIVE WINGS  
SPOILERS  
TURBULENT FLOW  
VORTEX ALLEVIATION

**GUST LOADS**

GS AERODYNAMIC FORCES  
. AERODYNAMIC LOADS  
. . . **GUST LOADS**  
LOADS (FORCES)  
. DYNAMIC LOADS  
. . . AERODYNAMIC LOADS  
. . . **GUST LOADS**  
. . . TRANSIENT LOADS  
. . . **GUST LOADS**  
. . . RANDOM LOADS  
. . . **GUST LOADS**  
RT ATMOSPHERIC TURBULENCE  
BLAST LOADS  
GROUND WIND  
GUSTS  
STRUCTURAL DESIGN CRITERIA  
WIND PRESSURE  
WING LOADING

**GUSTATORY PERCEPTION**

USE TASTE

**GUSTS**

GS TURBULENCE  
. ATMOSPHERIC TURBULENCE  
. . . **GUSTS**  
WIND (METEOROLOGY)  
. **GUSTS**  
RT CLEAR AIR TURBULENCE  
GROUND WIND  
GUST ALLEVIATORS  
GUST LOADS  
SEA BREEZE  
STORM DAMAGE  
STORMS  
STORMS (METEOROLOGY)  
VORTEX AVOIDANCE

**GUT**

USE GRAND UNIFIED THEORY

**GUTENBERG ZONE**

GS MODELS  
. **GUTENBERG ZONE**  
REGIONS

**GUTENBERG ZONE-(CONT.)**

. **GUTENBERG ZONE**  
RT ACOUSTIC VELOCITY  
SEISMIC WAVES

**GUY WIRES**

UF STAYS  
GS WIRE  
. **GUY WIRES**  
RT ANCHORS (FASTENERS)  
STRUCTURAL MEMBERS

**GUYANA**

UF BRITISH GUINEA  
GS NATIONS  
. **GUYANA**  
RT CARIBBEAN REGION  
SOUTH AMERICA

**GYMNASTICS**

USE PHYSICAL EXERCISE

**GYNECOLOGY**

GS MEDICAL SCIENCE  
. **GYNECOLOGY**  
RT FEMALES  
GENITOURINARY SYSTEM

**GYPSUM**

GS MINERALS  
. **GYPSUM**  
PLASTERS  
. **GYPSUM**  
RT CALCIUM  
CHALK  
ROCKS  
SEDIMENTARY ROCKS  
SULFATES

**GYRATION**

GS **GYRATION**  
. PRECESSION  
. . . LARMOR PRECESSION  
. . . PROTON PRECESSION  
. . . QUENCHING (ATOMIC PHYSICS)  
. REVOLVING  
. ROTATION  
. . . AUTOROTATION  
. . . COROTATION  
. . . COUNTER ROTATION  
. . . EARTH ROTATION  
. . . MOLECULAR ROTATION  
. . . MUON SPIN ROTATION  
. . . PLANETARY ROTATION  
. . . SATELLITE ROTATION  
. . . STELLAR ROTATION  
. . . SOLAR ROTATION  
RT ANGULAR VELOCITY  
∞ MOTION  
SPIN DYNAMICS

**GYRATORS**

UF TELLEGEN THEORY  
GS MICROWAVE EQUIPMENT  
. **GYRATORS**  
. . . MICROWAVE FILTERS  
RT FERRITES  
MICROWAVE SWITCHING  
NETWORK ANALYSIS  
∞ NETWORKS  
PHASE SHIFT CIRCUITS  
WAVEGUIDES

**GYRES**

RT AIR WATER INTERACTIONS  
COASTAL CURRENTS  
OCEAN CURRENTS  
OCEANOGRAPHY

**GYRO HORIZONS**

GS DISPLAY DEVICES  
. **GYRO HORIZONS**  
FLIGHT INSTRUMENTS  
. ATTITUDE INDICATORS  
. . . **GYRO HORIZONS**  
GYROSCOPES  
. ATTITUDE GYROS  
. . . **GYRO HORIZONS**  
MEASURING INSTRUMENTS  
. INDICATING INSTRUMENTS  
. . . ATTITUDE INDICATORS  
. . . **GYRO HORIZONS**  
NAVIGATION AIDS  
. NAVIGATION INSTRUMENTS

**GYRO HORIZONS-(CONT.)**

. . . ATTITUDE INDICATORS  
. . . **GYRO HORIZONS**  
RT HORIZON

**GYROCOMPASSES**

GS GYROSCOPES  
. **GYROCOMPASSES**  
MEASURING INSTRUMENTS  
. INDICATING INSTRUMENTS  
. . . COMPASSES  
. . . **GYROCOMPASSES**  
NAVIGATION AIDS  
. NAVIGATION INSTRUMENTS  
. . . COMPASSES  
. . . **GYROCOMPASSES**  
RT MAGNETIC COMPASSES  
RADIO DIRECTION FINDERS  
SOLAR COMPASSES

**GYRODAMPERS**

RT CONTROL MOMENT GYROSCOPES  
GIMBALS  
GYROSCOPIC STABILITY  
STRUCTURAL VIBRATION  
VIBRATION DAMPING

**GYRODYNE AIRCRAFT**

GS **GYRODYNE AIRCRAFT**  
. QH-50 HELICOPTER  
RT ∞ AIRCRAFT

**GYRODYNE DSN-3 HELICOPTER**

USE QH-50 HELICOPTER

**GYRODYNE MILITARY AIRCRAFT**

USE QH-50 HELICOPTER

**GYROFREQUENCY**

GS MAGNETIC PROPERTIES  
. GYROMAGNETISM  
. . . **GYROFREQUENCY**  
RT CHARGED PARTICLES  
MAGNETOIONICS

**GYROINTERACTION**

USE MAGNETIC RIGIDITY

**GYROMAGNETISM**

GS MAGNETIC PROPERTIES  
. **GYROMAGNETISM**  
. . . GYROFREQUENCY  
RT LARMOR RADIUS

**GYROPLANES**

USE HELICOPTERS

**GYROS**

USE GYROSCOPES

**GYROSCOPE FLUIDS**

RT DAMPING  
∞ FLUIDS  
ROTARY GYROSCOPES  
SUSPENDING (HANGING)

**GYROSCOPES**

UF GYROS  
GYROSCOPIC DRIFT  
GYROSTATS  
GS **GYROSCOPES**  
. ATTITUDE GYROS  
. . . GYRO HORIZONS  
. . . CONTROL MOMENT GYROSCOPES  
. . . CRYOGENIC GYROSCOPES  
. . . ELECTROSTATIC GYROSCOPES  
. . . GYROCOMPASSES  
. . . GYROSCOPIC PENDULUMS  
. . . GYROSTABILIZERS  
. . . LASER GYROSCOPES  
. . . NUCLEAR GYROSCOPES  
. . . OPTICAL GYROSCOPES  
. . . ROTARY GYROSCOPES  
. . . FLUID ROTOR GYROSCOPES  
. . . TUNING FORK GYROSCOPES  
RT AUTOMATIC PILOTS  
GIMBALLESS INERTIAL NAVIGATION  
GIMBALS  
GRAVITY PROBE B  
GYROSCOPIC STABILITY  
PRECESSION  
∞ STABILIZERS  
TORQUERS

## GYROSCOPIC COUPLING

**GYROSCOPIC COUPLING**  
 GS COUPLING  
 . **GYROSCOPIC COUPLING**  
 RT NAVIGATION

**GYROSCOPIC DRIFT**  
 USE GYROSCOPES  
 GYROSCOPIC STABILITY

**GYROSCOPIC PENDULUMS**  
 UF PENDULOUS GYROSCOPES  
 GS GYROSCOPES  
 . **GYROSCOPIC PENDULUMS**  
 OSCILLATORS  
 . MECHANICAL OSCILLATORS  
 . PENDULUMS  
 . **GYROSCOPIC PENDULUMS**  
 RT ACCELEROMETERS  
 DAMPING  
 SCHULER TUNING

**GYROSCOPIC STABILITY**  
 UF GYROSCOPIC DRIFT  
 GS DYNAMIC CHARACTERISTICS  
 . DYNAMIC STABILITY  
 . MOTION STABILITY  
 . ATTITUDE STABILITY  
 . DIRECTIONAL STABILITY  
 . **GYROSCOPIC STABILITY**  
 . ROTARY STABILITY  
 . **GYROSCOPIC STABILITY**  
 STABILITY  
 . DYNAMIC STABILITY  
 . MOTION STABILITY  
 . ATTITUDE STABILITY  
 . DIRECTIONAL STABILITY  
 . **GYROSCOPIC STABILITY**  
 . ROTARY STABILITY  
 . **GYROSCOPIC STABILITY**  
 RT DAMPING  
 GYRODAMPERS  
 GYROSCOPES  
 HOVERING STABILITY  
 INERTIAL PLATFORMS  
 PRECESSION  
 ROTARY GYROSCOPES  
 SCHULER TUNING  
 SEA KEEPING  
 STABILIZED PLATFORMS  
 STABLE OSCILLATIONS  
 YO-YO DEVICES

**GYROSTABILIZERS**  
 GS GYROSCOPES  
 . **GYROSTABILIZERS**  
 RT NAVIGATION AIDS  
 SEA KEEPING  
 STABILIZED PLATFORMS  
 THRUST VECTOR CONTROL

**GYROSTATS**  
 USE GYROSCOPES

**GYROTRONS**  
 USE CYCLOTRON RESONANCE DEVICES

**GYROTROPISM**  
 GS TROPISM  
 . **GYROTROPISM**  
 RT ELECTROMAGNETIC PROPERTIES  
 FREQUENCY SHIFT

## H

**H ALPHA LINE**  
 GS SPECTRA  
 . RADIATION SPECTRA  
 . ELECTROMAGNETIC SPECTRA  
 . LINE SPECTRA  
 . H LINES  
 . **H ALPHA LINE**  
 RT ABSORPTION SPECTRA  
 EMISSION SPECTRA  
 H II REGIONS  
 SOLAR SPECTRA

**H BETA LINE**  
 GS SPECTRA  
 . RADIATION SPECTRA  
 . ELECTROMAGNETIC SPECTRA  
 . LINE SPECTRA

**H BETA LINE-(CONT.)**  
 . . . . H LINES  
 . . . . **H BETA LINE**  
 RT ABSORPTION SPECTRA  
 BALMER SERIES  
 EMISSION SPECTRA  
 SOLAR SPECTRA

**H GAMMA LINE**  
 GS SPECTRA  
 . RADIATION SPECTRA  
 . ELECTROMAGNETIC SPECTRA  
 . LINE SPECTRA  
 . H LINES  
 . **H GAMMA LINE**  
 RT ABSORPTION SPECTRA  
 BALMER SERIES  
 EMISSION SPECTRA  
 SOLAR SPECTRA

**H I REGIONS**  
 GS CELESTIAL BODIES  
 . NEBULAE  
 . **H I REGIONS**  
 HYDROGEN CLOUDS  
 . **H I REGIONS**  
 RT ∞CLOUDS  
 HYDROGEN ATOMS  
 INTERSTELLAR GAS  
 INTERSTELLAR MATTER  
 NEUTRAL ATOMS  
 NEUTRAL GASES  
 RADIO SPECTRA

**H II REGIONS**  
 GS CELESTIAL BODIES  
 . NEBULAE  
 . **H II REGIONS**  
 HYDROGEN CLOUDS  
 . **H II REGIONS**  
 RT ∞CLOUDS  
 EMISSION SPECTRA  
 H ALPHA LINE  
 HYDROGEN IONS  
 INTERSTELLAR GAS  
 INTERSTELLAR MATTER  
 IONIZED GASES

**H LINES**  
 SN (EXCLUDES SURFACES OF CONSTANT  
 MAGNETIC FIELD STRENGTH)  
 GS SPECTRA  
 . RADIATION SPECTRA  
 . ELECTROMAGNETIC SPECTRA  
 . LINE SPECTRA  
 . **H LINES**  
 . . . . H ALPHA LINE  
 . . . . H BETA LINE  
 . . . . H GAMMA LINE  
 RT ABSORPTION SPECTRA  
 BALMER SERIES  
 D LINES  
 EMISSION SPECTRA  
 K LINES  
 LYMAN SPECTRA  
 PASCHEN SERIES  
 RYDBERG SERIES  
 SOLAR SPECTRA  
 TELLURIC LINES

**H WAVES**  
 GS ELECTROMAGNETIC RADIATION  
 . **H WAVES**  
 OSCILLATIONS  
 . TRANSVERSE OSCILLATION  
 . **H WAVES**  
 TRANSVERSE WAVES  
 . **H WAVES**  
 RT ELECTRIC FIELD STRENGTH

**H-1 ENGINE**  
 GS ENGINES  
 . ROCKET ENGINES  
 . BOOSTER ROCKET ENGINES  
 . **H-1 ENGINE**  
 . LIQUID PROPELLANT ROCKET  
 ENGINES  
 . **H-1 ENGINE**  
 RT SATURN 1 LAUNCH VEHICLES  
 SATURN 1B LAUNCH VEHICLES

**H-13 HELICOPTER**  
 USE OH-13 HELICOPTER

**H-17 HELICOPTER**  
 UF FLYING CRANE HELICOPTER  
 GS HUGHES AIRCRAFT  
 . **H-17 HELICOPTER**  
 JET AIRCRAFT  
 . **H-17 HELICOPTER**  
 RESEARCH AIRCRAFT  
 . **H-17 HELICOPTER**  
 V/STOL AIRCRAFT  
 . ROTARY WING AIRCRAFT  
 . HELICOPTERS  
 . . . **H-17 HELICOPTER**

**H-19 HELICOPTER**  
 GS PASSENGER AIRCRAFT  
 . **H-19 HELICOPTER**  
 SIKORSKY AIRCRAFT  
 . **H-19 HELICOPTER**  
 TRANSPORT AIRCRAFT  
 . **H-19 HELICOPTER**  
 V/STOL AIRCRAFT  
 . ROTARY WING AIRCRAFT  
 . HELICOPTERS  
 . . . MILITARY HELICOPTERS  
 . . . **H-19 HELICOPTER**

**H-21 HELICOPTER**  
 USE CH-21 HELICOPTER

**H-23 HELICOPTER**  
 USE OH-23 HELICOPTER

**H-25 HELICOPTER**  
 GS BOEING AIRCRAFT  
 . **H-25 HELICOPTER**  
 V/STOL AIRCRAFT  
 . ROTARY WING AIRCRAFT  
 . HELICOPTERS  
 . . . TANDEM ROTOR HELICOPTERS  
 . . . **H-25 HELICOPTER**  
 RT ANTISUBMARINE WARFARE AIRCRAFT

**H-34 HELICOPTER**  
 USE CH-34 HELICOPTER

**H-43 HELICOPTER**  
 GS KAMAN AIRCRAFT  
 . **H-43 HELICOPTER**  
 V/STOL AIRCRAFT  
 . ROTARY WING AIRCRAFT  
 . HELICOPTERS  
 . . . MILITARY HELICOPTERS  
 . . . **H-43 HELICOPTER**

**H-51 HELICOPTER**  
 USE XH-51 HELICOPTER

**H-53 HELICOPTER**  
 UF CH-53 HELICOPTER  
 HHX HELICOPTER  
 SIKORSKY S-65 HELICOPTER  
 GS PASSENGER AIRCRAFT  
 . **H-53 HELICOPTER**  
 SIKORSKY AIRCRAFT  
 . **H-53 HELICOPTER**  
 TRANSPORT AIRCRAFT  
 . **H-53 HELICOPTER**  
 V/STOL AIRCRAFT  
 . ROTARY WING AIRCRAFT  
 . HELICOPTERS  
 . . . MILITARY HELICOPTERS  
 . . . **H-53 HELICOPTER**

**H-54 HELICOPTER**  
 GS V/STOL AIRCRAFT  
 . ROTARY WING AIRCRAFT  
 . HELICOPTERS  
 . . . **H-54 HELICOPTER**

**H-56 HELICOPTER**  
 GS PASSENGER AIRCRAFT  
 . **H-56 HELICOPTER**  
 SIKORSKY AIRCRAFT  
 . **H-56 HELICOPTER**  
 TRANSPORT AIRCRAFT  
 . **H-56 HELICOPTER**  
 V/STOL AIRCRAFT  
 . ROTARY WING AIRCRAFT  
 . HELICOPTERS  
 . . . MILITARY HELICOPTERS  
 . . . **H-56 HELICOPTER**

**H-60 HELICOPTER**  
 UF BLACK HAWK ASSAULT HELICOPTER

**H-60 HELICOPTER-(CONT.)**

GS SIKORSKY AIRCRAFT  
 . H-60 HELICOPTER  
 V/STOL AIRCRAFT  
 . ROTARY WING AIRCRAFT  
 . HELICOPTERS  
 . . . MILITARY HELICOPTERS  
 . . . . H-60 HELICOPTER  
 RT ∞ AIRCRAFT  
 ∞ MILITARY AIRCRAFT

**H-126 AIRCRAFT**

UF HUNTING H-126 AIRCRAFT  
 GS BAC AIRCRAFT  
 . H-126 AIRCRAFT  
 JET AIRCRAFT  
 . H-126 AIRCRAFT  
 MONOPLANES  
 . H-126 AIRCRAFT  
 RESEARCH AIRCRAFT  
 . H-126 AIRCRAFT  
 RT ∞ AIRCRAFT  
 JET FLAPS

**HABITABILITY**

RT ECOLOGY  
 ENVIRONMENTAL CONTROL  
 ENVIRONMENTS  
 SHELTERS

**HABITATS**

SN (LIMITED TO PLANTS AND ANIMALS)  
 GS REGIONS  
 . HABITATS  
 RT ANIMALS  
 ∞ BIOLOGY  
 BOTANY  
 CONSERVATION  
 EARTH RESOURCES  
 ECOLOGY  
 ENDANGERED SPECIES  
 ENVIRONMENT EFFECTS  
 ENVIRONMENTS  
 WILDLIFE

**HABITS**

RT LEARNING  
 PSYCHOLOGICAL FACTORS

**HABITUATION (LEARNING)**

GS LEARNING  
 . HABITUATION (LEARNING)  
 RT CONDITIONING (LEARNING)

**HADRONS**

GS PARTICLES  
 . ELEMENTARY PARTICLES  
 . . HADRONS  
 . . . BARYONS  
 . . . . OMEGA-MESONS  
 . . . . RHO-MESONS  
 . . . . SIGMA-MESONS  
 . . . MESONS  
 . . . . KAONS  
 . . . . MUONS  
 . . . . OMEGA-MESONS  
 . . . . VECTOR MESONS  
 . . . . RHO-MESONS  
 . . . . SIGMA-MESONS  
 RT CHARM (PARTICLE PHYSICS)  
 FLAVOR (PARTICLE PHYSICS)  
 PARTONS  
 QUARK PARTON MODEL  
 VECTOR DOMINANCE MODEL

**HAFNIUM**

GS CHEMICAL ELEMENTS  
 . HAFNIUM  
 . . HAFNIUM ISOTOPES  
 METALS  
 . TRANSITION METALS  
 . HAFNIUM  
 . . HAFNIUM ISOTOPES

**HAFNIUM ALLOYS**

GS ALLOYS  
 . HAFNIUM ALLOYS  
 RT HEAT RESISTANT ALLOYS  
 NIOBIUM ALLOYS  
 TANTALUM ALLOYS  
 TUNGSTEN ALLOYS  
 ZIRCONIUM ALLOYS

**HAFNIUM CARBIDES**

GS CARBON COMPOUNDS  
 . CARBIDES  
 . . HAFNIUM CARBIDES  
 HAFNIUM COMPOUNDS  
 . HAFNIUM CARBIDES

**HAFNIUM COMPOUNDS**

GS HAFNIUM COMPOUNDS  
 . HAFNIUM CARBIDES  
 . HAFNIUM IODIDES  
 . HAFNIUM OXIDES  
 RT ∞ CHEMICAL COMPOUNDS  
 ∞ GROUP 4B COMPOUNDS  
 ∞ METAL COMPOUNDS

**HAFNIUM IODIDES**

GS HAFNIUM COMPOUNDS  
 . HAFNIUM IODIDES  
 HALOGEN COMPOUNDS  
 . HALIDES  
 . . METAL HALIDES  
 . . . HAFNIUM IODIDES  
 . IODINE COMPOUNDS  
 . . IODIDES  
 . . . HAFNIUM IODIDES

**HAFNIUM ISOTOPES**

GS CHEMICAL ELEMENTS  
 . HAFNIUM  
 . . HAFNIUM ISOTOPES  
 . NUCLEIDES  
 . . ISOTOPES  
 . . . HAFNIUM ISOTOPES  
 METALS  
 . TRANSITION METALS  
 . . HAFNIUM  
 . . . HAFNIUM ISOTOPES

**HAFNIUM OXIDES**

GS CHALCOGENIDES  
 . OXIDES  
 . . METAL OXIDES  
 . . . HAFNIUM OXIDES  
 HAFNIUM COMPOUNDS  
 . HAFNIUM OXIDES

**HAIL**

UF HAILSTONES  
 GS PRECIPITATION (METEOROLOGY)  
 . HAIL  
 RT CLOUD GLACIATION  
 HAILSTORMS  
 ICE FORMATION  
 STORMS (METEOROLOGY)  
 THUNDERSTORMS

**HAILSTONES**

USE HAIL

**HAILSTORMS**

GS STORMS  
 . STORMS (METEOROLOGY)  
 . . HAILSTORMS  
 RT CLIMATOLOGY  
 HAIL  
 METEOROLOGY  
 PRECIPITATION (METEOROLOGY)  
 RAINSTORMS  
 STORM DAMAGE  
 STORM ENHANCEMENT  
 STORM SUPPRESSION  
 THUNDERSTORMS

**HAIR**

GS FIBERS  
 . HAIR  
 RT KERATINS  
 SKIN (ANATOMY)  
 WOOL

**HAITI**

GS LANDFORMS  
 . ISLANDS  
 . . WEST INDIES  
 . . . HAITI  
 NATIONS  
 . HAITI  
 RT CARIBBEAN REGION  
 CARIBBEAN SEA

**HAL/S (LANGUAGE)**

GS LANGUAGES  
 . PROGRAMMING LANGUAGES

**HAL/S (LANGUAGE)-(CONT.)**

. . HAL/S (LANGUAGE)  
 RT COMPUTER PROGRAMMING  
 COMPUTERS

**HALDEN BOILING WATER REACTOR**

UF HALDEN REACTOR  
 HBWR REACTOR  
 GS NUCLEAR REACTORS  
 . LIQUID COOLED REACTORS  
 . . WATER COOLED REACTORS  
 . . . BOILING WATER REACTORS  
 . . . . HALDEN BOILING WATER REACTOR

**HALDEN REACTOR**

USE HALDEN BOILING WATER REACTOR

**HALF CONES**

RT AERODYNAMIC CONFIGURATIONS  
 CIRCULAR CONES  
 CONES  
 CONICS  
 NOSE CONES

**HALF LIFE**

GS LIFE (DURABILITY)  
 . HALF LIFE  
 RT DECAY  
 NUCLEAR REACTIONS  
 POST-BLAST NUCLEAR RADIATION  
 RADIATIVE LIFETIME  
 RADIOACTIVE AGE DETERMINATION  
 RADIOACTIVE DECAY  
 RADIOACTIVITY  
 REACTION KINETICS

**HALF PLANES**

GS ANALYSIS (MATHEMATICS)  
 . HALF PLANES  
 RT BOUNDARY VALUE PROBLEMS  
 COORDINATES  
 DIFFERENTIAL EQUATIONS  
 GREEN'S FUNCTIONS

**HALF SPACES**

GS ANALYSIS (MATHEMATICS)  
 . HALF SPACES  
 RT BOUNDARY VALUE PROBLEMS  
 COORDINATES  
 ELLIPTIC DIFFERENTIAL EQUATIONS  
 FRACTALS  
 GREEN'S FUNCTIONS

**HALIDES**

GS HALOGEN COMPOUNDS  
 . HALIDES  
 . . BROMIDES  
 . . . AMMONIUM BROMIDES  
 . . . CESIUM BROMIDES  
 . . . CHROMIUM BROMIDES  
 . . . DIBROMIDES  
 . . . HYDROBROMIC ACID  
 . . . HYDROBROMIDES  
 . . . MAGNESIUM BROMIDES  
 . . . POTASSIUM BROMIDES  
 . . . SILVER BROMIDES  
 . . . SODIUM BROMIDES  
 . . . STRONTIUM BROMIDES  
 . . . CHLORIDES  
 . . . ALUMINUM CHLORIDES  
 . . . AMMONIUM CHLORIDES  
 . . . BERYLLIUM CHLORIDES  
 . . . BORON CHLORIDES  
 . . . CADMIUM CHLORIDES  
 . . . CALCIUM CHLORIDES  
 . . . CARBON TETRACHLORIDE  
 . . . COPPER CHLORIDES  
 . . . DICHLORIDES  
 . . . GERMANIUM CHLORIDES  
 . . . HYDROCHLORIDES  
 . . . HYDROGEN CHLORIDES  
 . . . HYDROCHLORIC ACID  
 . . . IRON CHLORIDES  
 . . . LANTHANUM CHLORIDES  
 . . . LEAD CHLORIDES  
 . . . LITHIUM CHLORIDES  
 . . . MAGNESIUM CHLORIDES  
 . . . NITROSYL CHLORIDES  
 . . . NITROXYCHLORIDES  
 . . . NITRYL CHLORIDES  
 . . . PHOSGENE  
 . . . POTASSIUM CHLORIDES  
 . . . SILICON TETRACHLORIDE  
 . . . SILVER CHLORIDES

## HALITES

### HALIDES-(CONT.)

. . . SODIUM CHLORIDES  
 . . . SULFUR CHLORIDES  
 . . . TETRACHLORIDES  
 . . . TITANIUM CHLORIDES  
 . . . TUNGSTEN CHLORIDES  
 . . . ZINC CHLORIDES  
 . . . FLUORIDES  
 . . . ANTIMONY FLUORIDES  
 . . . BARIUM FLUORIDES  
 . . . BORON FLUORIDES  
 . . . CHLORINE FLUORIDES  
 . . . DIFLUORIDES  
 . . . CALCIUM FLUORIDES  
 . . . FLUORSFAR  
 . . . HYDROFLUORIC ACID  
 . . . NITROGEN FLUORIDES  
 . . . OXYFLUORIDES  
 . . . OXYGEN FLUORIDES  
 . . . OZONE FLUORIDE  
 . . . PERCHLORYL FLUORIDES  
 . . . SULFUR FLUORIDES  
 . . . TECHNETIUM FLUORIDES  
 . . . METAL HALIDES  
 . . . ALKALI HALIDES  
 . . . CESIUM HALIDES  
 . . . CESIUM BROMIDES  
 . . . CESIUM FLUORIDES  
 . . . CESIUM IODIDES  
 . . . POTASSIUM IODIDES  
 . . . SODIUM BROMIDES  
 . . . SODIUM CHLORIDES  
 . . . SODIUM FLUORIDES  
 . . . SODIUM IODIDES  
 . . . ALUMINUM CHLORIDES  
 . . . BARIUM FLUORIDES  
 . . . BERYLLIUM CHLORIDES  
 . . . CADMIUM CHLORIDES  
 . . . CALCIUM CHLORIDES  
 . . . CHROMIUM BROMIDES  
 . . . COPPER CHLORIDES  
 . . . HAFNIUM IODIDES  
 . . . IRON CHLORIDES  
 . . . LANTHANUM CHLORIDES  
 . . . LEAD CHLORIDES  
 . . . LITHIUM CHLORIDES  
 . . . MAGNESIUM BROMIDES  
 . . . NIOBIUM IODIDES  
 . . . POTASSIUM BROMIDES  
 . . . POTASSIUM CHLORIDES  
 . . . SILVER HALIDES  
 . . . SILVER BROMIDES  
 . . . SILVER CHLORIDES  
 . . . SILVER IODIDES  
 . . . STRONTIUM BROMIDES  
 . . . TECHNETIUM FLUORIDES  
 . . . TITANIUM CHLORIDES  
 . . . TUNGSTEN HALIDES  
 . . . TUNGSTEN CHLORIDES  
 . . . TUNGSTEN FLUORIDES  
 . . . ZINC CHLORIDES  
 . . . ZIRCONIUM IODIDES  
 . . . OXYHALIDES  
 RT HALOGENS  
 . . . MOLTEN SALTS  
 . . . NITROSYLS

### HALITES

UF ROCK SALT  
 RT MOLTEN SALTS  
 . . . SALTS

### HALL ACCELERATORS

RT . . . ACCELERATORS  
 . . . ALPHA PLASMA DEVICES  
 . . . MAGNETOHYDRODYNAMICS  
 . . . PLASMA PHYSICS

### HALL COEFFICIENT

USE HALL EFFECT

### HALL CURRENTS

USE ELECTRIC CURRENT  
 . . . HALL EFFECT

### HALL EFFECT

UF HALL COEFFICIENT  
 . . . HALL CURRENTS  
 RT CARRIER MOBILITY  
 . . . EFFECTS  
 . . . GALVANOMAGNETIC EFFECTS  
 . . . MAGNETOHYDRODYNAMICS  
 . . . MOBILITY  
 . . . POLARIZATION (CHARGE SEPARATION)  
 . . . SEMICONDUCTOR DEVICES

### HALL EFFECT-(CONT.)

TRANSPORT PROPERTIES

### HALL GENERATORS

RT CIRCULATORS (PHASE SHIFT CIRCUITS)  
 . . . FARADAY EFFECT  
 . . . GENERATORS  
 . . . PLASMA GENERATORS  
 . . . SIGNAL GENERATORS

### HALLAM NUCLEAR POWER FACILITY

UF HNPFF (HALLAM NUCLEAR POWER FACILITY)  
 GS ELECTRIC POWER PLANTS  
 . . . NUCLEAR POWER PLANTS  
 . . . HALLAM NUCLEAR POWER FACILITY  
 . . . NUCLEAR ELECTRIC POWER GENERATION  
 . . . NUCLEAR POWER PLANTS  
 . . . HALLAM NUCLEAR POWER FACILITY  
 RT . . . POWER PLANTS  
 . . . SODIUM GRAPHITE REACTORS

### HALLEY'S COMET

GS CELESTIAL BODIES  
 . . . COMETS  
 . . . HALLEY'S COMET  
 RT GIOTTO MISSION  
 . . . SOLAR SYSTEM  
 . . . VEGA PROJECT

### HALLUCINATIONS

GS PSYCHOLOGICAL EFFECTS  
 . . . ILLUSIONS  
 . . . HALLUCINATIONS  
 RT SIGNS AND SYMPTOMS

### HALO ORBIT SPACE STATION

GS ARTIFICIAL SATELLITES  
 . . . SPACE STATIONS  
 . . . HALO ORBIT SPACE STATION  
 . . . STATIONS  
 . . . SPACE STATIONS  
 . . . HALO ORBIT SPACE STATION  
 RT LUNAR SPACECRAFT

### HALOCARBONS

GS CARBON COMPOUNDS  
 . . . HALOCARBONS  
 . . . CHLOROCARBONS  
 . . . FLUOROCARBONS  
 . . . HALOGEN COMPOUNDS  
 . . . HALOCARBONS  
 . . . CHLOROCARBONS  
 . . . FLUOROCARBONS  
 RT BROMINE COMPOUNDS  
 . . . CHEMICAL COMPOUNDS  
 . . . CHLORINE COMPOUNDS  
 . . . FLUORINE COMPOUNDS  
 . . . FLUORO COMPOUNDS  
 . . . IODINE COMPOUNDS

### HALOE

USE HALOGEN OCCULTATION EXPERIMENT

### HALOGEN COMPOUNDS

UF GROUP 7A COMPOUNDS  
 GS HALOGEN COMPOUNDS  
 . . . BROMINE COMPOUNDS  
 . . . BROMATES  
 . . . BROMIDES  
 . . . AMMONIUM BROMIDES  
 . . . CESIUM BROMIDES  
 . . . CHROMIUM BROMIDES  
 . . . DIBROMIDES  
 . . . HYDROBROMIC ACID  
 . . . HYDROBROMIDES  
 . . . MAGNESIUM BROMIDES  
 . . . POTASSIUM BROMIDES  
 . . . SILVER BROMIDES  
 . . . SODIUM BROMIDES  
 . . . STRONTIUM BROMIDES  
 . . . CHLORINE COMPOUNDS  
 . . . CHLORATES  
 . . . CHLORIDES  
 . . . ALUMINUM CHLORIDES  
 . . . AMMONIUM CHLORIDES  
 . . . BERYLLIUM CHLORIDES  
 . . . BORON CHLORIDES  
 . . . CADMIUM CHLORIDES  
 . . . CALCIUM CHLORIDES  
 . . . CARBON TETRACHLORIDE  
 . . . COPPER CHLORIDES  
 . . . DICHLORIDES  
 . . . GERMANIUM CHLORIDES

### HALOGEN COMPOUNDS-(CONT.)

. . . HYDROCHLORIDES  
 . . . IRON CHLORIDES  
 . . . LANTHANUM CHLORIDES  
 . . . LEAD CHLORIDES  
 . . . LITHIUM CHLORIDES  
 . . . MAGNESIUM CHLORIDES  
 . . . NITROSYL CHLORIDES  
 . . . NITROXYCHLORIDES  
 . . . NITRYL CHLORIDES  
 . . . PHOSGENE  
 . . . POTASSIUM CHLORIDES  
 . . . SILICON TETRACHLORIDE  
 . . . SILVER CHLORIDES  
 . . . SODIUM CHLORIDES  
 . . . SULFUR CHLORIDES  
 . . . TETRACHLORIDES  
 . . . TITANIUM CHLORIDES  
 . . . TUNGSTEN CHLORIDES  
 . . . ZINC CHLORIDES  
 . . . CHLORINE FLUORIDES  
 . . . CHLORINE OXIDES  
 . . . CHLOROCARBONS  
 . . . CHLOROSILANES  
 . . . DDT  
 . . . MECLIZINE  
 . . . PERCHLORATES  
 . . . ALUMINUM PERCHLORATES  
 . . . AMMONIUM PERCHLORATES  
 . . . HYDRAZINE PERCHLORATES  
 . . . HYDROGEN PERCHLORATE  
 . . . HYDROXYLAMMONIUM  
 . . . PERCHLORATES  
 . . . LITHIUM PERCHLORATES  
 . . . MAGNESIUM PERCHLORATES  
 . . . NITRONIUM PERCHLORATE  
 . . . POTASSIUM PERCHLORATES  
 . . . FLUORINE COMPOUNDS  
 . . . FLUORIDES  
 . . . ANTIMONY FLUORIDES  
 . . . BARIUM FLUORIDES  
 . . . BORON FLUORIDES  
 . . . CHLORINE FLUORIDES  
 . . . COMPOUND A  
 . . . CRYOLITE  
 . . . DEUTERIUM FLUORIDES  
 . . . DIFLUORIDES  
 . . . CALCIUM FLUORIDES  
 . . . FLUORSFAR  
 . . . HYDROFLUORIC ACID  
 . . . METAL FLUORIDES  
 . . . ALUMINUM FLUORIDES  
 . . . BERYLLIUM FLUORIDES  
 . . . CADMIUM FLUORIDES  
 . . . CALCIUM FLUORIDES  
 . . . CESIUM FLUORIDES  
 . . . CHROMIUM FLUORIDES  
 . . . COBALT FLUORIDES  
 . . . COPPER FLUORIDES  
 . . . LANTHANUM FLUORIDES  
 . . . LITHIUM FLUORIDES  
 . . . MAGNESIUM FLUORIDES  
 . . . NICKEL FLUORIDES  
 . . . PLUTONIUM FLUORIDES  
 . . . PROACTINIUM FLUORIDES  
 . . . SODIUM FLUORIDES  
 . . . STRONTIUM FLUORIDES  
 . . . THORIUM FLUORIDES  
 . . . TUNGSTEN FLUORIDES  
 . . . URANIUM FLUORIDES  
 . . . ZINC FLUORIDES  
 . . . NITROGEN FLUORIDES  
 . . . NITRYL FLUORIDES  
 . . . OXYFLUORIDES  
 . . . OXYGEN FLUORIDES  
 . . . OZONE FLUORIDE  
 . . . PERCHLORYL FLUORIDES  
 . . . POLYVINYL FLUORIDE  
 . . . SULFUR FLUORIDES  
 . . . TECHNETIUM FLUORIDES  
 . . . FLUORITE  
 . . . FLUORO COMPOUNDS  
 . . . CRYOLITE  
 . . . DIFLUORO COMPOUNDS  
 . . . PERFLUOROALKANE  
 . . . POLYTETRAFLUOROETHYLENE  
 . . . TEFLON (TRADEMARK)  
 . . . FLUORINE ORGANIC COMPOUNDS  
 . . . FLUOROAMINES  
 . . . NITROFLUOROAMINES  
 . . . TRIFLUOROAMINE OXIDE  
 . . . FLUOROCARBONS  
 . . . FLUOROHYDROCARBONS  
 . . . CARBON TETRAFLUORIDE  
 . . . CHLOROFLUOROMETHANE  
 . . . KEL-F

## HANDLING EQUIPMENT

### HALOGEN COMPOUNDS-(CONT.)

... PERFLUOROALKANE  
... PERFLUOROGUANIDINE  
... FLUOROSILICATES  
... TETRAFLUOROHYDRAZINE  
... HALIDES  
... BROMIDES  
... AMMONIUM BROMIDES  
... CESIUM BROMIDES  
... CHROMIUM BROMIDES  
... DIBROMIDES  
... HYDROBROMIC ACID  
... HYDROBROMIDES  
... MAGNESIUM BROMIDES  
... POTASSIUM BROMIDES  
... SILVER BROMIDES  
... SODIUM BROMIDES  
... STRONTIUM BROMIDES  
... CHLORIDES  
... ALUMINUM CHLORIDES  
... AMMONIUM CHLORIDES  
... BERYLLIUM CHLORIDES  
... BORON CHLORIDES  
... CADMIUM CHLORIDES  
... CALCIUM CHLORIDES  
... CARBON TETRACHLORIDE  
... COPPER CHLORIDES  
... DICHLORIDES  
... GERMANIUM CHLORIDES  
... HYDROCHLORIDES  
... HYDROGEN CHLORIDES  
... HYDROCHLORIC ACID  
... IRON CHLORIDES  
... LANTHANUM CHLORIDES  
... LEAD CHLORIDES  
... LITHIUM CHLORIDES  
... MAGNESIUM CHLORIDES  
... NITROSYL CHLORIDES  
... NITROXYCHLORIDES  
... NITRYL CHLORIDES  
... PHOSGENE  
... POTASSIUM CHLORIDES  
... SILICON TETRACHLORIDE  
... SILVER CHLORIDES  
... SODIUM CHLORIDES  
... SULFUR CHLORIDES  
... TETRACHLORIDES  
... TITANIUM CHLORIDES  
... TUNGSTEN CHLORIDES  
... ZINC CHLORIDES  
... FLUORIDES  
... ANTIMONY FLUORIDES  
... BARIUM FLUORIDES  
... BORON FLUORIDES  
... CHLORINE FLUORIDES  
... DIFLUORIDES  
... CALCIUM FLUORIDES  
... FLUORSPAR  
... HYDROFLUORIC ACID  
... NITROGEN FLUORIDES  
... OXYFLUORIDES  
... OXYGEN FLUORIDES  
... OZONE FLUORIDE  
... PERCHLORYL FLUORIDES  
... SULFUR FLUORIDES  
... TECHNETIUM FLUORIDES  
... METAL HALIDES  
... ALKALI HALIDES  
... CESIUM HALIDES  
... CESIUM BROMIDES  
... CESIUM FLUORIDES  
... CESIUM IODIDES  
... POTASSIUM IODIDES  
... SODIUM BROMIDES  
... SODIUM CHLORIDES  
... SODIUM FLUORIDES  
... SODIUM IODIDES  
... ALUMINUM CHLORIDES  
... BARIUM FLUORIDES  
... BERYLLIUM CHLORIDES  
... CADMIUM CHLORIDES  
... CALCIUM CHLORIDES  
... CHROMIUM BROMIDES  
... COPPER CHLORIDES  
... HAFNIUM IODIDES  
... IRON CHLORIDES  
... LANTHANUM CHLORIDES  
... LEAD CHLORIDES  
... LITHIUM CHLORIDES  
... MAGNESIUM BROMIDES  
... NIOBIUM IODIDES  
... POTASSIUM BROMIDES  
... POTASSIUM CHLORIDES  
... SILVER HALIDES  
... SILVER BROMIDES  
... SILVER CHLORIDES

### HALOGEN COMPOUNDS-(CONT.)

... SILVER IODIDES  
... STRONTIUM BROMIDES  
... TECHNETIUM FLUORIDES  
... TITANIUM CHLORIDES  
... TUNGSTEN HALIDES  
... TUNGSTEN CHLORIDES  
... TUNGSTEN FLUORIDES  
... ZINC CHLORIDES  
... ZIRCONIUM IODIDES  
... OXYHALIDES  
... HALOCARBONS  
... CHLOROCARBONS  
... FLUOROCARBONS  
... IODINE COMPOUNDS  
... IODATES  
... LITHIUM IODATES  
... IODIDES  
... CESIUM IODIDES  
... GALLAMINE TRIETHIODIDE  
... HAFNIUM IODIDES  
... NIOBIUM IODIDES  
... POTASSIUM IODIDES  
... SILVER IODIDES  
... SODIUM IODIDES  
... ZIRCONIUM IODIDES  
... IODOACETIC ACID  
... NITROSYLS  
... NITROSYL CHLORIDES  
RT  $\infty$  CHEMICAL COMPOUNDS

### HALOGEN OCCULTATION EXPERIMENT

UF HALOE  
GS PAYLOADS  
... SPACE SHUTTLE PAYLOADS  
... HALOGEN OCCULTATION  
EXPERIMENT  
RT OZONE

### HALOGENATION

GS CHEMICAL REACTIONS  
... HALOGENATION  
... BROMINATION  
... CHLORINATION  
... FLUORINATION  
RT DEFLUORINATION  
HALOGENS

### HALOGENS

GS CHEMICAL ELEMENTS  
... HALOGENS  
... ASTATINE  
... BROMINE  
... BROMINE ISOTOPES  
... CHLORINE  
... FLUORINE  
... FLUORINE ISOTOPES  
... IODINE  
... IODINE ISOTOPES  
... IODINE 125  
... IODINE 131  
... IODINE 132  
RT EXCIMER LASERS  
HALIDES  
HALOGENATION

### HALOPHILES

RT AGRICULTURE  
PLANTS (BOTANY)

### HALOS

GS SCATTERING  
... WAVE SCATTERING  
... ELECTROMAGNETIC SCATTERING  
... LIGHT SCATTERING  
... HALOS  
TRANSMISSION  
... ELECTROMAGNETIC WAVE  
TRANSMISSION  
... LIGHT TRANSMISSION  
... LIGHT SCATTERING  
... HALOS  
... WAVE PROPAGATION  
... LIGHT SCATTERING  
... HALOS  
RT ASTRONOMY  
ATMOSPHERIC SCATTERING  
CORONAS  
HAZE  
IMAGES  
RAINBOWS

### HALPHEN METHOD

RT  $\infty$  METHODOLOGY

### HAMBURGER AIRCRAFT

GS HAMBURGER AIRCRAFT  
... C-160 AIRCRAFT  
... HFB-320 AIRCRAFT  
RT  $\infty$  AIRCRAFT

### HAMBURGER HFB-320 AIRCRAFT

USE HFB-320 AIRCRAFT

### HAMILTON-JACOBI EQUATION

RT  $\infty$  EQUATIONS  
EQUATIONS OF MOTION  
HAMILTONIAN FUNCTIONS  
RELATIVISTIC PARTICLES

### HAMILTONIAN FUNCTIONS

GS FUNCTIONS (MATHEMATICS)  
... HAMILTONIAN FUNCTIONS  
RT CLASSICAL MECHANICS  
 $\infty$  DYNAMICS  
HAMILTON-JACOBI EQUATION  
QUANTUM THEORY  
VON ZEIPPEL METHOD

### HAMMERHEAD CONFIGURATION

RT FOREBODIES  
MISSILE CONFIGURATIONS

### HAMMERS

GS HAMMERS  
... ELECTROMAGNETIC HAMMERS  
RT IMPACTORS  
PRESSES  
RAMS (PRESSES)  
TOOLS

### HAMSTERS

GS ANIMALS  
... VERTEBRATES  
... MAMMALS  
... RODENTS  
... HAMSTERS

### HAND (ANATOMY)

GS ANATOMY  
... LIMBS (ANATOMY)  
... HAND (ANATOMY)  
... FINGERS  
APPENDAGES  
... HAND (ANATOMY)  
... FINGERS  
RT WRIST

### HANDBOOKS

GS DOCUMENTS  
... HANDBOOKS  
... USER MANUALS (COMPUTER  
PROGRAMS)  
RT BIBLIOGRAPHIES  
DIRECTORIES  
INDEXES (DOCUMENTATION)  
MANUALS  
SUBJECTS  
TEXTBOOKS  
TRAINING ANALYSIS

### HANDEDNESS

RT LATERAL STABILITY

### HANDICAPS

RT FRUSTRATION  
 $\infty$  INHIBITION  
WHEELCHAIRS

### HANDLES

RT KNOBS  
LEVERS  
MANUAL CONTROL

### HANDLEY PAGE AIRCRAFT

GS HANDLEY PAGE AIRCRAFT  
... HP-115 AIRCRAFT  
... VICTOR MK-1 AIRCRAFT  
RT  $\infty$  AIRCRAFT

### HANDLEY PAGE HP-115 AIRCRAFT

USE HP-115 AIRCRAFT

### HANDLING EQUIPMENT

GS HANDLING EQUIPMENT  
... CRANES  
... GANTRY CRANES  
RT CRAWLER TRACTORS  
 $\infty$  EQUIPMENT

## HANDLING QUALITIES

### HANDLING EQUIPMENT-(CONT.)

GROUND SUPPORT EQUIPMENT  
HARBORS  
LOCOMOTIVES  
PROPELLANT STORAGE  
∞ STORAGE  
TRACTORS  
TRANSPORTATION

### HANDLING QUALITIES

USE CONTROLLABILITY

### HANDWRITING

GS **HANDWRITING**  
GRAPHOLOGY  
RT CHARACTER RECOGNITION  
ORTHOGRAPHY

### HANFORD REACTORS

GS NUCLEAR REACTORS  
HANFORD REACTORS  
RT REACTOR DESIGN  
REACTOR PHYSICS  
REACTOR TECHNOLOGY

### HANG GLIDERS

GS GLIDERS  
HANG GLIDERS  
RT ∞ AIRCRAFT  
FLEXIBLE WINGS  
FREE FLIGHT  
MAN POWERED AIRCRAFT  
PARAWINGS  
SAILWINGS  
SOARING  
ULTRALIGHT AIRCRAFT  
∞ WINGED VEHICLES

### HANGARS

RT AIRFIELD SURFACE MOVEMENTS  
AIRPORTS  
BUILDINGS  
GROUND HANDLING  
GROUND STATIONS  
HELIPORTS  
MILITARY AIR FACILITIES

### HANKEL FUNCTIONS

GS ANALYSIS (MATHEMATICS)  
COMPLEX VARIABLES  
BESSEL FUNCTIONS  
HANKEL FUNCTIONS  
REAL VARIABLES  
BESSEL FUNCTIONS  
HANKEL FUNCTIONS  
FUNCTIONS (MATHEMATICS)  
HANKEL FUNCTIONS  
RT BOUNDARY VALUE PROBLEMS  
DIFFERENTIAL EQUATIONS  
ORTHOGONAL FUNCTIONS

### HANSEN LUNAR THEORY

RT EARTH ORBITS  
ORBITAL MECHANICS  
PERTURBATION THEORY  
∞ THEORIES

### HAPLOSCOPES

GS MEASURING INSTRUMENTS  
OPTICAL MEASURING INSTRUMENTS  
HAPLOSCOPES  
OPTICAL EQUIPMENT  
OPTICAL MEASURING INSTRUMENTS  
HAPLOSCOPES  
RT ASTIGMATISM  
BINOCULAR VISION  
EYE EXAMINATIONS  
∞ INSTRUMENTS  
OPTOMETRY

### HARBORS

GS WATERWAYS  
HARBORS  
ARTIFICIAL HARBORS  
RT BOATS  
BREAKWATERS  
CARGO  
DREDGING  
ESTUARIES  
FREIGHTERS  
HANDLING EQUIPMENT  
MARINE TRANSPORTATION  
OCEANOGRAPHY  
∞ PORTS

### HARBORS-(CONT.)

REGIONAL PLANNING  
SHIP TERMINALS  
SHIPS  
TANKER SHIPS  
TERMINAL FACILITIES  
TRAFFIC  
∞ TRAVEL  
WATER VEHICLES  
WHARVES

### HARD COAL

USE ANTHRACITE

### HARD LANDING

GS LANDING  
HARD LANDING  
RT AIRCRAFT LANDING  
CRASH LANDING  
LUNAR LANDING  
PLANETARY LANDING  
SOFT LANDING  
SPACECRAFT LANDING  
WATER LANDING

### HARDENERS

RT ALLOYS  
HARDENING (MATERIALS)  
HEAT TREATMENT

### ∞ HARDENING

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT HARDENING (MATERIALS)  
HARDENING (SYSTEMS)

### HARDENING (MATERIALS)

UF METAL HARDENING  
GS **HARDENING (MATERIALS)**  
CARBURIZING  
COLD HARDENING  
HOT PRESSING  
HOT ISOSTATIC PRESSING  
NITRIDING  
PRECIPITATION HARDENING  
MARAGING  
PULSE HEATING  
SHOT PEENING  
SILICONIZING  
WORK HARDENING  
STRAIN HARDENING  
RT AGING (MATERIALS)  
AGING (METALLURGY)  
ANNEALING  
COAGULATION  
HARDENERS  
∞ HARDENING  
HEAT TREATMENT  
MARTENSITE  
METAL WORKING  
∞ METALLURGY  
MICROSTRUCTURE  
NORMALIZING (HEAT TREATMENT)  
PEENING  
QUENCHING (COOLING)  
∞ SETTING  
SOFTENING  
TEMPERING

### HARDENING (SYSTEMS)

RT ∞ HARDENING  
MISSILE DEFENSE  
NUCLEAR WARFARE  
∞ SYSTEMS

### HARDNESS

GS MECHANICAL PROPERTIES  
HARDNESS  
KNOOP HARDNESS  
MICROHARDNESS  
ROCKWELL HARDNESS  
RT ABRASION RESISTANCE  
BRITTLE MATERIALS  
BRITTLINESS  
CHARPY IMPACT TEST  
COLD HARDENING  
DUCTILITY  
FATIGUE (MATERIALS)  
FRACTURE STRENGTH  
IMPACT STRENGTH  
INDENTATION  
NOTCH TESTS  
PLASTIC PROPERTIES  
SOFTNESS

### HARDNESS-(CONT.)

SURFACE PROPERTIES  
TEMPER (METALLURGY)  
TOUGHNESS  
WEAR  
WEAR RESISTANCE

### HARDNESS TESTS

RT COMPRESSION TESTS  
HIGH TEMPERATURE TESTS  
IMPACT TESTS  
KNOOP HARDNESS  
LOW TEMPERATURE TESTS  
∞ MATERIALS TESTS  
NONDESTRUCTIVE TESTS  
STATIC TESTS  
∞ TESTS  
WEAR TESTS

### HARDWARE

RT COMPUTERS  
ELECTRONIC MODULES  
∞ EQUIPMENT  
FIRMWARE  
FIXTURES  
TOOLS

### HARDWARE UTILIZATION LISTS

UF HUL  
GS LISTS

### ∞ HARDWARE UTILIZATION LISTS

RT ∞ CATALOGS  
DOCUMENTS

### HARLETON METEORITE

GS CELESTIAL BODIES  
METEORITES  
HARLETON METEORITE  
RT IRON METEORITES  
STONY METEORITES

### HARMONIC ANALYSIS

GS ANALYSIS (MATHEMATICS)  
FUNCTIONAL ANALYSIS  
HARMONIC ANALYSIS  
TESSERAL HARMONICS  
ZONAL HARMONICS  
RT BANACH SPACE  
FORM FACTORS  
FOURIER ANALYSIS  
FREQUENCY ANALYZERS  
MICROWAVE RESONANCE

### HARMONIC CONTROL

RT ∞ CONTROL  
HARMONIC OSCILLATION  
HARMONICS  
HELICOPTER CONTROL  
ROTARY WINGS  
VIBRATION DAMPING

### HARMONIC EXCITATION

GS EXCITATION  
WAVE EXCITATION  
HARMONIC EXCITATION  
HARMONICS  
HARMONIC EXCITATION  
RT ACOUSTICS  
FOURIER ANALYSIS  
SIMPLE HARMONIC MOTION

### HARMONIC FUNCTIONS

GS ANALYSIS (MATHEMATICS)  
COMPLEX VARIABLES  
HARMONIC FUNCTIONS  
FUNCTIONS (MATHEMATICS)  
HARMONIC FUNCTIONS  
RT AIRY FUNCTION  
FOURIER ANALYSIS  
LAPLACE EQUATION  
MAXIMUM PRINCIPLE

### HARMONIC GENERATIONS

GS HARMONICS  
HARMONIC GENERATIONS  
RT ACOUSTICS  
CARRIER FREQUENCIES  
FOURIER ANALYSIS  
PHASE MATCHING  
WAVE GENERATION

### HARMONIC GENERATORS

RT COMPARATORS  
FREQUENCY CONVERTERS

**HARMONIC GENERATORS-(CONT.)**

∞ GENERATORS  
HARMONICS  
OSCILLATORS  
SUBHARMONIC GENERATORS

**HARMONIC MOTION**

GS **HARMONIC MOTION**  
SIMPLE HARMONIC MOTION  
RT GROUP VELOCITY  
∞ MOTION

**HARMONIC OSCILLATION**

GS HARMONICS  
HARMONIC OSCILLATION  
OSCILLATIONS  
HARMONIC OSCILLATION  
RT ACOUSTICS  
FOURIER ANALYSIS  
HARMONIC CONTROL  
TRANSVERSE OSCILLATION

**HARMONIC OSCILLATORS**

GS OSCILLATORS  
HARMONIC OSCILLATORS  
RT HARMONICS  
MECHANICAL OSCILLATORS  
SUBHARMONIC GENERATORS

**HARMONIC RADIATION**

RT ELECTROMAGNETIC RADIATION  
∞ RADIATION

**HARMONICS**

UF OVERTONES  
GS **HARMONICS**  
HARMONIC EXCITATION  
HARMONIC GENERATIONS  
HARMONIC OSCILLATION  
SIMPLE HARMONIC MOTION  
SPHERICAL HARMONICS  
SUPERHARMONICS  
TESSERAL HARMONICS  
ZONAL HARMONICS  
RT ACOUSTICS  
CYCLES  
FOURIER ANALYSIS  
FREQUENCIES  
HARMONIC CONTROL  
HARMONIC GENERATORS  
HARMONIC OSCILLATORS  
NODES (STANDING WAVES)  
RESONANT FREQUENCIES  
SOUND-SOUND INTERACTIONS  
STANDING WAVES  
SUBAUDIBLE FREQUENCIES  
SUBHARMONIC GENERATORS  
VIBRATION  
WAVELENGTHS

**HARNESSES**

RT COUCHES  
SAFETY DEVICES  
SEAT BELTS  
SEATS  
TRANSMISSION LINES

**HARPOON MISSILE**

GS MISSILES  
AIR TO SURFACE MISSILES  
HARPOON MISSILE  
RT SURFACE TO SURFACE MISSILES  
WEAPON SYSTEMS

**HARRIER AIRCRAFT**

UF AV-8A AIRCRAFT  
AV-8B AIRCRAFT  
GS ATTACK AIRCRAFT  
FIGHTER AIRCRAFT  
HARRIER AIRCRAFT  
HAWKER SIDDELEY AIRCRAFT  
HARRIER AIRCRAFT  
RT ∞ AIRCRAFT  
BUCCANEER AIRCRAFT  
∞ MILITARY AIRCRAFT  
P-1127 AIRCRAFT  
SAAB 37 AIRCRAFT  
VAMPIRE MK 35 AIRCRAFT  
VULCAN AIRCRAFT

**HARTMANN FLOW**

GS FLUID FLOW  
LAMINAR FLOW  
HARTMANN FLOW

**HARTMANN FLOW-(CONT.)**

STEADY FLOW  
HARTMANN FLOW  
RT COUETTE FLOW  
MAGNETOHYDRODYNAMIC FLOW  
MAGNETOHYDRODYNAMICS  
TWO DIMENSIONAL FLOW

**HARTMANN NUMBER**

GS RATIOS  
DIMENSIONLESS NUMBERS  
HARTMANN NUMBER  
RT MAGNETOHYDRODYNAMICS  
VISCOUS DRAG

**HARTREE APPROXIMATION**

UF HARTREE-APPLETON APPROXIMATION  
HARTREE-FOCK APPROXIMATION  
GS ANALYSIS (MATHEMATICS)  
NUMERICAL ANALYSIS  
APPROXIMATION  
HARTREE APPROXIMATION  
RT ATOMIC STRUCTURE  
MANY BODY PROBLEM  
PERTURBATION THEORY  
SELF CONSISTENT FIELDS  
WAVE FUNCTIONS

**HARTREE-APPLETON APPROXIMATION**

USE HARTREE APPROXIMATION

**HARTREE-FOCK APPROXIMATION**

USE HARTREE APPROXIMATION

**HARTREE-FOCK-SLATER METHOD**

RT ATOMIC PHYSICS  
ELECTRON ENERGY  
∞ METHODOLOGY  
SLATER ORBITALS

**HARVARD RADIO METEOR PROJECT**

GS PROGRAMS  
PROJECTS  
HARVARD RADIO METEOR PROJECT  
RT RADIO ECHOES

**HASTELLOY (TRADEMARK)**

GS ALLOYS  
NICKEL ALLOYS  
HASTELLOY (TRADEMARK)  
RT IRON ALLOYS  
MOLYBDENUM ALLOYS

**HATCHES**

RT AIR LOCKS  
DOORS  
EGRESS  
GATES (OPENINGS)  
INGRESS (SPACECRAFT PASSAGEWAY)

**HAULING**

RT CARGO  
DELIVERY  
MATERIALS HANDLING  
PACKAGING  
TRANSPORTATION  
TRANSPORTATION ENERGY  
TRUCKS

**HAWAII**

GS LANDFORMS  
ISLANDS  
HAWAII  
NATIONS  
UNITED STATES  
HAWAII

**HAWK MISSILE**

GS MISSILES  
SURFACE TO AIR MISSILES  
HAWK MISSILE  
RT SOLID PROPELLANT ROCKET ENGINES

**HAWKER HUNTER AIRCRAFT**

USE F-2 AIRCRAFT

**HAWKER P-1052 AIRCRAFT**

USE P-1052 AIRCRAFT

**HAWKER P-1127 AIRCRAFT**

USE P-1127 AIRCRAFT

**HAWKER P-1154 AIRCRAFT**

USE P-1154 AIRCRAFT

**HAWKER SIDDELEY AIRCRAFT**

GS **HAWKER SIDDELEY AIRCRAFT**  
ARGOSY MK-1 AIRCRAFT  
AVRO 707 AIRCRAFT  
BUCCANEER AIRCRAFT  
COMET 4 AIRCRAFT  
DH 112 AIRCRAFT  
DH 115 AIRCRAFT  
DH 121 AIRCRAFT  
DH 125 AIRCRAFT  
F-2 AIRCRAFT  
GA-5 AIRCRAFT  
HARRIER AIRCRAFT  
HS-748 AIRCRAFT  
HS-801 AIRCRAFT  
P-1052 AIRCRAFT  
P-1127 AIRCRAFT  
P-1154 AIRCRAFT  
SHACKLETON BOMBER  
VAMPIRE MK 35 AIRCRAFT  
VULCAN AIRCRAFT  
RT ∞ AIRCRAFT

**HAWKEYE AIRCRAFT**

USE E-2 AIRCRAFT

**HAWKEYE SATELLITES**

GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
HAWKEYE SATELLITES

**HAWKEYE 1 SATELLITE**

USE EXPLORER 52 SATELLITE

**HAY**

GS FARM CROPS  
HAY  
PLANTS (BOTANY)  
GRASSES  
HAY  
RT AGRICULTURE  
BOTANY  
EARTH RESOURCES  
FARMLANDS  
∞ FOOD  
GRASSLANDS  
LEGUMINOUS PLANTS

**HAYNES STELLITE**

USE STELLITE (TRADEMARK)

**HAZ (METALLURGY)**

USE HEAT AFFECTED ZONE

**HAZARDOUS MATERIAL DISPOSAL (IN SPACE)**

GS DISPOSAL  
WASTE DISPOSAL  
HAZARDOUS MATERIAL DISPOSAL  
(IN SPACE)  
RT AEROSPACE ENVIRONMENTS  
PUBLIC HEALTH  
RADIOACTIVE WASTES  
TOXICITY AND SAFETY HAZARD

**HAZARDS**

UF DANGER  
NOISE HAZARDS  
GS **HAZARDS**  
AIRCRAFT HAZARDS  
FLIGHT HAZARDS  
METEOROID HAZARDS  
OPERATIONAL HAZARDS  
RADIATION HAZARDS  
TOXIC HAZARDS  
RT ACCIDENT PREVENTION  
ACCIDENTS  
AIRCRAFT SPIN  
AVOIDANCE  
CRASH INJURIES  
∞ DETECTORS  
EXPLOSIONS  
FIRES  
FLAMMABLE GASES  
INCOMPATIBILITY  
INJURIES  
LOW VISIBILITY  
NOISE TOLERANCE  
OCCUPATIONAL DISEASES  
PROTECTION  
RISK  
SABOTAGE  
SAFETY  
SAFETY DEVICES  
SAFETY FACTORS  
SAFETY MANAGEMENT



## HAZE

### HAZARDS-(CONT.)

SPONTANEOUS COMBUSTION  
TOXICOLOGY  
WARNING SYSTEMS

### HAZE

RT AIR POLLUTION  
ATMOSPHERIC OPTICS  
CLARITY  
FOG  
HALOS  
LIGHT TRANSMISSION  
LOW VISIBILITY  
MIST  
OPACITY  
OPTICAL PROPERTIES  
TRANSPARENCY  
TURBIDITY  
VISIBILITY

### HAZE DETECTION

GS DETECTION  
HAZE DETECTION  
RT FOG  
FOREST FIRE DETECTION  
FUMES  
GAS DETECTORS  
MIST  
REMOTE SENSORS  
SMOKE  
VAPORS

### HBNO

USE NITROGUANIDINE

### HBWR REACTOR

USE HALDEN BOILING WATER REACTOR

### HC-1 HELICOPTER

USE CH-47 HELICOPTER

### HC-3 HELICOPTER

UF OMNIPOL HC-3 HELICOPTER  
GS GENERAL AVIATION AIRCRAFT  
HC-3 HELICOPTER  
TRANSPORT AIRCRAFT  
HC-3 HELICOPTER  
UTILITY AIRCRAFT  
HC-3 HELICOPTER  
V/STOL AIRCRAFT  
ROTARY WING AIRCRAFT  
HELICOPTERS  
HC-3 HELICOPTER  
RT PASSENGER AIRCRAFT

### HCL ARGON LASERS

GS STIMULATED EMISSION DEVICES  
LASERS  
GAS LASERS  
HCL LASERS  
HCL ARGON LASERS

### HCL LASERS

UF HYDROGEN CHLORIDE LASERS  
GS STIMULATED EMISSION DEVICES  
LASERS  
CHEMICAL LASERS  
HCL LASERS  
GAS LASERS  
HCL LASERS  
HCL ARGON LASERS

### HCMM

USE HEAT CAPACITY MAPPING MISSION

### HCN LASERS

UF HYDROGEN CYANIDE LASERS  
GS STIMULATED EMISSION DEVICES  
LASERS  
GAS LASERS  
HCN LASERS  
CHEMICAL LASERS  
COHERENT LIGHT  
HYDROCYANIC ACID  
LIGHT AMPLIFIERS  
LIGHT SOURCES  
OPTICAL PUMPING  
STIMULATED EMISSION

### HD-1 GROUND EFFECT MACHINES

USE HOVERCRAFT GROUND EFFECT  
MACHINES

### HEAD (ANATOMY)

GS ANATOMY  
HEAD (ANATOMY)  
SKULL  
CRANIUM  
INTRACRANIAL CAVITY  
MASTOIDS  
RT BRAIN  
CHIN  
EYE (ANATOMY)  
FACE (ANATOMY)  
FOREHEAD  
LIPS (ANATOMY)  
NOSE (ANATOMY)  
SENSE ORGANS

### HEAD (FLUID MECHANICS)

GS FLUID FLOW  
HEAD (FLUID MECHANICS)  
HEAD FLOW  
PRESSURE HEADS  
RT ELEVATION  
GEOPOTENTIAL HEIGHT  
HYDROSTATIC PRESSURE  
HYDROSTATICS  
LIQUID FLOW  
PRESSURE  
SCALE HEIGHT

### HEAD (PRESSURE)

USE PRESSURE HEADS

### HEAD DOWN TILT

RT AEROSPACE MEDICINE  
BED REST  
BIOASTRONAUTICS  
BODY SWAY TEST  
HEMODYNAMIC RESPONSES  
HYPOKINESIA  
ORTHOSTATIC TOLERANCE  
PHYSIOLOGICAL EFFECTS  
VESTIBULAR TESTS  
WEIGHTLESSNESS SIMULATION

### HEAD FLOW

GS FLUID FLOW  
HEAD (FLUID MECHANICS)  
HEAD FLOW  
RT BASE FLOW  
BLASIS FLOW  
INLET FLOW  
LIQUID FLOW  
PRESSURE DROP

### HEAD MOVEMENT

RT ACCELERATION STRESSES  
(PHYSIOLOGY)  
AEROSPACE MEDICINE  
EYE MOVEMENTS  
MOTION  
MOTION SICKNESS  
VESTIBULAR TESTS

### HEAD-UP DISPLAYS

GS DISPLAY DEVICES  
HEAD-UP DISPLAYS  
RT AVIONICS  
CONSOLES  
FLIGHT INSTRUMENTS  
IMAGE TUBES  
INDICATING INSTRUMENTS  
LANDING AIDS  
NAVIGATION AIDS  
POSITION INDICATORS  
SPACECRAFT POSITION INDICATORS  
WARNING SYSTEMS

### HEADACHE

UF CEPHALALGIA  
DISEASES  
HEADACHE  
SIGNS AND SYMPTOMS  
HEADACHE

### HEADERS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT BEAMS (SUPPORTS)  
CHASSIS  
HERMETIC SEALS  
PIPES (TUBES)  
SUPPORTS  
TERMINALS

### HEADSETS

USE EARPHONES

### HEALING

GS HEALING  
WOUND HEALING  
RT CLINICAL MEDICINE  
CURES  
THERAPY

### HEALTH

GS HEALTH  
HEALTH PHYSICS  
PUBLIC HEALTH  
MENTAL HEALTH  
RT CHRONIC CONDITIONS  
CLINICAL MEDICINE  
HYGIENE  
ORAL HYGIENE  
PSYCHOTHERAPY  
SANITATION

### HEALTH PHYSICS

GS BIOPHYSICS  
HEALTH PHYSICS  
PUBLIC HEALTH  
HEALTH  
HEALTH PHYSICS  
PUBLIC HEALTH  
RT FLUENCE  
INDUSTRIAL SAFETY  
NUCLEAR MEDICINE  
NUCLEAR PHYSICS  
NUCLEAR RADIATION  
OCCUPATIONAL DISEASES  
PHYSICS  
RADIATION DETECTORS  
RADIATION DOSAGE  
RADIATION EFFECTS  
RADIATION HAZARDS  
RADIATION INJURIES  
RADIATION MEASURING INSTRUMENTS  
RADIATION PROTECTION  
RADIATION SICKNESS  
RADIOBIOLOGY  
SAFETY FACTORS  
SCIENCE

### HEALTH PHYSICS RESEARCH REACTOR

UF HPRR  
GS NUCLEAR REACTORS  
NUCLEAR RESEARCH AND TEST  
REACTORS  
HEALTH PHYSICS RESEARCH  
REACTOR  
RT PHYSICS

### HEALTH-EDUCATION TELECOMMUNICATIONS EXP

USE HET EXPERIMENT

### HEAO

UF HIGH ENERGY ASTRONOMY  
OBSERVATORIES  
GS OBSERVATORIES  
ASTRONOMICAL OBSERVATORIES  
ASTRONOMICAL SATELLITES  
HEAD  
HEAO 1  
HEAO 2  
HEAO 3  
RT OAO

### HEAO A

USE HEAO 1

### HEAO B

USE HEAO 2

### HEAO C

USE HEAO 3

### HEAO 1

UF HEAO A  
HIGH ENERGY ASTRONOMY  
OBSERVATORY A  
HIGH ENERGY ASTRONOMY  
OBSERVATORY 1  
GS OBSERVATORIES  
ASTRONOMICAL OBSERVATORIES  
ASTRONOMICAL SATELLITES  
HEAO  
HEAO 1  
UNMANNED SPACECRAFT  
HEAO 1

## HEAT FLUX

### HEAO 1-(CONT.)

RT OAO

### HEAO 2

UF EINSTEIN OBSERVATORY  
HEAO B  
HIGH ENERGY ASTRONOMY  
OBSERVATORY B  
HIGH ENERGY ASTRONOMY  
OBSERVATORY 2  
GS OBSERVATORIES  
. ASTRONOMICAL OBSERVATORIES  
. ASTRONOMICAL SATELLITES  
. HEAO  
. HEAO 2  
UNMANNED SPACECRAFT  
HEAO 2  
RT OAO

### HEAO 3

UF HEAO C  
HIGH ENERGY ASTRONOMY  
OBSERVATORY C  
HIGH ENERGY ASTRONOMY  
OBSERVATORY 3  
GS OBSERVATORIES  
. ASTRONOMICAL OBSERVATORIES  
. ASTRONOMICAL SATELLITES  
. HEAO  
. HEAO 3  
UNMANNED SPACECRAFT  
HEAO 3  
RT OAO

### HEARING

GS HEARING  
RT . BINAURAL HEARING  
AUDIOLOGY  
AUDIOMETRY  
AUDITORY FATIGUE  
AUDITORY TASKS  
EAR  
LOUDNESS  
STEREOPHONICS  
THRESHOLDS (PERCEPTION)

### HEARING LOSS

USE AUDITORY DEFECTS

### HEART

GS ANATOMY  
. CIRCULATORY SYSTEM  
. CARDIOVASCULAR SYSTEM  
. HEART  
. CARDIAC AURICLES  
. CARDIAC VENTRICLES  
. EPICARDIUM  
. MYOCARDIUM  
RT AORTA  
ARTIFICIAL CARDIAC PACEMAKER  
ARTIFICIAL HEART VALVES  
BLOOD  
BLOOD PUMPS  
CARDIOGRAMS  
CARDIOGRAPHY  
CARDIOLOGY  
CARDIOTACHOMETERS  
CORONARY CIRCULATION  
DIASTOLE  
MUSCLES  
PHONOCARDIOGRAPHY

### HEART DISEASES

GS DISEASES  
. HEART DISEASES  
. ANGINA PECTORIS  
. CORONARY ARTERY DISEASE  
. INFARCTION  
. MYOCARDIAL INFARCTION  
RT BRADYCARDIA  
CARDIOGRAPHY  
CARDIOLOGY  
CARDIOVASCULAR SYSTEM  
ECHOCARDIOGRAPHY  
ELECTROCARDIOGRAPHY  
FAT EMBOLISMS  
FIBRILLATION  
HIS BUNDLE  
PHONOCARDIOGRAPHY

### HEART FUNCTION

GS HEART FUNCTION  
. DIASTOLE  
. HEART MINUTE VOLUME  
. SYSTOLE

### HEART FUNCTION-(CONT.)

RT ANGINA PECTORIS  
CYANOSIS  
ECHOCARDIOGRAPHY  
HIS BUNDLE

### HEART IMPLANTATION

GS IMPLANTATION  
. HEART IMPLANTATION  
RT ARTIFICIAL HEART VALVES  
BIOTECHNOLOGY  
BLOOD CIRCULATION  
CIRCULATION  
PULMONARY CIRCULATION  
SURGERY  
TRANSPLANTATION

### HEART MINUTE VOLUME

GS HEART FUNCTION  
. HEART MINUTE VOLUME  
RT SPIROMETERS

### HEART RATE

UF PULSE (CARDIOVASCULAR)  
GS RATES (PER TIME)  
. HEART RATE  
. ARRHYTHMIA  
. BRADYCARDIA  
. TACHYCARDIA  
RT ANGINA PECTORIS  
BIOFEEDBACK  
BIOMEDICAL DATA  
CARDIOLOGY  
DIASTOLE  
EPINEPHRINE  
HERING-BREVER REFLEX  
SPHYGMOGRAPHY  
SYSTOLE

### HEART VALVES

GS VALVES  
. HEART VALVES  
RT CORONARY CIRCULATION

### HEARTHES

RT FURNACES  
REFRACTORIES

### HEAT

GS HEAT  
. DRY HEAT  
. ENTHALPY  
. GIBBS FREE ENERGY  
. HEAT OF DISSOCIATION  
. HEAT OF FORMATION  
. HEAT OF SOLUTION  
. LATENT HEAT  
. HEAT OF FUSION  
. HEAT OF VAPORIZATION  
. HEAT OF COMBUSTION  
. NUCLEAR HEAT  
. PROCESS HEAT  
. SPECIFIC HEAT  
RT ACTIVATION ENERGY  
ENERGY  
ENTROPY  
HEATING  
HEATING EQUIPMENT  
INFRARED RADIATION  
TEMPERATURE  
THERMAL ENERGY  
THERMAL INSULATION  
THERMAL RADIATION  
THERMOCHEMISTRY  
THERMODYNAMIC PROPERTIES  
THERMODYNAMICS  
WORK

### HEAT ACCLIMATIZATION

GS ADAPTATION  
. ACCLIMATIZATION  
. HEAT ACCLIMATIZATION  
RT BODY TEMPERATURE  
COLD ACCLIMATIZATION  
HIGH TEMPERATURE ENVIRONMENTS  
HUMAN TOLERANCES  
PERSPIRATION  
PHYSIOLOGICAL EFFECTS

### HEAT AFFECTED ZONE

UF HAZ (METALLURGY)  
RT ARC WELDING  
GAS TUNGSTEN ARC WELDING  
HEAT TREATMENT  
METAL BONDING

### HEAT AFFECTED ZONE-(CONT.)

METAL-METAL BONDING  
METALLURGY  
SOLDERING  
TEMPERATURE DEPENDENCE  
TEMPERATURE EFFECTS  
THERMOMECHANICAL TREATMENT  
WELDABILITY  
WELDING

### HEAT BALANCE

RT ATMOSPHERIC HEAT BUDGET  
BALANCE  
BOILERS  
COMBUSTION  
MATERIAL BALANCE  
PYROMETALLURGY  
THERMOCHEMICAL PROPERTIES  
THERMOCHEMISTRY  
THERMODYNAMIC PROPERTIES

### HEAT BUDGET

GS ENERGY BUDGETS  
. HEAT BUDGET  
. ATMOSPHERIC HEAT BUDGET  
RT BUDGETS  
EARTH RADIATION BUDGET  
SPECIFIC HEAT

### HEAT CAPACITY

USE SPECIFIC HEAT

### HEAT CAPACITY MAPPING MISSION

UF HCMM  
RT APPLICATIONS EXPLORER SATELLITES  
GEOGRAPHY  
MAPPING  
MISSIONS  
PLANETARY MAPPING  
THERMAL MAPPING

### HEAT CONDUCTION

USE CONDUCTIVE HEAT TRANSFER

### HEAT CONTENT

USE ENTHALPY

### HEAT DISSIPATION

USE COOLING

### HEAT DISSIPATION CHILLING

USE COOLING

### HEAT EFFECTS

USE TEMPERATURE EFFECTS

### HEAT EQUATIONS

USE THERMODYNAMICS

### HEAT EXCHANGERS

GS HEAT EXCHANGERS  
. TUBE HEAT EXCHANGERS  
RT CONDENSERS (LIQUEFIERS)  
COOLANTS  
COOLING  
COOLING FINS  
COOLING SYSTEMS  
COUNTERFLOW  
EVAPORATORS  
EXCHANGERS  
FINNED BODIES  
GAS COOLING  
GEOTHERMAL ENERGY EXTRACTION  
HEATING  
HEATING EQUIPMENT  
REGENERATIVE COOLING  
REGENERATORS  
SNAP  
SNAP 1  
SNAP 2  
SNAP 8  
SNAP 10A  
SPACE COOLING (BUILDINGS)  
SPACE POWER REACTORS  
SPACE POWER UNIT REACTORS  
WASTE HEAT  
WATER HEATING

### HEAT FLOW

USE HEAT TRANSMISSION

### HEAT FLUX

SN (LIMITED TO HEAT ENERGY  
TRANSMISSION RATE)

## HEAT GAIN

### HEAT FLUX-(CONT.)

- GS RATES (PER TIME)
  - . FLUX (RATE)
  - . . . **HEAT FLUX**
- RT FLUX DENSITY
- SOLAR FLUX

### HEAT GAIN

- USE HEATING

### HEAT GENERATION

- SN (EXCLUDES BIOLOGICAL PRODUCTION OF HEAT)
- RT COGENERATION
- COMBUSTION
- DIRECT POWER GENERATORS
- ∞ GENERATION
- HEATING
- HEATING EQUIPMENT
- PROCESS HEAT
- SOLID PROPELLANT COMBUSTION

### HEAT ISLANDS

- RT CITIES
- CLIMATOLOGY
- URBAN PLANNING
- WEATHER MODIFICATION

### HEAT MEASUREMENT

- UF CALORIMETRY
- RT BOLOMETERS
- BOMB CALORIMETERS
- CALORIMETERS
- DROP CALORIMETERS
- ENTHALPY
- FLAME CALORIMETERS
- ∞ MEASUREMENT
- SHELL ANODES

### HEAT OF COMBUSTION

- UF COMBUSTION HEAT
- GS CHEMICAL PROPERTIES
  - . THERMOCHEMICAL PROPERTIES
  - . . . **HEAT OF COMBUSTION**
- HEAT
- . . . **HEAT OF COMBUSTION**
- THERMODYNAMIC PROPERTIES
- THERMOCHEMICAL PROPERTIES
- . . . **HEAT OF COMBUSTION**
- RT COMBUSTION PHYSICS
- GUNS (ORDNANCE)

### HEAT OF DISSOCIATION

- GS CHEMICAL PROPERTIES
  - . THERMOCHEMICAL PROPERTIES
  - . . . **HEAT OF DISSOCIATION**
- HEAT
- . ENTHALPY
- . . . **HEAT OF DISSOCIATION**
- THERMODYNAMIC PROPERTIES
- . ENTHALPY
- . . . **HEAT OF DISSOCIATION**
- THERMOCHEMICAL PROPERTIES
- . . . **HEAT OF DISSOCIATION**
- RT CHEMICAL EQUILIBRIUM
- DISSOCIATION
- ∞ EQUILIBRIUM
- REACTION KINETICS
- THERMAL DISSOCIATION
- THERMOCHEMISTRY
- THERMODYNAMIC EQUILIBRIUM

### HEAT OF FORMATION

- UF FORMATION HEAT
- GS CHEMICAL PROPERTIES
  - . THERMOCHEMICAL PROPERTIES
  - . . . **HEAT OF FORMATION**
- HEAT
- . ENTHALPY
- . . . **HEAT OF FORMATION**
- THERMODYNAMIC PROPERTIES
- . ENTHALPY
- . . . **HEAT OF FORMATION**
- THERMOCHEMICAL PROPERTIES
- . . . **HEAT OF FORMATION**

### HEAT OF FUSION

- UF LATENT HEAT OF FUSION
- GS CHEMICAL PROPERTIES
  - . THERMOCHEMICAL PROPERTIES
  - . . . LATENT HEAT
  - . . . . **HEAT OF FUSION**
- HEAT
- . ENTHALPY
- . . . LATENT HEAT

### HEAT OF FUSION-(CONT.)

- . . . **HEAT OF FUSION**
- THERMODYNAMIC PROPERTIES
- . ENTHALPY
- . . . LATENT HEAT
- . . . **HEAT OF FUSION**
- THERMOCHEMICAL PROPERTIES
- . . . LATENT HEAT
- . . . **HEAT OF FUSION**
- THERMOPHYSICAL PROPERTIES
- . . . LATENT HEAT
- . . . **HEAT OF FUSION**
- RT FUSION (MELTING)
- MELTING
- PHASE CHANGE MATERIALS
- PHASE DIAGRAMS
- PHASE TRANSFORMATIONS
- SPECIFIC HEAT
- THERMAL ENERGY
- THERMOCHEMISTRY
- THERMODYNAMICS
- TRANSITION TEMPERATURE

### HEAT OF SOLUTION

- GS CHEMICAL PROPERTIES
- . THERMOCHEMICAL PROPERTIES
- . . . **HEAT OF SOLUTION**
- HEAT
- . ENTHALPY
- . . . **HEAT OF SOLUTION**
- THERMODYNAMIC PROPERTIES
- . ENTHALPY
- . . . **HEAT OF SOLUTION**
- THERMOCHEMICAL PROPERTIES
- . . . **HEAT OF SOLUTION**
- THERMOPHYSICAL PROPERTIES
- . . . **HEAT OF SOLUTION**
- RT MOLECULAR ENERGY LEVELS
- THERMAL ENERGY
- THERMOCHEMISTRY
- THERMODYNAMICS

### HEAT OF VAPORIZATION

- UF VAPORIZATION HEAT
- GS CHEMICAL PROPERTIES
  - . THERMOCHEMICAL PROPERTIES
  - . . . LATENT HEAT
  - . . . **HEAT OF VAPORIZATION**
- HEAT
- . ENTHALPY
- . . . LATENT HEAT
- . . . **HEAT OF VAPORIZATION**
- THERMODYNAMIC PROPERTIES
- . ENTHALPY
- . . . LATENT HEAT
- . . . **HEAT OF VAPORIZATION**
- THERMOCHEMICAL PROPERTIES
- . . . LATENT HEAT
- . . . **HEAT OF VAPORIZATION**
- THERMOPHYSICAL PROPERTIES
- . . . LATENT HEAT
- . . . **HEAT OF VAPORIZATION**
- RT VAPORIZING

### HEAT PIPES

- SN (EXCLUDES PIPES AND TUBES USED FOR THE TRANSMISSION OF HEATED LIQUIDS OR GASES)
- RT GEOTHERMAL ENERGY UTILIZATION
- SPACECRAFT TEMPERATURE

### HEAT PUMPS

- RT AIR CONDITIONING
- AIR CONDITIONING EQUIPMENT
- CONDENSERS (LIQUEFIERS)
- COOLING SYSTEMS
- GEOTHERMAL ENERGY EXTRACTION
- HEATING EQUIPMENT
- PUMPS
- REFRIGERATING MACHINERY
- RESIDENTIAL ENERGY
- SPACE COOLING (BUILDINGS)
- THERMOELECTRIC COOLING
- WASTE HEAT

### HEAT RADIATORS

- UF CONDENSER RADIATORS
- HEAT REJECTION DEVICES
- GS **HEAT RADIATORS**
- . SPACECRAFT RADIATORS
- RT BLACK BODY RADIATION
- COOLING
- COOLING FINS
- COOLING SYSTEMS
- HEATING EQUIPMENT

### HEAT RADIATORS-(CONT.)

- ∞ INSULATED STRUCTURES
- RADIATIVE HEAT TRANSFER
- ∞ RADIATORS
- STEFAN-BOLTZMANN LAW

### HEAT REGULATION

- USE TEMPERATURE CONTROL

### HEAT REJECTION DEVICES

- USE HEAT RADIATORS

### HEAT RESISTANCE

- USE THERMAL RESISTANCE

### HEAT RESISTANT ALLOYS

- UF HIGH TEMPERATURE ALLOYS
- SUPERALLOYS
- GS ALLOYS
- . **HEAT RESISTANT ALLOYS**
- . . . NIMONIC ALLOYS
- . . . REFRACTORY METAL ALLOYS
- . . . MOLYBDENUM ALLOYS
- . . . . RENE 41
- . . . . RENE 63
- . . . . RENE 77
- . . . NIOBIUM ALLOYS
- . . . OSMIUM ALLOYS
- . . . RHENIUM ALLOYS
- . . . TANTALUM ALLOYS
- . . . TUNGSTEN ALLOYS
- . . . UDIMET ALLOYS
- . . . WASPALOY
- RT ALUMINIDES
- CERMETS
- CHROMIUM ALLOYS
- COBALT ALLOYS
- HAFNIUM ALLOYS
- NICKEL ALLOYS
- REFRACTORY METALS
- SULFIDATION
- SUPERPLASTICITY

### HEAT SHIELDING

- UF THERMAL SHIELDING
- GS SHIELDING
- . **HEAT SHIELDING**
- . . . REENTRY SHIELDING
- . . . REUSABLE HEAT SHIELDING
- RT ABLATION
- ABLATIVE MATERIALS
- ABLATIVE NOSE CONES
- COOLING
- INFRARED SUPPRESSION
- ∞ INSULATED STRUCTURES
- LUDOX (TRADEMARK)
- PYROLYTIC GRAPHITE
- SOLAR REFLECTORS
- SPACECRAFT SHIELDING
- TEMPERATURE
- TEMPERATURE CONTROL
- THERMAL CONTROL COATINGS
- THERMAL INSULATION
- THERMAL PROTECTION

### HEAT SINKS

- UF THERMAL SINKS
- GS SINKS
- . **HEAT SINKS**
- RT ABLATIVE MATERIALS
- ABSORBERS (MATERIALS)
- COOLING SYSTEMS
- ENDOTHERMIC REACTIONS
- ENERGY ABSORPTION
- REENTRY SHIELDING
- REGENERATORS
- THERMAL ABSORPTION
- THERMAL INSULATION

### HEAT SOURCES

- UF HYDRAULIC HEATING SOURCES
- GS **HEAT SOURCES**
- . THERMAL RESOURCES
- . . . GEOTHERMAL RESOURCES
- . . . GEYSERS
- RT ∞ ENERGY SOURCES
- ENERGY STORAGE
- ENGINES
- GEOTHERMAL TECHNOLOGY
- LASER HEATING
- LIGHT SOURCES
- ∞ POWER SUPPLIES
- RADIATION SOURCES
- THERMODYNAMIC EFFICIENCY

**HEAT STORAGE**

UF THERMAL ENERGY STORAGE  
 GS ENERGY STORAGE  
 . **HEAT STORAGE**  
 RT GEOTHERMAL ENERGY UTILIZATION  
 HEAT TAPES  
 PHASE CHANGE MATERIALS  
 SOLAR DYNAMIC POWER SYSTEMS  
 SOLAR HOUSES  
 TEMPERATURE  
 TROMBE WALLS

**HEAT STROKE**

RT BODY TEMPERATURE  
 HEAT TOLERANCE  
 HOT WEATHER  
 HYPERTHERMIA  
 PHYSIOLOGICAL EFFECTS  
 THERMAL COMFORT  
 THERMAL ENVIRONMENTS

**HEAT TAPES**

RT HEAT STORAGE  
 ICE PREVENTION  
 ∞ TAPES

**HEAT TESTS**

USE HIGH TEMPERATURE TESTS

**HEAT TOLERANCE**

GS TOLERANCES (PHYSIOLOGY)  
 . **HEAT TOLERANCE**  
 RT BODY TEMPERATURE  
 COLD TOLERANCE  
 HEAT STROKE  
 HUMAN TOLERANCES

**HEAT TRANSFER**

SN (TRANSMISSION ACROSS AN INTERFACE)  
 UF NONADIABATIC PROCESSES  
 GS TRANSMISSION  
 . HEAT TRANSMISSION  
 . **HEAT TRANSFER**  
 . . . AERODYNAMIC HEAT TRANSFER  
 . . . . . HYPERSONIC HEAT TRANSFER  
 . . . . . SUPERSONIC HEAT TRANSFER  
 . . . CONDUCTIVE HEAT TRANSFER  
 . . . CONVECTIVE HEAT TRANSFER  
 . . . LAMINAR HEAT TRANSFER  
 . . . RADIATIVE HEAT TRANSFER  
 . . . TURBULENT HEAT TRANSFER  
 RT ADVECTION  
 ATMOSPHERIC HEAT BUDGET  
 BATHS  
 BIOT NUMBER  
 BOILING  
 BOUSSINESQ APPROXIMATION  
 CHEMICAL ENGINEERING  
 COMPRESSIBILITY EFFECTS  
 ∞ CONDUCTION  
 COOLING  
 COUNTERFLOW  
 CRYOGENIC COOLING  
 DIFFUSE RADIATION  
 DIMENSIONLESS NUMBERS  
 ENERGY TRANSFER  
 FILM BOILING  
 FILM CONDENSATION  
 FLAT PLATES  
 FLUID BOUNDARIES  
 FORCED CONVECTION  
 GAS TRANSPORT  
 GAS-LIQUID INTERACTIONS  
 GAS-SOLID INTERFACES  
 GEOTHERMAL ENERGY CONVERSION  
 GEOTHERMAL TECHNOLOGY  
 HEATING  
 HOT SURFACES  
 LEIDENFROST PHENOMENON  
 LEWIS NUMBERS  
 LIQUID-LIQUID INTERFACES  
 LIQUID-SOLID INTERFACES  
 LIQUID-VAPOR INTERFACES  
 MASS TRANSFER  
 MECHANICAL ENGINEERING  
 METAL VAPORS  
 NONADIABATIC CONDITIONS  
 NONGRAY GAS  
 NONISOTHERMAL PROCESSES  
 NUCLEATE BOILING  
 NUSSELT NUMBER  
 PECLET NUMBER  
 PHASE CHANGE MATERIALS  
 PRANDTL NUMBER

**HEAT TRANSFER-(CONT.)**

RADIATIVE TRANSFER  
 RAYLEIGH EQUATIONS  
 REUSABLE HEAT SHIELDING  
 STAGNATION POINT  
 STANTON NUMBER  
 TEMPERATURE PROFILES  
 TEMPERATURE RATIO  
 THERMAL DIFFUSION  
 THERMAL EXPANSION  
 THERMAL INSULATION  
 THERMAL POLLUTION  
 THERMODYNAMICS  
 THERMOMIGRATION  
 TRANSFERRING  
 TRANSPORT PROPERTIES  
 WASTE ENERGY UTILIZATION

**HEAT TRANSFER COEFFICIENTS**

SN (HEAT FLUX PER UNIT AREA PER UNIT TEMPERATURE DIFFERENCE)  
 GS COEFFICIENTS  
 . **HEAT TRANSFER COEFFICIENTS**  
 RT ACCOMMODATION COEFFICIENT  
 EVAPORATION RATE  
 HEATING  
 MASS FLOW FACTORS  
 NUCLEATE BOILING

**HEAT TRANSMISSION**

UF HEAT FLOW  
 GS TRANSMISSION  
 . **HEAT TRANSMISSION**  
 . . . HEAT TRANSFER  
 . . . . . AERODYNAMIC HEAT TRANSFER  
 . . . . . HYPERSONIC HEAT TRANSFER  
 . . . . . SUPERSONIC HEAT TRANSFER  
 . . . CONDUCTIVE HEAT TRANSFER  
 . . . CONVECTIVE HEAT TRANSFER  
 . . . LAMINAR HEAT TRANSFER  
 . . . RADIATIVE HEAT TRANSFER  
 . . . TURBULENT HEAT TRANSFER  
 RT ADIABATIC EQUATIONS  
 ANNULAR FLOW  
 CONVECTION  
 CONVECTIVE FLOW  
 DUCTED FLOW  
 EQUILIBRIUM FLOW  
 ∞ FLOW  
 FLUID FLOW  
 GEOPHYSICS  
 GEOTHERMAL ENERGY CONVERSION  
 GEOTHERMAL ENERGY EXTRACTION  
 GEOTHERMAL RESOURCES  
 MASS FLOW FACTORS  
 NONEQUILIBRIUM FLOW  
 POTENTIAL FLOW  
 RADIAL FLOW  
 RADIATIVE TRANSFER  
 STEADY FLOW  
 THERMAL ANALYSIS  
 THERMAL INSULATION  
 THERMOHYDRAULICS  
 UNIFORM FLOW  
 UNSTEADY FLOW  
 WALL FLOW

**HEAT TREATMENT**

GS **HEAT TREATMENT**  
 . ANNEALING  
 . . LASER ANNEALING  
 . . PULSE HEATING  
 . . MARAGING  
 . . NITRIDING  
 . . NORMALIZING (HEAT TREATMENT)  
 . . STRESS RELIEVING  
 . . TEMPERING  
 RT AGING (METALLURGY)  
 ALLOYS  
 BAKING  
 CRITICAL TEMPERATURE  
 FERRITIC STAINLESS STEELS  
 FORGING  
 FURNACES  
 GRAPHITIZATION  
 HARDENERS  
 HARDENING (MATERIALS)  
 HEAT AFFECTED ZONE  
 HEATING  
 MARTENSITE  
 ∞ METALLURGY  
 MICROSTRUCTURE  
 NUCLEATION  
 PHASE DIAGRAMS  
 PRECIPITATION HARDENING

**HEAT TREATMENT-(CONT.)**

QUENCHING (COOLING)  
 RECRYSTALLIZATION  
 SALT BATHS  
 ∞ SOAKING  
 STABILIZATION  
 SUPERCOOLING  
 SUPERSATURATION  
 TEMPER (METALLURGY)  
 TEMPERATURE DISTRIBUTION  
 THERMOCHEMISTRY  
 THERMOMECHANICAL TREATMENT  
 ∞ TREATMENT

**∞ HEATERS**

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)  
 RT DEICERS  
 DEICING  
 ELECTRON TUBES  
 HEATING EQUIPMENT  
 VAPORIZERS  
 WATER HEATING

**HEATING**

UF HEAT GAIN  
 PREHEATING  
 REHEATING  
 WARMING  
 GS **HEATING**  
 . ARC HEATING  
 . ATMOSPHERIC HEATING  
 . BAKING  
 . BASE HEATING  
 . GAS HEATING  
 . INDUCTION HEATING  
 . IONOSPHERIC HEATING  
 . KINETIC HEATING  
 . . . AERODYNAMIC HEATING  
 . . . SHOCK HEATING  
 . LASER HEATING  
 . MAGNETOHYDRODYNAMIC SHEAR HEATING  
 . PASTEURIZING  
 . PLASMA HEATING  
 . . . ELECTRON CYCLOTRON HEATING  
 . RADIANT HEATING  
 . RADIO FREQUENCY HEATING  
 . RESISTANCE HEATING  
 . SOLAR HEATING  
 . SPACE HEATING (BUILDINGS)  
 . SUPERHEATING  
 . TRANSIENT HEATING  
 . . PULSE HEATING  
 . . SHOCK HEATING  
 . WATER HEATING  
 RT AIR CONDITIONING  
 ANNEALING  
 AUTOCLAVING  
 BOILING  
 CEMENTATION  
 ∞ CONDUCTION  
 CONVECTION  
 COOLING  
 DECARBURIZATION  
 DEFROSTING  
 ENVIRONMENTAL ENGINEERING  
 GEOTHERMAL ENERGY EXTRACTION  
 GEOTHERMAL ENERGY UTILIZATION  
 HEAT EXCHANGERS  
 HEAT GENERATION  
 HEAT TRANSFER  
 HEAT TRANSFER COEFFICIENTS  
 HEAT TREATMENT  
 HEATING EQUIPMENT  
 HILSCH TUBES  
 HYDROTHERMAL SYSTEMS  
 ICE PREVENTION  
 INTEGRATED ENERGY SYSTEMS  
 JACKETS  
 LASER ANNEALING  
 LASER WELDING  
 MELTING  
 MODULAR INTEGRATED UTILITY SYSTEM  
 ∞ RADIATION  
 ROASTING  
 SINTERING  
 ∞ SOAKING  
 TEMPERATURE  
 TEMPERATURE CONTROL  
 TEMPERATURE DISTRIBUTION  
 THERMAL CYCLING TESTS  
 THERMAL SHOCK  
 THERMAL STRESSES

## HEATING EQUIPMENT

### HEATING-(CONT.)

VAPORIZING  
WASTE ENERGY UTILIZATION

### HEATING EQUIPMENT

UF GERDIEN ARC HEATERS  
PREHEATERS  
GS **HEATING EQUIPMENT**  
. BOILERS  
. FURNACES  
. . . ELECTRIC FURNACES  
. . . IMAGE FURNACES  
. . . SOLAR FURNACES  
. . . VACUUM FURNACES  
. OVENS  
. VAPORIZERS  
. . . EVAPORATORS  
RT AIR CONDITIONING  
AIR CONDITIONING EQUIPMENT  
CRUCIBLES  
DEICERS  
DEICING  
∞ ELECTRIC EQUIPMENT  
∞ EQUIPMENT  
FUEL TANKS  
HEAT EXCHANGERS  
HEAT GENERATION  
HEAT PUMPS  
HEAT RADIATORS  
∞ HEATERS  
HEATING  
ONBOARD EQUIPMENT  
SPACE HEATING (BUILDINGS)  
TEMPERATURE CONTROL  
THERMAL INSULATION  
WATER HEATING

### HEAVING

RT BENDING  
∞ BOWS  
BUCKLING  
DISPLACEMENT  
DISTORTION  
FLEXING  
∞ MOTION  
PITCH (INCLINATION)  
WARPAGE

### HEAVY COSMIC RAY PRIMARIES

USE HEAVY NUCLEI  
PRIMARY COSMIC RAYS

### HEAVY ELEMENTS

GS CHEMICAL ELEMENTS  
. **HEAVY ELEMENTS**  
RT ∞ ELEMENTS  
HEAVY IONS

### HEAVY IONS

GS IONS  
. **HEAVY IONS**  
RT HEAVY ELEMENTS  
ION STRIPPING  
ISOTOPE SEPARATION  
ISOTOPES  
LIGHT IONS

### HEAVY LIFT AIRSHIPS

GS AIRSHIPS  
. **HEAVY LIFT AIRSHIPS**  
RT MATERIALS HANDLING  
ROTORS

### HEAVY LIFT HELICOPTERS

GS V/STOL AIRCRAFT  
. ROTARY WING AIRCRAFT  
. . . HELICOPTERS  
. . . . MILITARY HELICOPTERS  
. . . . **HEAVY LIFT HELICOPTERS**  
. . . . . CH-62 HELICOPTER  
RT AIR CARGO  
∞ AIRCRAFT  
CARGO AIRCRAFT  
HELICOPTER DESIGN

### HEAVY LIFT LAUNCH VEHICLES

UF HLLV  
GS LAUNCH VEHICLES  
. **HEAVY LIFT LAUNCH VEHICLES**  
RT ROCKET ENGINES  
∞ ROCKETS  
SPACECRAFT LAUNCHING  
∞ VEHICLES

### HEAVY NUCLEI

UF HEAVY COSMIC RAY PRIMARIES  
GS PARTICLES  
. CHARGED PARTICLES  
. . . ENERGETIC PARTICLES  
. . . . NUCLEI (NUCLEAR PHYSICS)  
. . . . **HEAVY NUCLEI**  
RT PRIMARY COSMIC RAYS

### HEAVY WATER

UF DEUTERIUM OXIDES  
HYDROGEN DEUTERIUM OXIDE  
GS CHALCOGENIDES  
. OXIDES  
. . . **HEAVY WATER**  
HYDROGEN COMPOUNDS  
. DEUTERIUM COMPOUNDS  
. . . **HEAVY WATER**  
WATER  
. **HEAVY WATER**  
RT DEUTERIUM  
MODERATORS  
TRITIUM

### HEAVY WATER COMPONENTS TEST REACTORS

GS NUCLEAR REACTORS  
. LIQUID COOLED REACTORS  
. . . WATER COOLED REACTORS  
. . . . HEAVY WATER REACTORS  
. . . . **HEAVY WATER COMPONENTS**  
TEST REACTORS  
. NUCLEAR RESEARCH AND TEST  
REACTORS  
. . . **HEAVY WATER COMPONENTS TEST**  
REACTORS  
. WATER MODERATED REACTORS  
. . . **HEAVY WATER COMPONENTS TEST**  
REACTORS

### HEAVY WATER REACTORS

GS NUCLEAR REACTORS  
. LIQUID COOLED REACTORS  
. . . WATER COOLED REACTORS  
. . . . **HEAVY WATER REACTORS**  
. . . . HEAVY WATER COMPONENTS  
TEST REACTORS  
. . . . PLUTONIUM RECYCLE TEST  
REACTOR  
. . . . ZERO POWER REACTOR 2  
RT LIGHT WATER BREEDER REACTORS

### HEF (HIGH ENERGY FUELS)

USE HIGH ENERGY FUELS

### HEIGHT

GS DIMENSIONS  
. **HEIGHT**  
. . . SCALE HEIGHT  
RT ALTITUDE  
DEPTH  
DISTANCE  
GEOPOTENTIAL  
∞ LEVEL  
SLOPES

### HEINKEL AIRCRAFT

RT ∞ AIRCRAFT

### HEISENBERG THEORY

GS ATOMIC THEORY  
. **HEISENBERG THEORY**  
RT ATOMIC EXCITATIONS  
DYSON THEORY  
ENERGY TRANSFER  
∞ THEORIES

### HELICAL ANTENNAS

GS ANTENNAS  
. DIRECTIONAL ANTENNAS  
. . . **HELICAL ANTENNAS**  
RT ANTENNA DESIGN  
∞ HELICES  
MICROWAVE ANTENNAS

### HELICAL FLOW

GS FLUID FLOW  
. **HELICAL FLOW**  
RT AXISYMMETRIC FLOW  
FLOW GEOMETRY  
∞ HELICES  
MAGNETOHYDRODYNAMIC STABILITY  
THREE DIMENSIONAL FLOW

### HELICAL INDUCERS

GS INTAKE SYSTEMS  
. **HELICAL INDUCERS**  
RT FIELD COILS  
∞ HELICES  
PLASMA CONTROL

### HELICAL WINDINGS

GS WINDING  
. **HELICAL WINDINGS**  
RT ∞ HELICES  
MAGNETIC FIELD CONFIGURATIONS  
PLASMA CONTROL  
STELLARATORS

### ∞ HELICES

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED-CONSULT THE TERMS  
LISTED BELOW)*  
RT CURVES (GEOMETRY)  
HELICAL ANTENNAS  
HELICAL FLOW  
HELICAL INDUCERS  
HELICAL WINDINGS  
∞ SPIRALS

### HELICOPTER ATTITUDE INDICATORS

USE ATTITUDE INDICATORS  
HELICOPTERS

### HELICOPTER CONTROL

GS AIRCRAFT CONTROL  
. **HELICOPTER CONTROL**  
RT AIRBORNE RADAR APPROACH  
ATTITUDE CONTROL  
AUTOMATIC CONTROL  
∞ CONTROL  
CONTROLLABILITY  
DIRECTIONAL CONTROL  
FLIGHT CONTROL  
HARMONIC CONTROL  
LATERAL CONTROL  
LONGITUDINAL CONTROL  
MANUAL CONTROL  
SPEED CONTROL  
TAIL ROTORS

### HELICOPTER DESIGN

GS AIRCRAFT DESIGN  
. **HELICOPTER DESIGN**  
RT COMPOUND HELICOPTERS  
COMPUTER AIDED DESIGN  
∞ DESIGN  
ENGINE DESIGN  
HEAVY LIFT HELICOPTERS  
PRODUCT DEVELOPMENT  
ROTOR BODY INTERACTIONS  
STREAMLINING  
STRUCTURAL DESIGN  
UH-60A HELICOPTER  
UH-61A HELICOPTER  
WHIRL TOWERS

### HELICOPTER ENGINES

GS AIRCRAFT ENGINES  
. **HELICOPTER ENGINES**  
ENGINES  
. . . INTERNAL COMBUSTION ENGINES  
. . . **HELICOPTER ENGINES**  
RT CONVERTIBLE FAN-SHAFT ENGINES  
JET ENGINES  
T-53 ENGINE  
T-55 ENGINE  
T-58 ENGINE  
T-58-GE-8B ENGINE  
T-63 ENGINE  
T-64 ENGINE  
T-74 ENGINE  
T-76 ENGINE

### HELICOPTER IMPULSIVE NOISE

USE BLADE SLAP NOISE

### HELICOPTER PERFORMANCE

GS AIRCRAFT PERFORMANCE  
. **HELICOPTER PERFORMANCE**  
RT AERODYNAMIC STABILITY  
AIRCRAFT RELIABILITY  
CONTROLLABILITY  
FLIGHT CHARACTERISTICS  
FLIGHT ENVELOPES  
MANEUVERABILITY

# HELICOPTER PROPELLER DRIVE

- GS MECHANICAL DRIVES
  - PROPELLER DRIVE
- RT JET PROPULSION
  - ROTARY WINGS
  - TILTED PROPELLERS
  - VARIABLE PITCH PROPELLERS

# HELICOPTER ROTORS

- USE ROTARY WINGS

# HELICOPTER TAIL ROTORS

- GS ROTATING BODIES
  - ROTORS
  - TAIL ROTORS
- RT ROTARY WINGS
  - ROTOR BLADES

# HELICOPTER WAKES

- GS WAKES
  - AIRCRAFT WAKES
- RT DOWNWASH

# HELICOPTERS

- UF DRONE HELICOPTERS
  - GYROPLANES
- GS V/STOL AIRCRAFT
  - ROTARY WING AIRCRAFT
  - HELICOPTERS
    - ALOUETTE HELICOPTERS
      - SA-330 HELICOPTER
      - SE-3160 HELICOPTER
      - BELL 214A HELICOPTER
      - BO-105 HELICOPTER
      - CH-21 HELICOPTER
      - COMPOUND HELICOPTERS
      - H-17 HELICOPTER
      - H-54 HELICOPTER
      - HC-3 HELICOPTER
      - MILITARY HELICOPTERS
        - AH-1G HELICOPTER
        - AH-64 HELICOPTER
        - CH-3 HELICOPTER
        - CH-34 HELICOPTER
        - CH-46 HELICOPTER
        - CH-47 HELICOPTER
        - CH-54 HELICOPTER
        - H-19 HELICOPTER
        - H-43 HELICOPTER
        - H-53 HELICOPTER
        - H-56 HELICOPTER
        - H-60 HELICOPTER
        - HEAVY LIFT HELICOPTERS
          - CH-62 HELICOPTER
          - HH-43 HELICOPTER
          - OH-4 HELICOPTER
          - OH-5 HELICOPTER
          - OH-6 HELICOPTER
          - OH-13 HELICOPTER
          - OH-23 HELICOPTER
          - OH-58 HELICOPTER
          - QH-50 HELICOPTER
          - S-58 HELICOPTER
          - S-61 HELICOPTER
          - SA-330 HELICOPTER
          - UH-1 HELICOPTER
          - UH-2 HELICOPTER
          - UH-34 HELICOPTER
          - UH-60A HELICOPTER
          - UH-61A HELICOPTER
          - P-531 HELICOPTER
        - RIGID ROTOR HELICOPTERS
          - CH-3 HELICOPTER
          - F-28 HELICOPTER
          - XH-51 HELICOPTER
          - SA-321 HELICOPTER
          - SH-3 HELICOPTER
          - SH-4 HELICOPTER
          - SIKORSKY WHIRLWIND HELICOPTER
          - TANDEM ROTOR HELICOPTERS
            - CH-46 HELICOPTER
            - CH-47 HELICOPTER
            - H-25 HELICOPTER
            - TH-55 HELICOPTER
          - WESTLAND WHIRLWIND HELICOPTER
          - XV-9A AIRCRAFT
  - RT AIRBORNE RADAR APPROACH
    - AIRCRAFT
    - AIRCRAFT SURVIVABILITY
    - BLADE SLAP NOISE

# HELICOPTERS-(CONT.)

- BLADE-VORTEX INTERACTION
- GENERAL AVIATION AIRCRAFT
- GROUND RESONANCE
- HELIPORTS
- MILITARY AIRCRAFT
- NAP-OF-THE-EARTH NAVIGATION
- RECOVERY VEHICLES
- ROTOR SYSTEMS RESEARCH AIRCRAFT
- SHORT TAKEOFF AIRCRAFT
- SUBSONIC AIRCRAFT
- TILT ROTOR AIRCRAFT
- TILT ROTOR RESEARCH AIRCRAFT PROGRAM
- UTILITY AIRCRAFT
- VERTICAL TAKEOFF AIRCRAFT
- WESER AIRCRAFT
- WESTLAND AIRCRAFT
- XV-15 AIRCRAFT

# HELIO AIRCRAFT

- UF HELIO MILITARY AIRCRAFT
- GS HELIO AIRCRAFT
  - U-10 AIRCRAFT
- RT AIRCRAFT

# HELIO MILITARY AIRCRAFT

- USE HELIO AIRCRAFT

# HELIOCENTRIC ORBITS

- USE SOLAR ORBITS

# HELIOGRAPHS

- USE SPECTROHELIOGRAPHS

# HELIOGRAPHY

- USE SPECTROHELIOGRAPHS

# HELIOMAGNETISM

- USE SOLAR MAGNETIC FIELD

# HELIOMETERS

- UF HELIOMETRY
- GS MEASURING INSTRUMENTS
  - HELIOMETERS
    - PYROHELIOMETERS
  - OPTICAL EQUIPMENT
    - HELIOMETERS
      - PYROHELIOMETERS
    - TELESCOPES
      - HELIOMETERS
        - PYROHELIOMETERS

# HELIOMETRY

- USE HELIOMETERS
- PYROHELIOMETERS

# HELIOS A

- GS ARTIFICIAL SATELLITES
  - HELIOS SATELLITES
    - HELIOS A
      - UNMANNED SPACECRAFT
      - SPACE PROBES
      - SOLAR PROBES

# HELIOS B

- GS ARTIFICIAL SATELLITES
  - HELIOS SATELLITES
    - HELIOS B
      - UNMANNED SPACECRAFT
      - SPACE PROBES
      - SOLAR PROBES

# HELIOS PROJECT

- GS PROGRAMS
  - NASA PROGRAMS
  - NASA SPACE PROGRAMS
  - HELIOS PROJECT
    - PROJECTS
      - HELIOS PROJECT
        - SPACE PROGRAMS
        - NASA SPACE PROGRAMS
      - HELIOS PROJECT
        - CHARGED PARTICLES
        - HIGH TEMPERATURE PLASMAS
        - SOLAR PROBES
        - ZODIACAL LIGHT
- RT

# HELIOS SATELLITES

- GS ARTIFICIAL SATELLITES
  - HELIOS SATELLITES
    - HELIOS A

# HELIOS SATELLITES-(CONT.)

- HELIOS B
- HELIOS 1
- HELIOS 2
- RT MAGNETIC FIELDS
- PARTICLE FLUX DENSITY
- SOLAR FLUX DENSITY

# HELIOS 1

- GS ARTIFICIAL SATELLITES
  - HELIOS SATELLITES
    - HELIOS 1
      - UNMANNED SPACECRAFT
      - SPACE PROBES
      - SOLAR PROBES

# HELIOS 2

- GS ARTIFICIAL SATELLITES
  - HELIOS SATELLITES
    - HELIOS 2
      - UNMANNED SPACECRAFT
      - SPACE PROBES
      - SOLAR PROBES

# HELIOSEISMOLOGY

- UF SOLAR DYNAMICS
- GS SOLAR SEISMOLOGY
- SEISMOLOGY
  - HELIOSEISMOLOGY
- RT ASTROPHYSICS
  - SCIENCE
  - SOLAR INTERIOR
  - SOLAR PHYSICS

# HELIOSPHERE

- RT COSMIC RAYS
- INTERPLANETARY SPACE
- INTERSTELLAR GAS
- SOLAR ACTIVITY EFFECTS
- SOLAR WIND

# HELIOSTATS

- RT INSTRUMENTS
  - MIRRORS
  - REFLECTORS
  - SERVO MOTORS
  - SOLAR REFLECTORS
  - SYNCHRONIZERS

# HELIPORTS

- GS AIRPORTS
- RT HELIPORTS
  - AIR TRAFFIC CONTROL
  - AIRPORT PLANNING
  - AIRPORT TOWERS
  - HANGARS
  - HELICOPTERS
  - LANDING AIDS
  - LANDING SITES
  - MILITARY AIR FACILITIES
  - NAVIGATION AIDS
  - SOLAR COMPASSES
  - V/STOL AIRCRAFT

# HELITRONS

- GS ELECTRON TUBES
  - VACUUM TUBES
  - MICROWAVE TUBES
  - TRAVELING WAVE TUBES
  - BACKWARD WAVE TUBES
- HELIOTRONS
  - MICROWAVE EQUIPMENT
  - MICROWAVE TUBES
  - TRAVELING WAVE TUBES
  - BACKWARD WAVE TUBES
- RT CARCINOTRONS

# HELIUM

- GS CHEMICAL ELEMENTS
  - RARE GASES
  - HELIUM
    - HELIUM ISOTOPES
    - LIQUID HELIUM
    - LIQUID HELIUM 2
  - GASES
    - RARE GASES
    - HELIUM
      - HELIUM ISOTOPES
      - LIQUID HELIUM
      - LIQUID HELIUM 2
- RT ALPHA PARTICLES
- HELIUM AFTERGLOW

## HELIUM AFTERGLOW

### HELIUM-(CONT.)

HELIUM ATOMS  
HELIUM FILM  
HELIUM IONS  
WOLF-RAYET STARS

### HELIUM AFTERGLOW

GS AFTERGLOWS  
. **HELIUM AFTERGLOW**  
RT GAS IONIZATION  
PLASMA DECAY

### HELIUM ATOMS

GS ATOMS  
. **HELIUM ATOMS**  
RT HELIUM

### HELIUM COMPOUNDS

RT  $\infty$  RARE GAS COMPOUNDS

### HELIUM FILM

RT  $\infty$  FILMS  
HELIUM

### HELIUM HYDROGEN ATMOSPHERES

GS ENVIRONMENTS  
. EXTRATERRESTRIAL ENVIRONMENTS  
. . . PLANETARY ENVIRONMENTS  
. . . . PLANETARY ATMOSPHERES  
. . . . **HELIUM HYDROGEN  
ATMOSPHERES**

### HELIUM IONS

GS IONS  
. **HELIUM IONS**  
RT ALPHA PARTICLES  
HELIUM

### HELIUM ISOTOPES

UF HELIUM 2  
HELIUM 3  
HELIUM 4  
GS CHEMICAL ELEMENTS  
. NUCLIDES  
. . ISOTOPES  
. . . **HELIUM ISOTOPES**  
. . . RARE GASES  
. . . HELIUM  
. . . . **HELIUM ISOTOPES**  
GASES  
. RARE GASES  
. . HELIUM  
. . . **HELIUM ISOTOPES**

### HELIUM PLASMA

GS PARTICLES  
. CHARGED PARTICLES  
. . . . . ENERGETIC PARTICLES  
. . . . . PLASMAS (PHYSICS)  
. . . . . **HELIUM PLASMA**  
RT ARGON PLASMA  
ELECTRON PLASMA  
HYDROGEN PLASMA  
OXYGEN PLASMA

### HELIUM STARS

USE B STARS

### HELIUM 2

USE HELIUM ISOTOPES  
LIQUID HELIUM

### HELIUM 3

USE HELIUM ISOTOPES

### HELIUM 4

USE HELIUM ISOTOPES

### HELIUM-NEON LASERS

GS STIMULATED EMISSION DEVICES  
. LASERS  
. . GAS LASERS  
. . . **HELIUM-NEON LASERS**  
RT LASER MODES  
LASER OUTPUTS

### HELIUM-OXYGEN ATMOSPHERES

GS CONTROLLED ATMOSPHERES  
. **HELIUM-OXYGEN ATMOSPHERES**  
RT AEROSPACE ENVIRONMENTS  
 $\infty$  ATMOSPHERES  
 $\infty$  BREATHING  
GAS MIXTURES  
PORTABLE LIFE SUPPORT SYSTEMS

### HELIUM-OXYGEN ATMOSPHERES-(CONT.)

UNDERWATER BREATHING APPARATUS

### HELIX TUBES

USE TRAVELING WAVE TUBES

### HELLMANN-FEYNMAN THEOREM

GS THEOREMS  
. **HELLMANN-FEYNMAN THEOREM**

### HELMET MOUNTED DISPLAYS

GS DISPLAY DEVICES  
. **HELMET MOUNTED DISPLAYS**  
RT CREW WORKSTATIONS  
 $\infty$  DETECTORS  
IMAGES  
INDICATING INSTRUMENTS  
 $\infty$  INSTRUMENTS  
MONITORS  
PERSONNEL

### HELMETS

GS CLOTHING  
. PROTECTIVE CLOTHING  
. . **HELMETS**  
SAFETY DEVICES  
. **HELMETS**  
RT ARMOR  
FLIGHT CLOTHING  
GOGGLES  
PRESSURE SUITS

### $\infty$ HELMHOLTZ EQUATIONS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT  $\infty$  EQUATIONS  
HELMHOLTZ VORTICITY EQUATION  
KELVIN-HELMHOLTZ INSTABILITY  
TIME DEPENDENCE  
WAVE EQUATIONS

### HELMHOLTZ RESONATORS

GS RESONATORS  
. **HELMHOLTZ RESONATORS**  
RT CAVITY RESONATORS  
NOISE REDUCTION

### HELMHOLTZ VORTICITY EQUATION

GS ANALYSIS (MATHEMATICS)  
. REAL VARIABLES  
. . DIFFERENTIAL EQUATIONS  
. . . PARTIAL DIFFERENTIAL EQUATIONS  
. . . . **HELMHOLTZ VORTICITY  
EQUATION**  
. . . . VORTICITY EQUATIONS  
. . . . . **HELMHOLTZ VORTICITY  
EQUATION**  
EQUATIONS OF MOTION  
. KINETIC EQUATIONS  
. . HYDRODYNAMIC EQUATIONS  
. . . **HELMHOLTZ VORTICITY EQUATION**  
FLOW EQUATIONS  
. VORTICITY EQUATIONS  
. . **HELMHOLTZ VORTICITY EQUATION**  
RT  $\infty$  EQUATIONS  
 $\infty$  HELMHOLTZ EQUATIONS  
VORTICITY

### HELOS (SATELLITE)

USE EXOSAT SATELLITE

### HEMATITE

GS CHALCOGENIDES  
. OXIDES  
. . METAL OXIDES  
. . . IRON OXIDES  
. . . . **HEMATITE**  
IRON COMPOUNDS  
. IRON OXIDES  
. . **HEMATITE**  
MINERALS  
. IRON ORES  
. . **HEMATITE**

### HEMATOCRIT

RT BLOOD  
BLOOD CIRCULATION  
BLOOD FLOW  
BLOOD PLASMA  
BLOOD VOLUME  
ERYTHROCYTES  
HEMATOLOGY  
HEMOGLOBIN

### HEMATOCRIT RATIO

RT ANEMIAS  
ERYTHROCYTES  
HEMATOLOGY

### HEMATOLOGY

RT CARBOXYHEMOGLOBIN TEST  
HEMATOCRIT  
HEMATOCRIT RATIO  
RETICULOCYTES

### HEMATOPOIESIS

GS CYTOGENESIS  
. **HEMATOPOIESIS**  
RT BLOOD  
BLOOD CELLS  
BONE MARROW  
CARDIOVASCULAR SYSTEM  
CELLS (BIOLOGY)  
PHYSIOLOGICAL EFFECTS  
RADIATION EFFECTS

### HEMATOPOIETIC SYSTEM

GS PHYSIOLOGY  
. **HEMATOPOIETIC SYSTEM**  
RT BLOOD CELLS  
BLOOD VOLUME  
BONE MARROW  
CARDIOVASCULAR SYSTEM  
PHYSIOLOGICAL EFFECTS  
 $\infty$  SYSTEMS

### HEMATURIA

GS SIGNS AND SYMPTOMS  
**HEMATURIA**  
RT URINE

### HEMISPHERE CYLINDER BODIES

RT  $\infty$  CYLINDERS  
CYLINDRICAL BODIES  
HEMISPHERICAL SHELLS  
PRESSURE VESSELS

### $\infty$ HEMISPHERES

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT AERODYNAMIC CONFIGURATIONS  
BODIES OF REVOLUTION  
EASTERN HEMISPHERE  
HEMISPHERICAL SHELLS  
NORTHERN HEMISPHERE  
SOUTHERN HEMISPHERE  
SPHERES

### HEMISPHERICAL SHELLS

GS SHELLS (STRUCTURAL FORMS)  
. **HEMISPHERICAL SHELLS**  
RT BODIES OF REVOLUTION  
CIRCULAR SHELLS  
DOMES (STRUCTURAL FORMS)  
HEMISPHERE CYLINDER BODIES  
 $\infty$  HEMISPHERES  
METAL SHELLS  
REINFORCED SHELLS  
SPHERES  
SPHERICAL SHELLS

### HEMOCYTES

GS CELLS (BIOLOGY)  
. BLOOD CELLS  
. . **HEMOCYTES**  
RT INVERTEBRATES

### HEMODYNAMIC RESPONSES

GS PHYSIOLOGICAL EFFECTS  
. PHYSIOLOGICAL RESPONSES  
. . **HEMODYNAMIC RESPONSES**  
RESPONSES  
. PHYSIOLOGICAL RESPONSES  
. . **HEMODYNAMIC RESPONSES**  
RT BLOOD CIRCULATION  
BLOOD PRESSURE  
HEAD DOWN TILT

### HEMODYNAMICS

GS **HEMODYNAMICS**  
LOWER BODY NEGATIVE PRESSURE  
RT BLOOD CIRCULATION  
BLOOD VOLUME  
CARDIOVASCULAR SYSTEM  
 $\infty$  DYNAMICS  
HEMOPERFUSION

## HETEROCYCLIC COMPOUNDS

### HEMOGLOBIN

- GS BIOPOLYMERS
  - . PROTEINS
  - . . . **HEMOGLOBIN**
  - . . . . CARBOXYHEMOGLOBIN
  - . . . . OXYHEMOGLOBIN
  - ORGANIC COMPOUNDS
  - . PROTEINS
  - . . **HEMOGLOBIN**
  - . . . . CARBOXYHEMOGLOBIN
  - . . . . OXYHEMOGLOBIN
  - ORGANOMETALLIC COMPOUNDS
  - . **HEMOGLOBIN**
  - . . CARBOXYHEMOGLOBIN
  - . . OXYHEMOGLOBIN
- RT ANEMIAS
  - BLOOD
  - BLOOD CELLS
  - CELLS (BIOLOGY)
  - ERYTHROCYTES
  - HEMATOCRIT
  - HEMOLYSIS
  - POLYCYTHEMIA
  - PORPHINES
  - PORPHYRINS
  - RETICULOCYTES

### HEMOLYSIS

- RT COMPLEMENT (BIOLOGY)
- ERYTHROCYTES
- HEMOGLOBIN
- POLYCYTHEMIA
- RETICULOCYTES

### HEMOPERFUSION

- RT ACTIVATED CARBON
- ADSORBENTS
- BLOOD FLOW
- BLOOD PRESSURE
- HEMODYNAMICS
- TOXICOLOGY

### HEMORRHAGES

- GS **HEMORRHAGES**
  - . PETECHIA
- RT ∞ BLEEDING
  - BLOOD
  - CARDIOVASCULAR SYSTEM
  - COAGULATION
  - HEMOSTATICS
  - HYPOTENSION
  - INJURIES
  - PATHOLOGY
  - POLYCYTHEMIA
  - RETICULOCYTES

### HEMOSTASIS

- USE HEMOSTATICS

### HEMOSTATICS

- UF HEMOSTASIS
- GS DRUGS
  - . **HEMOSTATICS**
- RT BLOOD COAGULATION
- FIBRINOGEN
- GIBBERELLINS
- HEMORRHAGES
- THROMBIN
- THROMBOPLASTIN

### HENRY LAW

- RT COMPOSITION (PROPERTY)
- PARTIAL PRESSURE
- RAOULT LAW
- SOLUBILITY
- SOLUTIONS
- VAPOR PRESSURE

### HEOS A SATELLITE

- GS ARTIFICIAL SATELLITES
  - . ESA SATELLITES
  - . . . HEOS SATELLITES
  - . . . **HEOS A SATELLITE**
- ESA SPACECRAFT
- . ESA SATELLITES
- . . . HEOS SATELLITES
- . . . **HEOS A SATELLITE**

### HEOS B SATELLITE

- GS ARTIFICIAL SATELLITES
  - . ESA SATELLITES
  - . . . HEOS SATELLITES
  - . . . **HEOS B SATELLITE**
- ESA SPACECRAFT
- . ESA SATELLITES

### HEOS B SATELLITE-(CONT.)

- . . . HEOS SATELLITES
- . . . **HEOS B SATELLITE**

### HEOS SATELLITES

- UF HIGHLY ECCENTRIC ORBIT SATELLITES
- GS ARTIFICIAL SATELLITES
  - . ESA SATELLITES
  - . . . **HEOS SATELLITES**
  - . . . . HEOS A SATELLITE
  - . . . . HEOS B SATELLITE
- ESA SPACECRAFT
- . ESA SATELLITES
- . . **HEOS SATELLITES**
- . . . HEOS A SATELLITE
- . . . HEOS B SATELLITE
- RT EUROPEAN SPACE PROGRAMS
- SOLAR ORBITS

### HEPARINS

- RT ANTICOAGULANTS

### HEPATITIS

- GS DISEASES
  - . INFECTIOUS DISEASES
  - . . . **HEPATITIS**
- RT ANATOMY
- LIVER
- VIRAL DISEASES

### HEPTADIENE

- GS ORGANIC COMPOUNDS
  - . HYDROCARBONS
  - . . ALIPHATIC HYDROCARBONS
  - . . . DIENES
  - . . . . **HEPTADIENE**

### HEPTANES

- GS ORGANIC COMPOUNDS
  - . HYDROCARBONS
  - . . ALIPHATIC HYDROCARBONS
  - . . . ALKANES
  - . . . . **HEPTANES**
- RT HYDROCARBON FUELS

### HERBICIDES

- RT BRUSH (BOTANY)
- DEFOLIANTS
- FOLIAGE
- FORESTS
- LEAVES
- PLANTS (BOTANY)
- TOXICITY
- TREES (PLANTS)

### HERBIG-HARO OBJECTS

- GS CELESTIAL BODIES
  - . NEBULAE
  - . . **HERBIG-HARO OBJECTS**
- RT B STARS
  - ∞ BODIES
  - INFRARED SOURCES (ASTRONOMY)
  - INFRARED STARS
  - STELLAR RADIATION
  - STELLAR SPECTRA
  - T TAURI STARS

### HERCULES AIRCRAFT

- USE C-130 AIRCRAFT

### HERCULES ENGINE

- GS ENGINES
  - . ROCKET ENGINES
  - . . SOLID PROPELLANT ROCKET
  - . . . ENGINES
  - . . . **HERCULES ENGINE**
- RT HONEST JOHN ROCKET VEHICLE
- LITTLE JOHN ROCKET VEHICLE

### HERCULES NOVA

- GS CELESTIAL BODIES
  - . STARS
  - . . VARIABLE STARS
  - . . . NOVAE
  - . . . . **HERCULES NOVA**
- RT DWARF NOVAE

### HEREDITY

- RT BREEDING (REPRODUCTION)
- CONGENITAL ANOMALIES
- CYTOGENESIS
- EVOLUTION (DEVELOPMENT)

### HERING-BREVER REFLEX

- GS REFLEXES
  - . RESPIRATORY REFLEXES
  - . . **HERING-BREVER REFLEX**
- RT HEART RATE

### HERMES MANNED SPACEPLANE

- GS MANNED SPACECRAFT
  - . SPACE SHUTTLES
  - . . **HERMES MANNED SPACEPLANE**
- REENTRY VEHICLES
- . RECOVERABLE SPACECRAFT
- . . REUSABLE SPACECRAFT
- . . . SPACE SHUTTLES
- . . . **HERMES MANNED SPACEPLANE**
- RT FRENCH SPACE PROGRAMS
- SPACE TRANSPORTATION SYSTEM
- SPACECRAFT DESIGN

### HERMES SATELLITE

- USE COMMUNICATIONS TECHNOLOGY
- SATELLITE

### HERMETIC SEALS

- GS SEALS (STOPPERS)
  - . **HERMETIC SEALS**
- RT ∞ HEADERS
- LABYRINTH SEALS
- O RING SEALS
- PUMP SEALS

### HERMITIAN POLYNOMIAL

- GS ALGEBRA
  - . POLYNOMIALS
  - . . **HERMITIAN POLYNOMIAL**
- RT JACOBI MATRIX METHOD
- MATRICES (MATHEMATICS)
- REAL VARIABLES
- VECTOR SPACES

### HERO REACTOR

- GS NUCLEAR REACTORS
  - . NUCLEAR RESEARCH AND TEST
  - . . REACTORS
  - . . . **HERO REACTOR**

### HERTZSPRUNG-RUSSELL DIAGRAM

- UF HR DIAGRAM
- GS DIAGRAMS
  - . **HERTZSPRUNG-RUSSELL DIAGRAM**
- RT ASYMPTOTIC GIANT BRANCH STARS
- COLOR-COLOR DIAGRAM
- COLOR-MAGNITUDE DIAGRAM
- HORIZONTAL BRANCH STARS
- STELLAR EVOLUTION
- STELLAR LUMINOSITY
- STELLAR SPECTRA

### HERZBERG BANDS

- GS SPECTRA
  - . RADIATION SPECTRA
  - . . ABSORPTION SPECTRA
  - . . . **HERZBERG BANDS**
  - . . . SPECTRAL BANDS
  - . . . ABSORPTION SPECTRA
  - . . . **HERZBERG BANDS**
- RT ∞ BANDS
- OXYGEN SPECTRA
- SCHUMANN-RUNGE BANDS
- ULTRAVIOLET SPECTRA

### HESSIAN MATRICES

- GS ALGEBRA
  - . VECTOR SPACES
  - . . MATRICES (MATHEMATICS)
  - . . . **HESSIAN MATRICES**
- RT ALGORITHMS
- OPTIMIZATION

### HET EXPERIMENT

- UF HEALTH-EDUCATION
- TELECOMMUNICATIONS EXP
- GS TELECOMMUNICATION
- . **HET EXPERIMENT**
- TELECONFERENCING
- . **HET EXPERIMENT**
- RT ATS 6
- COMMUNICATION SATELLITES
- SATELLITE NETWORKS

### HETEROCYCLIC COMPOUNDS

- GS ORGANIC COMPOUNDS
  - . CYCLIC COMPOUNDS
  - . . **HETEROCYCLIC COMPOUNDS**



## HETERODYNING

### HETEROCYCLIC COMPOUNDS-(CONT.)

... ACRIFLAVINE  
... ADENOSINES  
... ADENOSINE DIPHOSPHATE  
... ADENOSINE TRIPHOSPHATE  
... CYCLIC AMP  
... ALKALOIDS  
... ATROPINE  
... BETAINES  
... CAFFEINE  
... COLCHICINE  
... ERGOTAMINE  
... HYOSCINE  
... LYSERGINE  
... MORPHINE  
... NICOTINAMIDE  
... NICOTINE  
... PILOCARPINE  
... RESERPINE  
... STRYCHNINE  
... TROPYL COMPOUNDS  
... ANISOLE  
... ASCORBIC ACID  
... AZINES  
... CYANURATES  
... CYANURIC ACID  
... MECLIZINE  
... METHYLENE BLUE  
... PHENOTHIAZINES  
... AZOLES  
... ACETAZOLAMIDE  
... OXAZOLE  
... PYRROLES  
... CARBAZOLES  
... INDOLES  
... TRYPTOPHAN  
... AZULENE  
... BIOFLAVONOIDS  
... BIOTIN  
... CARNITINE  
... CYANOCOBALAMIN  
... CYTIDYLIC ACID  
... DIMENHYDRINATE  
... ENDRIIN  
... ETHYLENE OXIDE  
... FOLIC ACID  
... FURANS  
... TETRAHYDROFURAN  
... GUANETHIDINE  
... HMX  
... NICOTINIC ACID  
... PHTHALOCYANIN  
... PHYLLOQUINONE  
... PIPERIDINE  
... PROMETHAZINE  
... PURINES  
... ADENINES  
... XANTHINES  
... CAFFEINE  
... GUANINES  
... URIC ACID  
... PYRIDINES  
... PYRIDOXINE  
... PYRIMIDINES  
... ALLOXAN  
... THYMIDINE  
... THYMINE  
... URACIL  
... RDX  
... RETINENE  
... RIBOFLAVIN  
... TETRACYCLINES  
... TETRAZOLES  
... THIAMINE  
... THIAZINE (TRADEMARK)  
... TOCOPHEROL  
... TRIMETHADIONE  
RT  $\infty$  CHEMICAL COMPOUNDS

### HETERODYNYING

GS **HETERODYNYING**  
... OPTICAL HETERODYNYING  
RT AUTODYNES  
DEMODULATION  
INTERMEDIATE FREQUENCY AMPLIFIERS  
MIXING CIRCUITS  
SUPERHETERODYNE RECEIVERS

### HETEROGENEITY

RT DEVIATION  
IMPURITIES  
INCLUSIONS  
INHOMOGENEITY  
RANGE (EXTREMES)  
SAMPLING

### HETEROGENEITY-(CONT.)

STANDARD DEVIATION  
STATISTICAL TESTS  
VARIABILITY  
VARIANCE (STATISTICS)

### HETEROJUNCTION DEVICES

GS ELECTRONIC EQUIPMENT  
... SOLID STATE DEVICES  
... SEMICONDUCTOR DEVICES  
... **HETEROJUNCTION DEVICES**  
... HIGH ELECTRON MOBILITY TRANSISTORS  
... MODFETS  
RT BAND STRUCTURE OF SOLIDS  
DISTRIBUTED FEEDBACK LASERS  
GALLIUM ARSENIDES  
HOMOJUNCTIONS  
ITO (SEMICONDUCTORS)  
JUNCTION DIODES  
MODULATION DOPING  
QUANTUM EFFICIENCY  
QUANTUM WELLS  
SEMICONDUCTOR JUNCTIONS  
SOLAR ENERGY CONVERSION  
WAVEGUIDE LASERS

### HETEROJUNCTIONS

GS SEMICONDUCTOR JUNCTIONS  
... **HETEROJUNCTIONS**  
RT HOMOJUNCTIONS  
JUNCTION DIODES  
MODULATION DOPING  
QUANTUM WELLS  
SILICON JUNCTIONS  
SOLAR CELLS  
THIN FILMS

### HETEROPHORIA

UF EXOPHORIA  
RT VISION

### HETEROSPHERE

GS EARTH ATMOSPHERE  
... **HETEROSPHERE**  
ENVIRONMENTS  
... **HETEROSPHERE**  
RT CHEMOSPHERE  
EARTH IONOSPHERE  
EARTH MAGNETOSPHERE  
EXOSPHERE  
LOWER ATMOSPHERE  
MIDDLE ATMOSPHERE  
THERMOSPHERE  
UPPER ATMOSPHERE

### HETEROTROPHS

RT ANIMALS  
AUTOTROPHS  
METABOLISM  
PLANTS (BOTANY)

### HEURISTIC METHODS

RT AUTOMATA THEORY  
COMPUTER PROGRAMMING  
 $\infty$  METHODOLOGY  
SIMULATION

### HEUS ROCKET ENGINES

GS ENGINES  
... ROCKET ENGINES  
... **HEUS ROCKET ENGINES**  
RT ROCKET ENGINE CONTROL  
ROCKET VEHICLES

### HEWLETT-PACKARD COMPUTERS

GS DATA PROCESSING EQUIPMENT  
... COMPUTERS  
... DIGITAL COMPUTERS  
... **HEWLETT-PACKARD COMPUTERS**

### HEXADIENE

GS ORGANIC COMPOUNDS  
... HYDROCARBONS  
... ALIPHATIC HYDROCARBONS  
... DIENES  
... **HEXADIENE**

### HEXAGONAL CELLS

RT  $\infty$  CELLS  
CRYSTAL LATTICES  
HONEYCOMB STRUCTURES

### HEXAGONS

GS GEOMETRY  
... EUCLIDEAN GEOMETRY  
... POLYGONS  
... **HEXAGONS**

### HEXAHDRITE

GS MAGNESIUM COMPOUNDS  
... MAGNESIUM SULFATES  
... **HEXAHDRITE**  
MINERALS  
... **HEXAHDRITE**  
SULFUR COMPOUNDS  
... SULFATES  
... MAGNESIUM SULFATES  
... **HEXAHDRITE**

### HEXAMETHONIUM

RT AMMONIUM COMPOUNDS  
ANTICONVULSANTS

### HEXAMETHYLENETETRAMINE

GS AMINES  
**HEXAMETHYLENETETRAMINE**

### HEXANITROSTILBENE

UF HNST  
RT STILBENE

### HEXENES

GS ORGANIC COMPOUNDS  
... HYDROCARBONS  
... ALIPHATIC HYDROCARBONS  
... ALKENES  
... **HEXENES**  
RT CYCLOHEXANE  
HYDROCARBON FUELS

### HEXOGENES (TRADEMARK)

GS ACIDS  
... CARBOXYLIC ACIDS  
... **HEXOGENES (TRADEMARK)**  
ORGANIC COMPOUNDS  
... CARBOXYLIC ACIDS  
... **HEXOGENES (TRADEMARK)**

### HEXOKINASE

GS BIOPOLYMERS  
... PROTEINS  
... ENZYMES  
... **HEXOKINASE**  
ORGANIC COMPOUNDS  
... PROTEINS  
... ENZYMES  
... **HEXOKINASE**

### HEXOSES

GS ORGANIC COMPOUNDS  
... CARBOHYDRATES  
... SUGARS  
... MONOSACCHARIDES  
... **HEXOSES**  
... GALACTOSE  
... GLUCOSE

### HEXYL COMPOUNDS

GS ALKYL COMPOUNDS  
... **HEXYL COMPOUNDS**  
RT  $\infty$  CHEMICAL COMPOUNDS

### HF LASERS

GS STIMULATED EMISSION DEVICES  
... LASERS  
... GAS LASERS  
... **HF LASERS**  
RT CHEMICAL LASERS  
INFRARED LASERS  
TEA LASERS

### HFB-320 AIRCRAFT

UF HAMBURGER HFB-320 AIRCRAFT  
GS HAMBURGER AIRCRAFT  
... **HFB-320 AIRCRAFT**  
JET AIRCRAFT  
... **HFB-320 AIRCRAFT**  
MONOPLANES  
... **HFB-320 AIRCRAFT**  
PASSENGER AIRCRAFT  
... **HFB-320 AIRCRAFT**  
TRANSPORT AIRCRAFT  
... **HFB-320 AIRCRAFT**  
RT  $\infty$  AIRCRAFT

## HIGH FLUX ISOTOPE REACTORS

**HFIR**  
USE HIGH FLUX ISOTOPE REACTORS

**HFIR (REACTOR)**  
USE HIGH FLUX ISOTOPE REACTORS

**HH-43 HELICOPTER**  
UF HH-43B HELICOPTER  
HUSKIE HELICOPTER  
GS KAMAN AIRCRAFT  
. **HH-43 HELICOPTER**  
UTILITY AIRCRAFT  
. **HH-43 HELICOPTER**  
V/STOL AIRCRAFT  
. ROTARY WING AIRCRAFT  
. HELICOPTERS  
. MILITARY HELICOPTERS  
. **HH-43 HELICOPTER**

**HH-43B HELICOPTER**  
USE HH-43 HELICOPTER

**HMX HELICOPTER**  
USE H-53 HELICOPTER

**HIBERNATION**  
RT ADAPTATION  
THERMOREGULATION

**HICAT (RADAR TECHNIQUE)**  
USE HIGH RESOLUTION COVERAGE  
ANTENNAS

**HICAT PROJECT**  
USE HIGH RESOLUTION COVERAGE  
ANTENNAS

**HIERARCHIES**  
GS CLASSIFICATIONS  
. **HIERARCHIES**  
. BBGKY HIERARCHY  
. DICHOTOMIES

**HIGH ACCELERATION**  
GS RATES (PER TIME)  
. ACCELERATION (PHYSICS)  
. **HIGH ACCELERATION**  
RT  $\infty$  ACCELERATION  
ACCELERATION STRESSES  
(PHYSIOLOGY)  
ACCELERATION TOLERANCE  
ELECTRON RUNAWAY (PLASMA  
PHYSICS)  
MECHANICAL SHOCK  
 $\infty$  MOTION  
SHOCK RESISTANCE

**HIGH ALT TARGET AND BACKGROUND  
MEASUREMENT**  
UF HITAB PROGRAM  
RT  $\infty$  MEASUREMENT  
TARGET ACQUISITION

**HIGH ALTITUDE**  
UF HIGH ALTITUDE FLIGHT  
GS ALTITUDE  
. **HIGH ALTITUDE**  
RT MIDALTITUDE  
SKYHOOK BALLOONS  
UPPER ATMOSPHERE

**HIGH ALTITUDE BALLOONS**  
GS EXPANDABLE STRUCTURES  
. INFLATABLE STRUCTURES  
. BALLOONS  
. **HIGH ALTITUDE BALLOONS**  
. JIMSPHERE BALLOONS  
. SKYHOOK BALLOONS  
. SUPERPRESSURE BALLOONS  
RT BALLOON-BORNE INSTRUMENTS  
GAS BAGS  
METEOROLOGICAL BALLOONS  
ROBIN BALLOONS  
ROCKOONS

**HIGH ALTITUDE BREATHING**  
GS RESPIRATION  
. **HIGH ALTITUDE BREATHING**  
RT ALTITUDE TOLERANCE  
 $\infty$  BREATHING  
EMERGENCY LIFE SUSTAINING  
SYSTEMS  
HYPOBARIC ATMOSPHERES  
OXYGEN MASKS

**HIGH ALTITUDE ENVIRONMENTS**  
GS ENVIRONMENTS  
. **HIGH ALTITUDE ENVIRONMENTS**  
RT ALTITUDE SIMULATION  
ALTITUDE TESTS  
ALTITUDE TOLERANCE  
ESCAPE CAPSULES  
HYPOBARIC ATMOSPHERES  
LOW PRESSURE  
LOW TEMPERATURE ENVIRONMENTS  
MOUNTAIN INHABITANTS  
THERMAL VACUUM TESTS  
TIMBERLINE  
VACUUM CHAMBERS

**HIGH ALTITUDE FLIGHT**  
USE FLIGHT  
HIGH ALTITUDE

**HIGH ALTITUDE NUCLEAR DETECTION**  
GS DETECTION  
. **HIGH ALTITUDE NUCLEAR DETECTION**  
RT SPACE SURVEILLANCE (SPACEBORNE)  
VELA SATELLITES

**HIGH ALTITUDE PRESSURE**  
GS PRESSURE  
. LOW PRESSURE  
. **HIGH ALTITUDE PRESSURE**  
RT ALTITUDE TOLERANCE  
ATMOSPHERIC PRESSURE  
HYPOBARIC ATMOSPHERES  
VACUUM CHAMBERS

**HIGH ALTITUDE SOUNDING PROJECTILE**  
USE WASP SOUNDING ROCKET

**HIGH ALTITUDE TESTS**  
GS ALTITUDE TESTS  
. **HIGH ALTITUDE TESTS**  
RT BACKGROUND RADIATION  
ENVIRONMENTAL TESTS  
FISHBOWL OPERATION  
FLIGHT TESTS  
FULL SCALE TESTS  
TEST VEHICLES  
 $\infty$  TESTS  
VELA SATELLITES

**HIGH ASPECT RATIO**  
GS RATIOS  
. ASPECT RATIO  
. **HIGH ASPECT RATIO**

**HIGH ASPECT RATIO WINGS**  
USE SLENDER WINGS

**HIGH CURRENT**  
GS ELECTRIC CURRENT  
. **HIGH CURRENT**  
RT HIGH VOLTAGES  
PLASMA CURRENTS

**HIGH DISPERSION SPECTROGRAPHS**  
GS MEASURING INSTRUMENTS  
. SPECTROMETERS  
. ULTRAVIOLET SPECTROMETERS  
. **HIGH DISPERSION  
SPECTROGRAPHS**  
SPECTROGRAPHS  
. **HIGH DISPERSION SPECTROGRAPHS**

**HIGH ECCENTRIC LUNAR OCCULTATION  
SATELLITE**  
USE EXOSAT SATELLITE

**HIGH ELECTRON MOBILITY TRANSISTORS**  
GS ELECTRONIC EQUIPMENT  
. SOLID STATE DEVICES  
. SEMICONDUCTOR DEVICES  
. HETEROJUNCTION DEVICES  
. **HIGH ELECTRON MOBILITY  
TRANSISTORS**  
. MODFETS  
. TRANSISTORS  
. **HIGH ELECTRON MOBILITY  
TRANSISTORS**  
RT  $\infty$  MODFETS  
ELECTRON MOBILITY  
FIELD EFFECT TRANSISTORS  
MODULATION DOPING

**HIGH ENERGY ASTRONOMY OBSERVATORIES**  
USE HEAO

**HIGH ENERGY ASTRONOMY OBSERVATORY A**  
USE HEAO 1

**HIGH ENERGY ASTRONOMY OBSERVATORY B**  
USE HEAO 2

**HIGH ENERGY ASTRONOMY OBSERVATORY C**  
USE HEAO 3

**HIGH ENERGY ASTRONOMY OBSERVATORY 1**  
USE HEAO 1

**HIGH ENERGY ASTRONOMY OBSERVATORY 2**  
USE HEAO 2

**HIGH ENERGY ASTRONOMY OBSERVATORY 3**  
USE HEAO 3

**HIGH ENERGY ELECTRONS**  
GS PARTICLES  
. CHARGED PARTICLES  
. **ENERGETIC PARTICLES**  
. **ELECTRONS**  
. **HIGH ENERGY ELECTRONS**  
RT SCATHA SATELLITE

**HIGH ENERGY FUELS**  
SN (HEAT CONTENT GREATER THAN OR  
EQUAL TO APPROXIMATELY 25,000  
BTU/LB)  
UF HEF (HIGH ENERGY FUELS)  
GS FUELS  
. **CHEMICAL FUELS**  
. **HIGH ENERGY FUELS**  
RT ADDITIVES  
BORON COMPOUNDS  
CATALYSTS  
CRYOGENIC ROCKET PROPELLANTS  
HYBRID PROPELLANTS  
HYDROCARBON FUELS

**HIGH ENERGY INTERACTIONS**  
GS PARTICLE INTERACTIONS  
. ELEMENTARY PARTICLE  
INTERACTIONS  
. **HIGH ENERGY INTERACTIONS**  
. **STRONG INTERACTIONS (FIELD  
THEORY)**  
RT ANNIHILATION REACTIONS  
BEAM INTERACTIONS  
FISSION PRODUCTS  
 $\infty$  INTERACTIONS  
NUCLEAR EXPLOSIONS  
NUCLEAR FISSION  
NUCLEAR FUSION  
NUCLEAR INTERACTIONS  
NUCLEAR RADIATION  
NUCLEAR REACTIONS  
NUCLEAR RESEARCH  
PAIR PRODUCTION  
PARTICLE PRODUCTION  
POMERANCHUK THEOREM  
THERMONUCLEAR REACTIONS  
VECTOR DOMINANCE MODEL

**HIGH ENERGY OXIDIZERS**  
GS OXIDIZERS  
. **HIGH ENERGY OXIDIZERS**  
RT ROCKET OXIDIZERS

**HIGH ENERGY PROPELLANTS**  
GS PROPELLANTS  
. **HIGH ENERGY PROPELLANTS**  
. DOMINO PROPELLANTS  
RT CRYOGENIC ROCKET PROPELLANTS  
GASEOUS ROCKET PROPELLANTS  
HYBRID PROPELLANTS  
LIQUID ROCKET PROPELLANTS

**HIGH FIELD MAGNETS**  
UF SUPERMAGNETS  
GS MAGNETS  
. ELECTROMAGNETS  
. **HIGH FIELD MAGNETS**  
RT SUPERCONDUCTING MAGNETS

**HIGH FLUX BEAM REACTORS**  
RT NUCLEAR REACTORS

**HIGH FLUX ISOTOPE REACTORS**  
UF HFIR  
HFIR (REACTOR)  
GS NUCLEAR REACTORS  
. **HIGH FLUX ISOTOPE REACTORS**

## HIGH FREQUENCIES

### HIGH FLUX ISOTOPE REACTORS-(CONT.)

RT NEUTRON FLUX DENSITY

### HIGH FREQUENCIES

GS FREQUENCIES  
 . RADIO FREQUENCIES  
 . . HIGH FREQUENCIES  
 RT DECAHETERIC WAVES  
 INTERMEDIATE FREQUENCIES  
 LOW FREQUENCY BANDS  
 MAXIMUM USABLE FREQUENCY  
 RING DISCHARGE  
 SHORT WAVE RADIATION  
 SHORT WAVE RADIO TRANSMISSION  
 TOROIDAL DISCHARGE

### HIGH GAIN

RT AMPLIFICATION  
 PILOT INDUCED OSCILLATION  
 POWER GAIN  
 TRANSFER FUNCTIONS

### HIGH GRAVITY (ACCELERATION)

USE HIGH GRAVITY ENVIRONMENTS

### HIGH GRAVITY ENVIRONMENTS

UF HIGH GRAVITY (ACCELERATION)  
 GS ENVIRONMENTS  
 . HIGH GRAVITY ENVIRONMENTS  
 RATES (PER TIME)  
 . ACCELERATION (PHYSICS)  
 . . HIGH GRAVITY ENVIRONMENTS  
 RT  $\infty$  ACCELERATION  
 CENTRIFUGES  
 EXTRATERRESTRIAL ENVIRONMENTS  
 GRAVITATION  
 HUMAN CENTRIFUGES  
 REDUCED GRAVITY  
 ROTATING ENVIRONMENTS

### HIGH IMPULSE

RT  $\infty$  FORCE  
 IMPULSES  
 PROPULSION

### HIGH INTENSITY LASERS

USE HIGH POWER LASERS

### HIGH LATITUDES

USE POLAR REGIONS

### HIGH LEVEL LANGUAGES

GS LANGUAGES  
 . PROGRAMMING LANGUAGES  
 . . HIGH LEVEL LANGUAGES  
 . . . ADA (PROGRAMMING LANGUAGE)  
 RT COMMUNICATION THEORY  
 LANGUAGE PROGRAMMING  
 SYMBOLS

### HIGH MELTING COMPOUNDS

USE REFRACTORY MATERIALS

### HIGH PASS FILTERS

RT BANDSTOP FILTERS  
 ELECTRIC FILTERS  
 ELECTROMAGNETIC WAVE FILTERS  
 $\infty$  FILTERS  
 MICROWAVE FILTERS  
 OPTICAL FILTERS

### HIGH POLYMERS

RT  $\infty$  POLYMERS

### HIGH POWER LASERS

UF HIGH INTENSITY LASERS  
 GS STIMULATED EMISSION DEVICES  
 . LASERS  
 . . HIGH POWER LASERS  
 . . . NOVA LASER SYSTEM  
 . . . SHIVA LASER SYSTEM  
 RT GLASS LASERS  
 LASER FUSION  
 LASER OUTPUTS  
 OPTICAL COMMUNICATION

### HIGH PRESSURE

GS PRESSURE  
 . HIGH PRESSURE  
 ANTICYCLONES  
 CRITICAL PRESSURE  
 DEGENERATE MATTER  
 HYPERBARIC CHAMBERS  
 LOW PRESSURE

### HIGH PRESSURE-(CONT.)

SUPERCRITICAL PRESSURES  
 TRANSITION PRESSURE  
 VACUUM

### HIGH PRESSURE OXYGEN

GS GASES  
 . COMPRESSED GAS  
 . . HIGH PRESSURE OXYGEN  
 RT FIRE PREVENTION  
 OXYGEN  
 PRESSURE  
 SPACECRAFT CABIN ATMOSPHERES

### HIGH Q

USE Q FACTORS

### $\infty$ HIGH RESISTANCE

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT CHEMICAL PROPERTIES  
 ELECTRICAL RESISTANCE  
 FLOW RESISTANCE  
 MECHANICAL PROPERTIES  
 $\infty$  PHYSICAL PROPERTIES  
 $\infty$  RESISTANCE  
 RUGGEDNESS  
 THERMAL RESISTANCE

### HIGH RESOLUTION

GS RESOLUTION  
 . HIGH RESOLUTION  
 RT ACCURACY  
 ANGULAR RESOLUTION  
 PRECISION  
 SPATIAL RESOLUTION

### HIGH RESOLUTION COVERAGE ANTENNAS

UF HICAT (RADAR TECHNIQUE)  
 HICAT PROJECT  
 RT RADAR ANTENNAS  
 RADAR RESOLUTION  
 RESOLUTION

### HIGH REYNOLDS NUMBER

SN (RN ABOVE 3,000)  
 GS RATIOS  
 . DIMENSIONLESS NUMBERS  
 . . REYNOLDS NUMBER  
 . . . HIGH REYNOLDS NUMBER  
 RT LOW REYNOLDS NUMBER

### HIGH SPEED

UF HIGH SPEED FLIGHT  
 GS RATES (PER TIME)  
 . HIGH SPEED  
 VELOCITY  
 RT . HIGH SPEED  
 AIRSPEED  
 ESCAPE VELOCITY  
 GROUND SPEED  
 HYPERSONIC SPEED  
 LANDING SPEED  
 LIGHT SPEED  
 RELATIVISTIC VELOCITY  
 ROTOR SPEED  
 SUPERSONIC SPEED

### HIGH SPEED CAMERAS

GS OPTICAL EQUIPMENT  
 . CAMERAS  
 . . HIGH SPEED CAMERAS  
 . . . FRAMING CAMERAS  
 PHOTOGRAPHIC EQUIPMENT  
 . CAMERAS  
 . . HIGH SPEED CAMERAS  
 . . . FRAMING CAMERAS  
 RT BALLISTIC CAMERAS  
 FRAME PHOTOGRAPHY  
 HIGH SPEED PHOTOGRAPHY  
 ROTATING MIRRORS  
 STREAK PHOTOGRAPHY  
 STROBOSCOPES

### HIGH SPEED FLIGHT

USE FLIGHT  
 HIGH SPEED

### HIGH SPEED PHOTOGRAPHY

GS PHOTOGRAPHY  
 . HIGH SPEED PHOTOGRAPHY  
 RT HIGH SPEED CAMERAS  
 PHOTOGRAPHIC RECORDING

### HIGH SPEED TRANSPORTATION

USE RAPID TRANSIT SYSTEMS

### HIGH STRENGTH

GS MECHANICAL PROPERTIES  
 . HIGH STRENGTH  
 RT COMPRESSIVE STRENGTH  
 SHEAR STRENGTH  
 $\infty$  STRENGTH  
 TENSILE STRENGTH  
 TENSILE STRESS  
 YIELD STRENGTH

### HIGH STRENGTH ALLOYS

GS ALLOYS  
 . HIGH STRENGTH ALLOYS  
 . . ASTROLOY (TRADEMARK)  
 . . HIGH STRENGTH STEELS  
 . . . MARAGING STEELS  
 RT TENSILE PROPERTIES

### HIGH STRENGTH STEELS

UF LOW ALLOY STEELS  
 GS ALLOYS  
 . HIGH STRENGTH ALLOYS  
 . . HIGH STRENGTH STEELS  
 . . . MARAGING STEELS  
 . . IRON ALLOYS  
 . . STEELS  
 . . . HIGH STRENGTH STEELS  
 . . . . MARAGING STEELS  
 RT CARBON STEELS

### HIGH TEMPERATURE

GS TEMPERATURE  
 . HIGH TEMPERATURE  
 RT SIALON  
 TEMPERATURE MEASUREMENT

### HIGH TEMPERATURE AIR

UF HOT AIR  
 GS GASES  
 . GAS MIXTURES  
 . . AIR  
 . . . HIGH TEMPERATURE AIR  
 . . HIGH TEMPERATURE GASES  
 . . HIGH TEMPERATURE AIR  
 HIGH TEMPERATURE FLUIDS  
 . HIGH TEMPERATURE GASES  
 . . HIGH TEMPERATURE AIR  
 MIXTURES  
 . SOLUTIONS  
 . . GAS MIXTURES  
 . . . AIR  
 . . . . HIGH TEMPERATURE AIR

### HIGH TEMPERATURE ALLOYS

USE HEAT RESISTANT ALLOYS

### HIGH TEMPERATURE ENVIRONMENTS

GS ENVIRONMENTS  
 . HIGH TEMPERATURE ENVIRONMENTS  
 RT DRY HEAT  
 HEAT ACCLIMATIZATION  
 LUNAR TEMPERATURE  
 THERMAL ENVIRONMENTS  
 THERMAL FATIGUE

### HIGH TEMPERATURE FLUIDS

GS HIGH TEMPERATURE FLUIDS  
 . HIGH TEMPERATURE GASES  
 . . HIGH TEMPERATURE AIR  
 RT  $\infty$  FLUIDS  
 HYDRAULIC FLUIDS  
 PLASMAS (PHYSICS)  
 WORKING FLUIDS

### HIGH TEMPERATURE GAS COOLED REACTORS

UF HTGR  
 GS NUCLEAR REACTORS  
 . GAS COOLED REACTORS  
 . . HIGH TEMPERATURE NUCLEAR  
 REACTORS  
 . . . HIGH TEMPERATURE GAS COOLED  
 REACTORS  
 RT NUCLEAR POWER REACTORS

### HIGH TEMPERATURE GASES

UF HOT GAS SYSTEMS  
 HOT GASES  
 HOT JET EXHAUST  
 GS GASES  
 . HIGH TEMPERATURE GASES  
 . . HIGH TEMPERATURE AIR

**HIGH TEMPERATURE GASES-(CONT.)**

HIGH TEMPERATURE FLUIDS  
 . HIGH TEMPERATURE GASES  
 . . HIGH TEMPERATURE AIR  
 RT COMBUSTION PRODUCTS  
 EXHAUST EMISSION  
 IONIZED GASES  
 PNEUMATIC PROBES  
 RAREFIED GASES  
 SHOCK WAVE PROPAGATION

**HIGH TEMPERATURE LUBRICANTS**

GS LUBRICANTS  
 . HIGH TEMPERATURE LUBRICANTS  
 RT GAS BEARINGS  
 GAS LUBRICANTS  
 THERMAL RESISTANCE

**HIGH TEMPERATURE MATERIALS**  
 USE REFRACTORY MATERIALS**HIGH TEMPERATURE NUCLEAR REACTORS**

UF LOS ALAMOS TURRET REACTOR  
 UHTREX (NUCLEAR REACTORS)  
 GS NUCLEAR REACTORS  
 . GAS COOLED REACTORS  
 . . HIGH TEMPERATURE NUCLEAR REACTORS  
 . . . HIGH TEMPERATURE GAS COOLED REACTORS  
 . NUCLEAR RESEARCH AND TEST REACTORS  
 . . HIGH TEMPERATURE NUCLEAR REACTORS  
 RT NUCLEAR PROPULSION  
 REACTOR DESIGN  
 REACTOR TECHNOLOGY  
 ∞ REACTORS

**HIGH TEMPERATURE PLASMAS**

UF HOT PLASMAS  
 GS PARTICLES  
 . CHARGED PARTICLES  
 . . ENERGETIC PARTICLES  
 . . . PLASMAS (PHYSICS)  
 . . . . HIGH TEMPERATURE PLASMAS  
 RT BOLTZMANN-VLASOV EQUATION  
 COLLISIONAL PLASMAS  
 DENSE PLASMAS  
 ELECTRON PLASMA  
 HELIOS PROJECT  
 RELATIVISTIC PLASMAS  
 STRONGLY COUPLED PLASMAS  
 THERMAL PLASMAS

**HIGH TEMPERATURE PROPELLANTS**

GS PROPELLANTS  
 . HIGH TEMPERATURE PROPELLANTS  
 RT ELECTROTHERMAL ENGINES  
 GELLED PROPELLANTS  
 GELLED ROCKET PROPELLANTS  
 ION PROPULSION  
 NUCLEAR PROPULSION  
 PLASMA ENGINES  
 SOLID PROPELLANTS  
 STORABLE PROPELLANTS

**HIGH TEMPERATURE RESEARCH**

GS RESEARCH  
 . HIGH TEMPERATURE RESEARCH  
 RT PLASMA GENERATORS  
 REFRACTORY MATERIALS

**HIGH TEMPERATURE SUPERCONDUCTORS**

GS CONDUCTORS  
 . SUPERCONDUCTORS  
 . . HIGH TEMPERATURE SUPERCONDUCTORS  
 RT BARIUM OXIDES  
 CERAMICS  
 CRITICAL TEMPERATURE  
 CRYOGENIC GYROSCOPES  
 CRYOGENIC MAGNETS  
 CRYOGENICS  
 ELECTRICAL RESISTIVITY  
 JOSEPHSON JUNCTIONS  
 LIQUID NITROGEN  
 LOW TEMPERATURE PHYSICS  
 METAL OXIDES  
 MIXED OXIDES  
 OPERATING TEMPERATURE  
 SUPERCONDUCTING MAGNETS  
 SUPERCONDUCTING POWER TRANSMISSION  
 SUPERCONDUCTIVITY

**HIGH TEMPERATURE-(CONT.)**  
 YTTRIUM OXIDES**HIGH TEMPERATURE TESTS**

UF HEAT TESTS  
 GS ENVIRONMENTAL TESTS  
 . HIGH TEMPERATURE TESTS  
 RT BOMB CALORIMETERS  
 CALORIMETERS  
 CHEMICAL TESTS  
 COLD STRENGTH  
 COLD WEATHER TESTS  
 CRYOSTATS  
 DROP CALORIMETERS  
 FLAME CALORIMETERS  
 HARDNESS TESTS  
 LUBRICANT TESTS  
 ∞ MATERIALS TESTS  
 MELTING POINTS  
 NONDESTRUCTIVE TESTS  
 TEMPERATURE CONTROL  
 ∞ TESTS  
 THERMAL EXPANSION  
 THERMAL RESISTANCE  
 THERMAL SHOCK  
 THERMAL STABILITY  
 THERMODYNAMIC PROPERTIES  
 TRANSPORT PROPERTIES

**HIGH THRUST**

GS THRUST  
 . HIGH THRUST  
 RT JET THRUST  
 LOW THRUST  
 ROCKET THRUST  
 THRUST AUGMENTATION  
 VARIABLE THRUST

**HIGH VACUUM**

GS PRESSURE  
 . VACUUM  
 . . HIGH VACUUM  
 RT COLD WELDING  
 LOW VACUUM  
 MOLECULAR SHIELDS  
 RESIDUAL GAS  
 SPACE MANUFACTURING  
 ULTRAHIGH VACUUM  
 VACUUM APPARATUS  
 VACUUM TESTS

**HIGH VACUUM ORBITAL SIMULATOR**

UF HIVOS (SIMULATOR)  
 GS SIMULATORS  
 . ENVIRONMENT SIMULATORS  
 . . SPACE SIMULATORS  
 . . . HIGH VACUUM ORBITAL SIMULATOR  
 RT SPACE ENVIRONMENT SIMULATION

**HIGH VOLTAGES**

RT ELECTRIC CURRENT  
 ELECTRIC POTENTIAL  
 HIGH CURRENT

**HIGHLANDS**

RT COLORADO PLATEAU (US)  
 MESAS  
 MOUNTAINS  
 PLATEAUS  
 TOPOGRAPHY

**HIGHLY ECCENTRIC ORBIT SATELLITES**

USE HEOS SATELLITES

**HIGHLY MANEUVERABLE AIRCRAFT**

UF HIMAT  
 RT AIRBORNE/SPACEBORNE COMPUTERS  
 ∞ AIRCRAFT  
 AIRCRAFT MANEUVERS  
 AUTOMATIC FLIGHT CONTROL  
 AUTOMATIC PILOTS  
 COMPUTERIZED SIMULATION  
 FIGHTER AIRCRAFT  
 FLIGHT CHARACTERISTICS  
 FLIGHT TESTS  
 REMOTELY PILOTED VEHICLES

**HIGHWAYS**

GS ROADS  
 . HIGHWAYS  
 RT AIR BAG RESTRAINT DEVICES  
 BRIDGES (STRUCTURES)  
 CONSTRUCTION

**HIGHWAYS-(CONT.)**

CRASHES  
 INTERSECTIONS  
 PAVEMENTS  
 RAMPS (STRUCTURES)  
 RAPID TRANSIT SYSTEMS  
 REGIONAL PLANNING  
 STREETS  
 TRANSPORTATION  
 TRANSPORTATION NETWORKS  
 URBAN PLANNING

**HIJACKING**

USE AIR PIRACY

**HILBERT SPACE**

GS ALGEBRA  
 . VECTOR SPACES  
 . . BANACH SPACE  
 . . . HILBERT SPACE  
 . . . . SOBOLEV SPACE  
 ANALYSIS (MATHEMATICS)  
 . FUNCTION SPACE  
 . . BANACH SPACE  
 . . . HILBERT SPACE  
 . . . . SOBOLEV SPACE  
 . FUNCTIONAL ANALYSIS  
 . . BANACH SPACE  
 . . . HILBERT SPACE  
 . . . . SOBOLEV SPACE

**HILBERT TRANSFORMATION**

GS ANALYSIS (MATHEMATICS)  
 . FUNCTIONAL ANALYSIS  
 . . INTEGRAL TRANSFORMATIONS  
 . . . HILBERT TRANSFORMATION  
 TRANSFORMATIONS (MATHEMATICS)  
 . INTEGRAL TRANSFORMATIONS  
 . . HILBERT TRANSFORMATION

**HILL CURVES**

USE HILL METHOD

**HILL DETERMINANT**

GS ANALYSIS (MATHEMATICS)  
 . HILL DETERMINANT  
 RT DIFFERENTIAL EQUATIONS  
 EIGENVALUES  
 MATHIEU FUNCTION

**HILL LUNAR THEORY**

RT EARTH ORBITS  
 ORBITAL MECHANICS  
 PERTURBATION THEORY  
 ∞ THEORIES

**HILL METHOD**

UF HILL CURVES  
 RT EARTH ORBITS  
 ∞ METHODOLOGY  
 ORBITAL MECHANICS  
 PERTURBATION THEORY

**HILLER AIRCRAFT**

UF HILLER MILITARY AIRCRAFT  
 GS HILLER AIRCRAFT  
 . OH-5 HELICOPTER  
 RT ∞ AIRCRAFT

**HILLER MILITARY AIRCRAFT**

USE HILLER AIRCRAFT  
 MILITARY AIRCRAFT

**HILSCH TUBES**

UF VORTEX TUBES  
 RT COAXIAL FLOW  
 COOLING  
 HEATING  
 ∞ TUBES  
 VORTEX GENERATORS  
 VORTICES

**HIMALAYAS**

GS LANDFORMS  
 . MOUNTAINS  
 . . HIMALAYAS  
 RT ASIA  
 BHUTAN  
 INDIA  
 PAKISTAN  
 SIKKIM  
 TIBET

## HIMAT

**HIMAT**  
USE HIGHLY MANEUVERABLE AIRCRAFT

**HINDRANCE**  
USE CONSTRAINTS

**HINGE MOMENTS**  
USE TORQUE

**HINGED ROTOR BLADES**  
USE HINGES  
ROTARY WINGS

**HINGELESS ROTORS**  
USE RIGID ROTORS

**HINGES**  
UF HINGED ROTOR BLADES  
GS **HINGES**  
FLAPPING HINGES  
RT BEARINGLESS ROTORS  
PIVOTS  
SWIVELS

**HIP (PROCESS)**  
USE HOT ISOSTATIC PRESSING

**HIPPARCOS SATELLITE**  
GS ARTIFICIAL SATELLITES  
ESA SATELLITES  
HIPPARCOS SATELLITE  
ESA SPACECRAFT  
ESA SATELLITES  
HIPPARCOS SATELLITE  
RT ASTROMETRY  
EUROPEAN SPACE PROGRAMS  
SPACEBORNE ASTRONOMY  
STELLAR MOTIONS  
STELLAR PARALLAX

**HIPPOCAMPUS**  
GS ANATOMY  
NERVOUS SYSTEM  
CENTRAL NERVOUS SYSTEM  
BRAIN  
HIPPOCAMPUS

**HIPPURIC ACID**  
GS ACIDS  
AMINO ACIDS  
HIPPURIC ACID  
ORGANIC COMPOUNDS  
AMINO ACIDS  
HIPPURIC ACID

**HIS BUNDLE**  
RT CARDIAC AURICLES  
CARDIAC VENTRICLES  
ELECTROPHYSIOLOGY  
HEART DISEASES  
HEART FUNCTION  
NERVES

**HISS**  
GS ELECTROMAGNETIC INTERFERENCE  
RADIO FREQUENCY INTERFERENCE  
ELECTROMAGNETIC NOISE  
ATMOSPHERICS  
IONOSPHERICS  
HISS

**HISTAMINES**  
GS DRUGS  
HISTAMINES  
RT AMINES  
ANTIHISTAMINICS  
ITCHING

**HISTIDINE**  
GS ACIDS  
AMINO ACIDS  
HISTIDINE  
AMINES  
HISTIDINE  
ORGANIC COMPOUNDS  
AMINO ACIDS  
HISTIDINE

**HISTOCHEMICAL ANALYSIS**  
RT BIOASSAY  
BIOCHEMISTRY  
CELLS (BIOLOGY)  
ORGANIC CHEMISTRY  
TISSUES (BIOLOGY)

**HISTOGRAMS**  
RT DISCRETE FUNCTIONS  
GRAPHS (CHARTS)  
NORMAL DENSITY FUNCTIONS

**HISTOLOGY**  
GS MEDICAL SCIENCE  
HISTOLOGY  
RT EPITHELIUM  
MORPHOLOGY  
PLATELETS

**HISTORIES**  
GS HISTORIES  
CASE HISTORIES  
DOCUMENTATION  
MUSEUMS  
PALEONTOLOGY  
PEACETIME  
RECORDS

**HITAB PROGRAM**  
USE HIGH ALT TARGET AND BACKGROUND  
MEASUREMENT

**HIVOS (SIMULATOR)**  
USE HIGH VACUUM ORBITAL SIMULATOR

**HL-10 REENTRY VEHICLE**  
GS GLIDERS  
HL-10 REENTRY VEHICLE  
LIFTING BODIES  
LIFTING REENTRY VEHICLES  
HL-10 REENTRY VEHICLE  
REENTRY VEHICLES  
MANEUVERABLE REENTRY BODIES  
LIFTING REENTRY VEHICLES  
HL-10 REENTRY VEHICLE  
RT HYPERSONIC GLIDERS

**HLD-35 REENTRY VEHICLE**  
GS LIFTING BODIES  
LIFTING REENTRY VEHICLES  
HLD-35 REENTRY VEHICLE  
REENTRY VEHICLES  
MANEUVERABLE REENTRY BODIES  
LIFTING REENTRY VEHICLES  
HLD-35 REENTRY VEHICLE  
RT HYPERSONIC GLIDERS

**HLLV**  
USE HEAVY LIFT LAUNCH VEHICLES

**HMX**  
UF CYCLOTETRAMETHYLENE  
TETRANITRAMINE  
GS TETRANITROTETRAZACYCLOOCTANE  
EXPLOSIVES  
HMX  
NITROGEN COMPOUNDS  
AZO COMPOUNDS  
HMX  
ORGANIC COMPOUNDS  
CYCLIC COMPOUNDS  
HETEROCYCLIC COMPOUNDS  
HMX  
PROPELLANTS  
SOLID PROPELLANTS  
SOLID ROCKET PROPELLANTS  
HMX  
PYROTECHNICS  
HMX

**HNPF (HALLAM NUCLEAR POWER FACILITY)**  
USE HALLAM NUCLEAR POWER FACILITY

**HNST**  
USE HEXANITROSTILBENE

**HO-4 HELICOPTER**  
USE OH-4 HELICOPTER

**HO-5 HELICOPTER**  
USE OH-5 HELICOPTER

**HO-6 HELICOPTER**  
USE OH-6 HELICOPTER

**HODOGRAPHS**  
RT CHAPLYGIN EQUATION  
KINEMATICS  
VECTOR SPACES

**HODOSCOPES**  
GS MEASURING INSTRUMENTS  
RADIATION MEASURING INSTRUMENTS  
HODOSCOPES  
RT RADIATION COUNTERS

**HOGBACKS**  
USE RIDGES

**HOHLRAUMS**  
RT BLACK BODY RADIATION  
EMISSION

**HOHMANN TRAJECTORIES**  
USE ELLIPTICAL ORBITS  
TRANSFER ORBITS

**HOHMANN TRANSFER ORBITS**  
USE ELLIPTICAL ORBITS  
TRANSFER ORBITS

**HOLDERS**  
GS **HOLDERS**  
FLAME HOLDERS  
RT ANCHORS (FASTENERS)  
BANDS  
BOLTS  
BRACKETS  
CLAMPS  
CLIPS  
FASTENERS  
JIGS  
LATCHES  
LUGS  
MECHANICAL DEVICES  
NUTS (FASTENERS)  
PINS  
POSITIONING DEVICES (MACHINERY)  
RIVETS  
SCREWS  
SPIKES  
SPLINES  
STRAPS  
STUDS (STRUCTURAL MEMBERS)  
ZIPPER

**HOLDING**  
SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT CONSTRAINTS  
DELAY  
RETAINING  
STOPPING

**HOLE BURNING**  
RT COMPUTER STORAGE DEVICES  
HOLOGRAPHY  
LASER APPLICATIONS  
LASERS  
LASING  
MEMORY (COMPUTERS)

**HOLE DISTRIBUTION**  
SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT CURRENT DISTRIBUTION  
HOLE DISTRIBUTION (ELECTRONICS)  
HOLE DISTRIBUTION (MECHANICS)

**HOLE DISTRIBUTION (ELECTRONICS)**  
GS DISTRIBUTION (PROPERTY)  
HOLE DISTRIBUTION (ELECTRONICS)  
RT CHARGE DISTRIBUTION  
CURRENT DISTRIBUTION  
HOLE DISTRIBUTION  
HOLES (ELECTRON DEFICIENCIES)  
SEMICONDUCTORS (MATERIALS)

**HOLE DISTRIBUTION (MECHANICS)**  
GS DISTRIBUTION (PROPERTY)  
HOLE DISTRIBUTION (MECHANICS)  
RT CAVITIES  
HOLE DISTRIBUTION  
PERFORATED SHELLS  
POROSITY  
STRESS CONCENTRATION  
VOID RATIO

**HOLE GEOMETRY (MECHANICS)**  
RT FRACTURE MECHANICS  
PERFORATED PLATES  
PERFORATED SHELLS

## HOMOMORPHISMS

**HOLE GEOMETRY (MECHANICS)-(CONT.)**  
 STRESS CONCENTRATION  
 STRESS INTENSITY FACTORS  
 STRUCTURAL ANALYSIS

**HOLE MOBILITY**  
 GS ELECTRICAL PROPERTIES  
 . CARRIER MOBILITY  
 . . **HOLE MOBILITY**  
 MOBILITY  
 . CARRIER MOBILITY  
 . . **HOLE MOBILITY**  
 TRANSPORT PROPERTIES  
 . CARRIER MOBILITY  
 . . **HOLE MOBILITY**  
 RT ATOMIC MOBILITIES  
 CHARGE CARRIERS  
 ELECTROMIGRATION  
 ELECTRON MOBILITY  
 HOLES (ELECTRON DEFICIENCIES)  
 ∞ SOLID STATE PHYSICS

**∞ HOLES**  
 SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT BOREHOLES  
 CAVITIES  
 CORONAL HOLES  
 GAPS  
 HOLES (ELECTRON DEFICIENCIES)

**HOLES (ELECTRON DEFICIENCIES)**  
 GS CHARGE CARRIERS  
 . **HOLES (ELECTRON DEFICIENCIES)**  
 RT ACCEPTOR MATERIALS  
 CRYSTAL DEFECTS  
 DONOR MATERIALS  
 ELECTRONS  
 EXCITONS  
 HOLE DISTRIBUTION (ELECTRONICS)  
 HOLE MOBILITY  
 ∞ HOLES  
 MAJORITY CARRIERS  
 ∞ MATERIALS  
 MINORITY CARRIERS  
 ORDER-DISORDER TRANSFORMATIONS  
 P-TYPE SEMICONDUCTORS  
 SEMICONDUCTOR PLASMAS  
 SEMICONDUCTORS (MATERIALS)  
 SUHL EFFECT  
 VACANCIES (CRYSTAL DEFECTS)

**HOLLAND**  
 USE NETHERLANDS

**∞ HOLLOW**  
 SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT CAVITIES  
 ∞ DEPRESSION  
 RECESSES

**HOLLOW CATHODES**  
 GS ELECTRODES  
 . CATHODES  
 . . **HOLLOW CATHODES**  
 RT TUBE CATHODES  
 TUNNEL CATHODES

**HOLMIUM**  
 GS CHEMICAL ELEMENTS  
 . RARE EARTH ELEMENTS  
 . . **HOLMIUM**  
 . . . HOLMIUM ISOTOPES  
 METALS  
 . RARE EARTH ELEMENTS  
 . . **HOLMIUM**  
 . . . HOLMIUM ISOTOPES

**HOLMIUM ISOTOPES**  
 GS CHEMICAL ELEMENTS  
 . NUCLIDES  
 . ISOTOPES  
 . . **HOLMIUM ISOTOPES**  
 . RARE EARTH ELEMENTS  
 . . HOLMIUM  
 . . . **HOLMIUM ISOTOPES**  
 METALS  
 . RARE EARTH ELEMENTS  
 . . HOLMIUM  
 . . . **HOLMIUM ISOTOPES**

**HOLOGRAMMETRY**  
 RT HOLOGRAPHY  
 IMAGING TECHNIQUES  
 PHOTOGRAPHIC RECORDING  
 PHOTOMAPPING  
 SPECKLE HOLOGRAPHY  
 TERRAIN ANALYSIS

**HOLOGRAPHIC INTERFEROMETRY**  
 GS INTERFEROMETRY  
 . **HOLOGRAPHIC INTERFEROMETRY**  
 RT COHERENT LIGHT  
 DIFFRACTION PATTERNS  
 HOLOGRAPHY  
 LASER OUTPUTS  
 MOIRE INTERFEROMETRY  
 SCATTER PLATES (OPTICS)  
 SPECKLE HOLOGRAPHY  
 WAVE FRONT RECONSTRUCTION

**HOLOGRAPHIC SPECTROSCOPY**  
 GS SPECTROSCOPY  
 . **HOLOGRAPHIC SPECTROSCOPY**  
 RT FOURIER TRANSFORMATION  
 HOLOGRAPHY  
 SPECTRUM ANALYSIS  
 WAVE FRONT RECONSTRUCTION

**HOLOGRAPHIC SUBTRACTION**  
 UF SELF SUBTRACTION HOLOGRAPHY  
 RT HOLOGRAPHY

**HOLOGRAPHY**  
 GS IMAGERY  
 . **HOLOGRAPHY**  
 . . ACOUSTICAL HOLOGRAPHY  
 . . MICROWAVE HOLOGRAPHY  
 . . SPECKLE HOLOGRAPHY  
 . . WHITE LIGHT HOLOGRAPHY  
 PHOTOGRAPHY  
 . **HOLOGRAPHY**  
 . . ACOUSTICAL HOLOGRAPHY  
 . . MICROWAVE HOLOGRAPHY  
 . . SPECKLE HOLOGRAPHY  
 . . WHITE LIGHT HOLOGRAPHY  
 RT COHERENT ELECTROMAGNETIC  
 RADIATION  
 COHERENT LIGHT  
 DATA STORAGE  
 DIFFERENTIAL INTERFEROMETRY  
 HOLE BURNING  
 HOLOGRAMMETRY  
 HOLOGRAPHIC INTERFEROMETRY  
 HOLOGRAPHIC SPECTROSCOPY  
 HOLOGRAPHIC SUBTRACTION  
 IMAGE CORRELATORS  
 IMAGE RECONSTRUCTION  
 KINOFORM  
 LASERS  
 OPTICAL MEMORY (DATA STORAGE)  
 SCATTER PLATES (OPTICS)  
 SPATIAL FILTERING  
 SPECKLE PATTERNS  
 WAVE FRONT RECONSTRUCTION

**HOLOMORPHISM**  
 USE ANALYTIC FUNCTIONS

**HOMEOSTASIS**  
 RT ACCLIMATIZATION  
 ACID BASE EQUILIBRIUM  
 ADAPTATION  
 BODY TEMPERATURE  
 COLD TOLERANCE  
 COLLOIDS  
 ∞ EQUILIBRIUM  
 FIBRINOGEN  
 HORMONES  
 METABOLISM  
 NERVOUS SYSTEM  
 OSMOSIS  
 PHYSIOLOGY  
 RESPIRATORY SYSTEM  
 SKIN (ANATOMY)  
 STRESS (PHYSIOLOGY)  
 THERMOREGULATION  
 THROMBOPLASTIN  
 WATER BALANCE

**HOMEOTHERMS**  
 UF WARM BLOODED ANIMALS  
 GS ANIMALS  
 . **HOMEOTHERMS**  
 RT BIRDS  
 BODY TEMPERATURE

**HOMEOTHERMS-(CONT.)**  
 MAMMALS  
 VERTEBRATES

**HOMING**  
 RT AUTOMATIC PILOTS  
 BEACONS  
 GUIDANCE (MOTION)  
 MISSILE CONTROL  
 RADIO DIRECTION FINDERS  
 TERMINAL GUIDANCE

**HOMING DEVICES**  
 UF SEEKERS  
 RT BEACONS  
 GUIDANCE (MOTION)  
 INFRARED TRACKING  
 LASER GUIDANCE  
 MISSILES  
 NAVIGATION  
 NAVIGATION AIDS  
 RADIO BEACONS  
 RADIO DIRECTION FINDERS  
 RADIO NAVIGATION  
 RENDEZVOUS GUIDANCE  
 SOLAR COMPASSES  
 TRAJECTORY CONTROL

**HOMODYNE RECEPTION**  
 RT FREQUENCY SYNCHRONIZATION  
 RADIO RECEPTION  
 SIGNAL RECEPTION

**HOMOGENEITY**  
 RT ANISOTROPIC MEDIA  
 HOMOGENIZING  
 SAMPLING  
 STATISTICAL TESTS  
 UNITY  
 VARIANCE (STATISTICS)

**HOMOGENEOUS TURBULENCE**  
 GS TURBULENCE  
 . **HOMOGENEOUS TURBULENCE**  
 RT ATMOSPHERIC TURBULENCE  
 FLUCTUATION THEORY  
 ISOTROPIC TURBULENCE  
 LOW LEVEL TURBULENCE  
 MAGNETOHYDRODYNAMIC TURBULENCE

**HOMOGENIZATION**  
 USE HOMOGENIZING

**HOMOGENIZING**  
 UF HOMOGENIZATION  
 GS MIXING  
 . **HOMOGENIZING**  
 RT AGITATION  
 COLLOIDING  
 COMPOUNDING  
 DISPERSING  
 DISSOLVING  
 HOMOGENEITY  
 PREMIXING  
 ∞ SEPARATION  
 SUSPENDING (MIXING)

**HOMOJUNCTIONS**  
 GS SEMICONDUCTOR JUNCTIONS  
 . **HOMOJUNCTIONS**  
 RT HETEROJUNCTION DEVICES  
 HETEROJUNCTIONS  
 SILICON JUNCTIONS  
 SOLAR CELLS

**HOMOLOGY**  
 UF COHOMOLOGY  
 RT ANALOGIES  
 DUALITY THEOREM  
 MATCHING  
 ∞ RELATIONSHIPS  
 TOPOLOGY

**HOMOMORPHISMS**  
 GS ALGEBRA  
 . GROUP THEORY  
 . . **HOMOMORPHISMS**  
 . . . AUTOMORPHISMS  
 . . . MONOIDS  
 . . . SUBGROUPS  
 RT FIELD THEORY (ALGEBRA)  
 ISOMORPHISM

## HOMOPOLAR GENERATORS

### HOMOPOLAR GENERATORS

- GS ELECTRIC GENERATORS
  - . ROTATING GENERATORS
  - . . . **HOMOPOLAR GENERATORS**
- RT DIRECT CURRENT
  - ∞ ELECTRIC EQUIPMENT
  - ELECTROMECHANICAL DEVICES
  - ∞ GENERATORS

### HOMOSPHERE

- GS EARTH ATMOSPHERE
  - . **HOMOSPHERE**
- RT BIOSPHERE
  - . CHEMOSPHERE
  - EARTH IONOSPHERE
  - LOWER ATMOSPHERE
  - MESOSPHERE
  - MIDDLE ATMOSPHERE
  - OZONOSPHERE
  - STRATOSPHERE
  - THERMOSPHERE
  - TROPOSPHERE
  - UPPER ATMOSPHERE

### HOMOTOPY THEORY

- GS GEOMETRY
  - . TOPOLOGY
  - . . . **HOMOTOPY THEORY**
- RT CURVES (GEOMETRY)
  - FIBERS (MATHEMATICS)
  - ∞ THEORIES

### HOMOTROPY

- RT ALGEBRA
  - PROBLEM SOLVING
  - SET THEORY
  - TOPOLOGY

### HONDURAS

- GS NATIONS
  - . **HONDURAS**
- RT CENTRAL AMERICA

### HONEST JOHN ROCKET VEHICLE

- GS ROCKET VEHICLES
  - . SINGLE STAGE ROCKET VEHICLES
  - . . . **HONEST JOHN ROCKET VEHICLE**
  - . SURFACE TO SURFACE ROCKETS
  - . . . **HONEST JOHN ROCKET VEHICLE**
- RT ARGO ROCKET VEHICLES
  - EXOS SOUNDING ROCKET
  - HERCULES ENGINE
  - SOLID PROPELLANT ROCKET ENGINES
  - TRAILBLAZER 1 REENTRY VEHICLE

### HONEYCOMB CORES

- GS CORES
  - . **HONEYCOMB CORES**
  - HONEYCOMB STRUCTURES
  - . **HONEYCOMB CORES**
- RT CERAMIC HONEYCOMBS
  - COMPOSITE STRUCTURES
  - LOW DENSITY MATERIALS
  - SANDWICH STRUCTURES

### HONEYCOMB STRUCTURES

- GS **HONEYCOMB STRUCTURES**
  - . HONEYCOMB CORES
- RT ∞ CELLS
  - CERAMIC HONEYCOMBS
  - COMPOSITE STRUCTURES
  - HEXAGONAL CELLS
  - INSULATION
  - LAMINATES
  - LOW DENSITY MATERIALS
  - METAL FOILS
  - POROUS MATERIALS
  - SANDWICH STRUCTURES
  - ∞ STRUCTURES

### HONEYWELL ADEPT COMPUTER

- GS DATA PROCESSING EQUIPMENT
  - . COMPUTERS
  - . . . DIGITAL COMPUTERS
  - . . . HONEYWELL COMPUTERS
  - . . . **HONEYWELL ADEPT COMPUTER**

### HONEYWELL COMPUTERS

- GS DATA PROCESSING EQUIPMENT
  - . COMPUTERS
  - . . . DIGITAL COMPUTERS
  - . . . **HONEYWELL COMPUTERS**
  - . . . DDP 516 COMPUTER
  - . . . HONEYWELL ADEPT COMPUTER

### HONEYWELL COMPUTERS-(CONT.)

- . . . HONEYWELL DDP 116 COMPUTER
- . . . HONEYWELL 600/6000 COMPUTER

### HONEYWELL DDP 116 COMPUTER

- GS DATA PROCESSING EQUIPMENT
  - . COMPUTERS
  - . . . DIGITAL COMPUTERS
  - . . . HONEYWELL COMPUTERS
  - . . . **HONEYWELL DDP 116 COMPUTER**

### HONEYWELL 600/6000 COMPUTER

- GS DATA PROCESSING EQUIPMENT
  - . COMPUTERS
  - . . . ANALOG COMPUTERS
  - . . . **HONEYWELL 600/6000 COMPUTER**
  - . . . DIGITAL COMPUTERS
  - . . . HONEYWELL COMPUTERS
  - . . . **HONEYWELL 600/6000 COMPUTER**

### HONG KONG

- RT ASIA
  - . CHINA
  - NATIONS
  - TAIWAN

### HONING

- RT SCRAPERS
  - SMOOTHING

### HOOKE'S LAW

- GS LAWS
  - . **HOOKE'S LAW**
- RT ELASTIC PROPERTIES
  - FIBER STRENGTH
  - MAXWELL BODIES
  - MODULUS OF ELASTICITY
  - SHEAR PROPERTIES
  - STRESS-STRAIN DIAGRAMS

### HOOKS

- RT FASTENERS
  - FORKS
  - SWIVELS

### HOOP COLUMN ANTENNAS

- GS ANTENNAS
  - . **HOOP COLUMN ANTENNAS**
- RT LARGE SPACE STRUCTURES
  - SATELLITE COMMUNICATION
  - SPACECRAFT COMMUNICATION

### HOOPS

- RT RING STRUCTURES
  - TENSILE STRESS

### HOPCALITE (TRADEMARK)

- GS CATALYSTS
  - . **HOPCALITE (TRADEMARK)**
  - CHALCOGENIDES
  - . OXIDES
    - . . . METAL OXIDES
    - . . . MANGANESE OXIDES
    - . . . **HOPCALITE (TRADEMARK)**
  - MANGANESE COMPOUNDS
  - . MANGANESE OXIDES
  - . . . **HOPCALITE (TRADEMARK)**
- RT AIR PURIFICATION
  - CARBON MONOXIDE
  - GAS ANALYSIS

### HOPPERS

- RT ∞ CONTAINERS
  - MATERIALS HANDLING
  - PACKAGING

### HORIZON

- GS **HORIZON**
  - . RADIO HORIZONS
  - CELESTIAL SPHERE
  - GYRO HORIZONS
  - RANGE (EXTREMES)
- RT

### HORIZON SCANNERS

- UF HORIZON SENSING
  - INFRARED HORIZON SCANNERS
- GS FLIGHT INSTRUMENTS
  - . **HORIZON SCANNERS**
  - SCANNERS
  - . **HORIZON SCANNERS**
- RT ATTITUDE CONTROL
  - INFRARED SCANNERS
  - NAVIGATION INSTRUMENTS
  - OPTICAL EQUIPMENT

### HORIZON SCANNERS-(CONT.)

- PHOTOMETERS
- RADIO HORIZONS
- RADIOMETERS
- SCANNER PROJECT

### HORIZON SENSING

- USE HORIZON SCANNERS

### HORIZONTAL BRANCH STARS

- GS CELESTIAL BODIES
  - . STAR CLUSTERS
  - . . . GLOBULAR CLUSTERS
  - . . . **HORIZONTAL BRANCH STARS**
- RT COLOR-MAGNITUDE DIAGRAM
  - HERTZSPRUNG-RUSSELL DIAGRAM
  - STELLAR EVOLUTION
  - STELLAR LUMINOSITY
  - STELLAR SPECTRA
  - STELLAR SPECTROPHOTOMETRY

### HORIZONTAL FLIGHT

- RT AERODYNAMIC BALANCE
  - AIRCRAFT STABILITY
  - CLIMBING FLIGHT
  - CRUISING FLIGHT
  - ∞ FLIGHT
  - FLIGHT PATHS
  - ROCKET FLIGHT
  - SOARING
  - TURNING FLIGHT

### HORIZONTAL ORIENTATION

- RT ALIGNMENT
  - ATTITUDE (INCLINATION)
  - DIRECTIONAL STABILITY
  - DYNAMIC STABILITY
  - ∞ ORIENTATION
  - STABILIZATION
  - VERTICAL ORIENTATION

### HORIZONTAL SPACECRAFT LANDING

- GS LANDING
  - . GLIDE LANDINGS
  - . . . **HORIZONTAL SPACECRAFT LANDING**
  - . SPACECRAFT LANDING
  - . . . **HORIZONTAL SPACECRAFT LANDING**
- RT APPROACH AND LANDING TESTS (STS)
  - CRASH LANDING
  - PLANETARY LANDING
  - SOFT LANDING
  - WATER LANDING

### HORIZONTAL STABILIZERS

- USE STABILIZERS (FLUID DYNAMICS)

### HORIZONTAL TAIL SURFACES

- UF TAIL PLANES
- GS AIRFOILS
  - . **HORIZONTAL TAIL SURFACES**
  - CONTROL SURFACES
  - . **HORIZONTAL TAIL SURFACES**
  - STABILIZERS (FLUID DYNAMICS)
  - . **HORIZONTAL TAIL SURFACES**
  - TAIL SURFACES
  - . **HORIZONTAL TAIL SURFACES**
- RT AERIAL RUDDERS
  - ELEVATORS (CONTROL SURFACES)
  - ∞ SURFACES
  - TAIL ASSEMBLIES
  - TRAPEZOIDAL TAIL SURFACES

### HORMONE METABOLISMS

- GS METABOLISM
  - . **HORMONE METABOLISMS**
- RT HORMONES

### HORMONES

- GS SECRETIONS
  - . ENDOCRINE SECRETIONS
  - . . . **HORMONES**
  - . . . CORTICOSTEROIDS
  - . . . ALDOSTERONE
  - . . . HYDROXYCORTICOSTEROID
  - . . . CORTISONE
  - . . . ESTROGENS
  - . . . HYPERTENSIN
  - . . . PITUITARY HORMONES
  - . . . ADRENOCORTICOTROPIN (ACTH)
  - . . . PROSTAGLANDINS
  - . . . THYROXINE
- RT CATECHOLAMINE
  - ENDOCRINE SYSTEMS
  - HOMEOSTASIS

## HOTOL LAUNCH VEHICLE

### HORMONES-(CONT.)

HORMONE METABOLISMS  
REGULATORY MECHANISMS (BIOLOGY)  
STEROIDS

### HORN ANTENNAS

GS ANTENNAS  
. DIRECTIONAL ANTENNAS  
. . . **HORN ANTENNAS**  
. RADIO ANTENNAS  
. . . MICROWAVE ANTENNAS  
. . . . **HORN ANTENNAS**  
. WAVEGUIDE ANTENNAS  
. . . **HORN ANTENNAS**  
MICROWAVE EQUIPMENT  
. MICROWAVE ANTENNAS  
. . . **HORN ANTENNAS**  
RADIO EQUIPMENT  
. RADIO ANTENNAS  
. . . MICROWAVE ANTENNAS  
. . . . **HORN ANTENNAS**  
RT ANTENNA DESIGN  
LENS ANTENNAS  
PARABOLIC ANTENNAS  
RADAR ANTENNAS  
SCHELKUNOFF PRINCIPLE  
SIDELOBE REDUCTION  
SLOT ANTENNAS

### HORNS

RT AUDITORY SIGNALS  
SCHWARZSCHILD ANTENNAS  
∞ SIGNALS  
SIRENS  
SOUND GENERATORS  
WARNING  
WARNING SYSTEMS

### HORSEPOWER

RT PHYSICAL WORK  
∞ POWER  
POWER EFFICIENCY  
WORK

### HORSES

GS ANIMALS  
. VERTEBRATES  
. . . MAMMALS  
. . . . **HORSES**  
RT GRAZING  
LIVESTOCK

### HOSES

RT PIPES (TUBES)  
∞ TUBES

### HOSPITALS

RT EVACUATING (TRANSPORTATION)  
MEDICAL EQUIPMENT

### HOT AIR

USE HIGH TEMPERATURE AIR

### HOT ATOMS

GS ATOMS  
. **HOT ATOMS**  
RT BETA PARTICLES  
DECAY  
NEUTRON DECAY

### HOT CATHODES

GS ELECTRODES  
. CATHODES  
. . . TUBE CATHODES  
. . . . **HOT CATHODES**  
RT BAYARD-ALPERT IONIZATION GAGES  
IONIZATION GAGES  
THERMIONIC CATHODES

### HOT CORROSION

GS CORROSION  
. **HOT CORROSION**  
RT COATINGS  
DAMAGE  
DEGRADATION  
DETERIORATION  
EROSION  
GAS-METAL INTERACTIONS  
METAL COATINGS  
OXIDATION  
PITTING  
RUSTING  
SCALE (CORROSION)  
SURFACE PROPERTIES

### HOT CORROSION-(CONT.)

TEMPERATURE DEPENDENCE

### HOT CYCLE PROPULSION SYSTEM

USE TIP DRIVEN ROTORS

### HOT ELECTRONS

GS PARTICLES  
. CHARGED PARTICLES  
. . . ENERGETIC PARTICLES  
. . . . ELECTRONS  
. . . . **HOT ELECTRONS**

### HOT EXTRUDING

USE EXTRUDING

### HOT FORMING

USE HOT WORKING

### HOT GAS SYSTEMS

USE HIGH TEMPERATURE GASES

### HOT GASES

USE HIGH TEMPERATURE GASES

### HOT ISOSTATIC PRESSING

UF HIP (PROCESS)  
GS HARDENING (MATERIALS)  
. HOT PRESSING  
. . . **HOT ISOSTATIC PRESSING**  
THERMOMECHANICAL TREATMENT  
. HOT PRESSING  
. . . **HOT ISOSTATIC PRESSING**  
RT COINING  
COLD PRESSING  
COMPACTING  
FORGING  
ISOSTATIC PRESSURE  
METAL WORKING  
∞ PRESSING  
PRESSING (FORMING)  
SINTERING  
STAMPING  
UPSETTING

### HOT JET EXHAUST

USE HIGH TEMPERATURE GASES  
JET EXHAUST

### HOT JETS

USE JET FLOW

### HOT MACHINING

GS MACHINING  
. **HOT MACHINING**  
RT FORMING TECHNIQUES

### HOT PLASMAS

USE HIGH TEMPERATURE PLASMAS

### HOT PRESSING

GS HARDENING (MATERIALS)  
. **HOT PRESSING**  
. . . HOT ISOSTATIC PRESSING  
THERMOMECHANICAL TREATMENT  
. **HOT PRESSING**  
. . . HOT ISOSTATIC PRESSING  
RT COINING  
COLD PRESSING  
COMPACTING  
FORGING  
METAL WORKING  
∞ PRESSING  
PRESSING (FORMING)  
SINTERING  
STAMPING  
UPSETTING

### HOT STARS

GS CELESTIAL BODIES  
. STARS  
. . . EARLY STARS  
. . . . **HOT STARS**  
. . . . A STARS  
. . . . B STARS  
. . . . . SIGMA ORIONIS  
. . . . . BLUE STARS  
. . . . . O STARS  
. . . . . WHITE DWARF STARS  
. . . . . WOLF-RAYET STARS  
RT CATAclysmic VARIABLES  
PECULIAR STARS  
RED DWARF STARS

### HOT SURFACES

RT HEAT TRANSFER  
RAYLEIGH-BENARD CONVECTION  
∞ SURFACES

### HOT WATER ROCKET ENGINES

GS ENGINES  
. ROCKET ENGINES  
. . . **HOT WATER ROCKET ENGINES**

### HOT WEATHER

GS WEATHER  
. **HOT WEATHER**  
RT HEAT STROKE  
SUMMER  
TROPICAL REGIONS

### HOT WORKING

UF HOT FORMING  
GS FORMING TECHNIQUES  
. **HOT WORKING**  
. . . AUSFORMING  
RT BULGING  
FORGING  
METAL DRAWING  
METAL SPINNING  
METAL WORKING  
PULTRUSION  
SHEARING  
UPSETTING

### HOT-FILM ANEMOMETERS

GS MEASURING INSTRUMENTS  
. ANEMOMETERS  
. . . **HOT-FILM ANEMOMETERS**  
RT FLOW MEASUREMENT  
METEOROLOGICAL INSTRUMENTS  
SONIC ANEMOMETERS  
VELOCITY MEASUREMENT  
WIND (METEOROLOGY)  
WIND MEASUREMENT  
WIND VANES  
WIND VELOCITY  
WIND VELOCITY MEASUREMENT

### HOT-WIRE ANEMOMETERS

GS MEASURING INSTRUMENTS  
. ANEMOMETERS  
. . . **HOT-WIRE ANEMOMETERS**  
RT FLOW MEASUREMENT  
FLOWMETERS  
METEOROLOGICAL INSTRUMENTS  
VELOCITY MEASUREMENT

### HOT-WIRE FLOWMETERS

UF HOT-WIRE TURBULENCE METERS  
GS MEASURING INSTRUMENTS  
. FLOWMETERS  
. . . **HOT-WIRE FLOWMETERS**  
RT PIRANI GAGES  
PLASMA ELECTRODES  
THERMAL CONDUCTIVITY  
TURBULENCE METERS

### HOT-WIRE TURBULENCE METERS

USE HOT-WIRE FLOWMETERS  
TURBULENCE METERS

### HOTOL LAUNCH VEHICLE

GS AEROSPACE VEHICLES  
. AEROSPACE PLANES  
. . . **HOTOL LAUNCH VEHICLE**  
LAUNCH VEHICLES  
. REUSABLE LAUNCH VEHICLES  
. . . SINGLE STAGE TO ORBIT VEHICLES  
. . . . **HOTOL LAUNCH VEHICLE**  
MANEUVERABLE SPACECRAFT  
. AEROSPACE PLANES  
. . . **HOTOL LAUNCH VEHICLE**  
MANNED SPACECRAFT  
. AEROSPACE PLANES  
. . . **HOTOL LAUNCH VEHICLE**  
REENTRY VEHICLES  
. RECOVERABLE SPACECRAFT  
. . . REUSABLE SPACECRAFT  
. . . . AEROSPACE PLANES  
. . . . . **HOTOL LAUNCH VEHICLE**  
SOFT LANDING SPACECRAFT  
. AEROSPACE PLANES  
. . . **HOTOL LAUNCH VEHICLE**  
UNMANNED SPACECRAFT  
. **HOTOL LAUNCH VEHICLE**  
LAUNCH VEHICLE CONFIGURATIONS  
SPACE SHUTTLES  
SPACE TRANSPORTATION



## HOTSHOT WIND TUNNELS

**HOTOL LAUNCH VEHICLE-(CONT.)**  
SPACECRAFT LAUNCHING  
UK SPACE PROGRAM  
∞ VEHICLES

**HOTSHOT WIND TUNNELS**  
GS TEST FACILITIES  
WIND TUNNELS  
HYPERSONIC WIND TUNNELS  
HOTSHOT WIND TUNNELS  
HYPERVELOCITY WIND TUNNELS  
HOTSHOT WIND TUNNELS  
RT BLOWDOWN WIND TUNNELS  
SHOCK TUBES  
SHOCK TUNNELS

**HOUND DOG MISSILE**  
GS MISSILES  
AIR TO SURFACE MISSILES  
HOUND DOG MISSILE  
RT TURBOJET ENGINES

**HOUSEHOLDER TRANSFORMATIONS**  
GS TRANSFORMATIONS (MATHEMATICS)  
HOUSEHOLDER TRANSFORMATIONS  
RT PROBLEM SOLVING

**HOUSEKEEPING (SPACECRAFT)**  
GS CLEANING  
HOUSEKEEPING (SPACECRAFT)  
CLEANLINESS  
HOUSEKEEPING (SPACECRAFT)  
RT HYGIENE  
SANITATION  
STERILIZATION  
WASHING

**HOUSINGS**  
GS HOUSINGS  
COWLINGS  
DOGHOUSES (ELECTRONICS)  
RADOMES  
RT ∞ CONTAINERS  
COVERINGS  
DOMES (STRUCTURAL FORMS)  
ENCLOSURE  
ENCLOSURES  
FAIRINGS  
GUARDS (SHIELDS)  
NACELLES  
PERFORATED SHELLS  
PROTECTION  
PROTECTORS  
PROTUBERANCES  
SHELLS (STRUCTURAL FORMS)  
SHIELDING  
WALLS

**HOUSTON (TX)**  
GS CITIES  
HOUSTON (TX)  
RT TEXAS

**HOVERCRAFT**  
USE GROUND EFFECT MACHINES

**HOVERCRAFT GROUND EFFECT MACHINES**  
UF HD-1 GROUND EFFECT MACHINES  
GS GROUND EFFECT MACHINES  
HOVERCRAFT GROUND EFFECT MACHINES  
RT ∞ AIRCRAFT  
RESEARCH AIRCRAFT  
WATER TAKEOFF AND LANDING AIRCRAFT

**HOVERING**  
GS MANEUVERS  
HOVERING  
RT AERODYNAMIC STABILITY  
CUSHIONCRAFT GROUND EFFECT MACHINE  
FLUTTER  
GROUND EFFECT MACHINES  
HOVERING ROCKET VEHICLES  
V/STOL AIRCRAFT  
VERTICAL FLIGHT  
WHIRL TOWERS

**HOVERING ROCKET VEHICLES**  
GS ROCKET VEHICLES  
HOVERING ROCKET VEHICLES  
RT HOVERING  
SOFT LANDING SPACECRAFT

## HOVERING ROCKET VEHICLES-(CONT.)

∞ VEHICLES

**HOVERING STABILITY**  
GS DYNAMIC CHARACTERISTICS  
DYNAMIC STABILITY  
MOTION STABILITY  
AIRCRAFT STABILITY  
HOVERING STABILITY  
STABILITY  
DYNAMIC STABILITY  
MOTION STABILITY  
AIRCRAFT STABILITY  
HOVERING STABILITY  
RT ATTITUDE STABILITY  
DIRECTIONAL STABILITY  
GYROSCOPIC STABILITY  
LATERAL STABILITY  
LONGITUDINAL STABILITY  
LOW SPEED STABILITY  
WHIRL TOWERS

**HOWITZERS**  
GS WEAPONS  
GUNS (ORDNANCE)  
ARTILLERY  
HOWITZERS  
RT BALLISTICS  
GUN LAUNCHERS  
GUNNERY TRAINING

**HP-115 AIRCRAFT**  
UF HANDLEY PAGE HP-115 AIRCRAFT  
GS HANDLEY PAGE AIRCRAFT  
HP-115 AIRCRAFT  
JET AIRCRAFT  
HP-115 AIRCRAFT  
MONOPLANES  
HP-115 AIRCRAFT  
RESEARCH AIRCRAFT  
HP-115 AIRCRAFT  
TAILLESS AIRCRAFT  
HP-115 AIRCRAFT  
RT ∞ AIRCRAFT  
WING PLANFORMS

**HPRR**  
USE HEALTH PHYSICS RESEARCH REACTOR

**HR DIAGRAM**  
USE HERTZSPRUNG-RUSSELL DIAGRAM

**HRB-1 HELICOPTER**  
USE CH-46 HELICOPTER

**HS-125 AIRCRAFT**  
USE DH 125 AIRCRAFT

**HS-748 AIRCRAFT**  
UF AVRO WHITWORTH HS-748 AIRCRAFT  
GS HAWKER SIDDELEY AIRCRAFT  
HS-748 AIRCRAFT  
JET AIRCRAFT  
TURBOPROP AIRCRAFT  
HS-748 AIRCRAFT  
MONOPLANES  
HS-748 AIRCRAFT  
PASSENGER AIRCRAFT  
HS-748 AIRCRAFT  
RT ∞ AIRCRAFT

**HS-801 AIRCRAFT**  
GS HAWKER SIDDELEY AIRCRAFT  
HS-801 AIRCRAFT  
JET AIRCRAFT  
HS-801 AIRCRAFT  
RECONNAISSANCE AIRCRAFT  
HS-801 AIRCRAFT  
RT AERIAL RECONNAISSANCE  
∞ AIRCRAFT  
OBSERVATION AIRCRAFT  
PHOTOGRAPHY  
PHOTORECONNAISSANCE

**HSS-2 HELICOPTER**  
USE SH-3 HELICOPTER

**HTGR**  
USE HIGH TEMPERATURE GAS COOLED REACTORS

**HTPB PROPELLANTS**  
GS PROPELLANTS  
SOLID PROPELLANTS

## HTPB PROPELLANTS-(CONT.)

SOLID ROCKET PROPELLANTS  
HTPB PROPELLANTS  
RT PLASTIC PROPELLANTS  
POLYBUTADIENE

**HU-1 HELICOPTER**  
USE UH-1 HELICOPTER

**HUBBLE CONSTANT**  
GS CONSTANTS  
HUBBLE CONSTANT  
RT COSMOLOGY  
GALAXIES  
IRREGULAR GALAXIES  
RED SHIFT  
VELOCITY MEASUREMENT

**HUBBLE DIAGRAM**  
GS COSMOLOGY  
HUBBLE DIAGRAM  
RT BARRED GALAXIES  
GALACTIC RADIATION  
GALAXIES  
IRREGULAR GALAXIES  
RED SHIFT  
VELOCITY MEASUREMENT

**HUBBLE SPACE TELESCOPE**  
UF LARGE SPACE TELESCOPE  
LST  
SPACE TELESCOPE  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
ASTRONOMICAL SATELLITES  
HUBBLE SPACE TELESCOPE  
OBSERVATORIES  
ASTRONOMICAL OBSERVATORIES  
ASTRONOMICAL SATELLITES  
HUBBLE SPACE TELESCOPE  
TELESCOPES  
SPACEBORNE TELESCOPES  
HUBBLE SPACE TELESCOPE  
RT FAINT OBJECT CAMERA  
SPACE SHUTTLE PAYLOADS  
SPACEBORNE ASTRONOMY  
ULTRAVIOLET ASTRONOMY

**HUBS**  
UF ROTOR HUBS  
RT SPOKES  
WHEELS

**HUDSON BAY (CANADA)**  
GS BAYS (TOPOGRAPHIC FEATURES)  
HUDSON BAY (CANADA)  
RT CANADA

**HUDSON RIVER (NY-NJ)**  
GS RIVERS  
HUDSON RIVER (NY-NJ)  
RT NEW JERSEY  
NEW YORK

**HUECKEL THEORY**  
RT ∞ THEORIES

**HUGHES AIRCRAFT**  
UF HUGHES MILITARY AIRCRAFT  
GS HUGHES AIRCRAFT  
AH-64 HELICOPTER  
H-17 HELICOPTER  
OH-6 HELICOPTER  
TH-55 HELICOPTER  
XV-9A AIRCRAFT  
RT ∞ AIRCRAFT

**HUGHES MILITARY AIRCRAFT**  
USE HUGHES AIRCRAFT  
MILITARY AIRCRAFT

**HUGONIOT ADIABAT**  
USE HUGONIOT EQUATION OF STATE

**HUGONIOT EQUATION OF STATE**  
UF HUGONIOT ADIABAT  
GS EQUATIONS OF STATE  
HUGONIOT EQUATION OF STATE  
RT COMPRESSIBLE FLOW  
∞ EQUATIONS  
LOADS (FORCES)  
ONE DIMENSIONAL FLOW  
SHOCK WAVES

## HUMIDITY MEASUREMENT

**HUL**  
USE HARDWARE UTILIZATION LISTS

### HULLS (STRUCTURES)

GS **HULLS (STRUCTURES)**  
  . SHIP HULLS  
RT AIRCRAFT STRUCTURES  
  BAYS (STRUCTURAL UNITS)  
  BULKHEADS  
  FUSELAGES  
  HYDROFOILS  
  KEELS  
  METAL SHELLS  
  PERFORATED SHELLS  
  SEAPLANES  
  SHELLS (STRUCTURAL FORMS)  
  SKIN (STRUCTURAL MEMBER)  
  STRAKES  
  SWATH (SHIP)

### HUM

RT ACOUSTICS  
  ∞ INTERFERENCE  
  ∞ NOISE

### HUMAN BEHAVIOR

GS BEHAVIOR  
  . **HUMAN BEHAVIOR**  
RT BOREDOM  
  DETACHMENT  
  DISORDERS  
  DITHERS  
  EMOTIONS  
  EXTROVERSION  
  INTROVERSION  
  LETHARGY  
  NEUROPSYCHIATRY  
  PANIC

### HUMAN BEINGS

UF MAN  
GS ANIMALS  
  . VERTEBRATES  
  . . MAMMALS  
  . . . PRIMATES  
  . . . . **HUMAN BEINGS**  
RT ABORIGINES  
  ANTHROPOLOGY  
  CENSUS  
  CHILDREN  
  CHIMPANZEES  
  CLINICAL MEDICINE  
  CULTURAL RESOURCES  
  DEMOGRAPHY  
  FEMALES  
  MALES  
  MAN ENVIRONMENT INTERACTIONS  
  PARENTS  
  PATIENTS  
  RACE FACTORS  
  RACES (ANTHROPOLOGY)  
  YOUTH

### HUMAN BODY

GS ANATOMY  
  . **HUMAN BODY**  
RT APPENDAGES  
  ∞ BODIES  
  BODY MEASUREMENT (BIOLOGY)  
  EXERCISE PHYSIOLOGY  
  LIMBS (ANATOMY)  
  LUMBAR REGION  
  PHYSIOLOGY  
  POSTURE  
  SCIATIC REGION

### HUMAN CENTRIFUGES

UF PILOTED CENTRIFUGES  
GS CENTRIFUGES  
  . **HUMAN CENTRIFUGES**  
RT ACCELERATION TOLERANCE  
  ARTIFICIAL GRAVITY  
  HIGH GRAVITY ENVIRONMENTS

### HUMAN ENGINEERING

USE HUMAN FACTORS ENGINEERING

### HUMAN FACTORS ENGINEERING

UF ERGONOMICS  
  HUMAN ENGINEERING  
GS **HUMAN FACTORS ENGINEERING**  
  . MOTION SIMULATION  
RT ABILITIES  
  ∞ AERONAUTICS  
  AIRCRAFT ACCIDENTS

### HUMAN FACTORS ENGINEERING-(CONT.)

AIRCRAFT HAZARDS  
ANTHROPOMETRY  
ARCHITECTURE  
ASTRONAUT MANEUVERING EQUIPMENT  
ASTRONAUT PERFORMANCE  
∞ ASTRONAUTICS  
  BIOENGINEERING  
  BIOFEEDBACK  
  BIONICS  
  BODY MEASUREMENT (BIOLOGY)  
  BRIGHTNESS  
  COLOR  
  COMFORT  
  CYBERNETICS  
  EDUCATION  
  EFFICIENCY  
  ENVIRONMENTAL ENGINEERING  
  ENVIRONMENTS  
  FATIGUE (BIOLOGY)  
  ∞ FLIGHT STRESS  
  GLARE  
  HUMAN RESOURCES  
  ILLUMINATING  
  LIFE SUPPORT SYSTEMS  
  MAN MACHINE SYSTEMS  
  MAN-COMPUTER INTERFACE  
  MANNED SPACE FLIGHT  
  MANUAL CONTROL  
  MONOCULAR VISION  
  NOISE (SOUND)  
  ∞ PERFORMANCE  
  PILOT ERROR  
  PRODUCTION ENGINEERING  
  PSYCHOLOGICAL EFFECTS  
  SAFETY DEVICES  
  SAFETY MANAGEMENT  
  SYSTEMS ENGINEERING  
  TELEOPERATORS  
  VISIBILITY  
  VISION  
  WHEELCHAIRS  
  WORKSTATIONS

### HUMAN FACTORS LABORATORIES

GS LABORATORIES  
  . **HUMAN FACTORS LABORATORIES**  
RT ENVIRONMENTAL LABORATORIES

### HUMAN PATHOLOGY

GS MEDICAL SCIENCE  
  . PATHOLOGY  
  . . **HUMAN PATHOLOGY**  
RT CHOLERA  
  CONVULSIONS  
  EPILEPSY  
  PATIENTS

### HUMAN PERFORMANCE

GS **HUMAN PERFORMANCE**  
  . ASTRONAUT PERFORMANCE  
  . . BLACKOUT PREVENTION  
  . . OPERATOR PERFORMANCE  
  . PILOT PERFORMANCE  
RT COMPETITION  
  HUMAN RESOURCES  
  INFORMATION PROCESSING (BIOLOGY)  
  INTRAVEHICULAR ACTIVITY  
  MENTAL HEALTH  
  MENTAL PERFORMANCE  
  ∞ PERFORMANCE  
  PILOT ERROR  
  PSYCHOMOTOR PERFORMANCE  
  RACE FACTORS  
  SENSORIMOTOR PERFORMANCE  
  VISUAL TASKS  
  WORKLOADS (PSYCHOPHYSIOLOGY)

### HUMAN REACTIONS

RT BIOLOGICAL EFFECTS  
  BOREDOM  
  COMPETITION  
  EMOTIONAL FACTORS  
  LAUGHING  
  NOISE POLLUTION  
  PHYSIOLOGICAL EFFECTS  
  PSYCHOLOGICAL EFFECTS  
  PSYCHOMOTOR PERFORMANCE  
  ∞ REACTION  
  REACTION TIME  
  REWARD (PSYCHOLOGY)  
  SENSORIMOTOR PERFORMANCE  
  SHOCK (PHYSIOLOGY)  
  VACILLATION

### HUMAN RELATIONS

UF INTERPERSONAL RELATIONS  
RT EMPLOYEE RELATIONS  
  PERSONNEL MANAGEMENT  
  SOCIOLOGY

### HUMAN RESOURCES

RT EDUCATION  
  HUMAN FACTORS ENGINEERING  
  HUMAN PERFORMANCE  
  MANAGEMENT PLANNING  
  MANPOWER  
  PERSONNEL  
  PERSONNEL DEVELOPMENT  
  PERSONNEL MANAGEMENT

### HUMAN TOLERANCES

GS TOLERANCES (PHYSIOLOGY)  
  . **HUMAN TOLERANCES**  
RT ∞ ACCELERATION  
  ACCELERATION TOLERANCE  
  DIVING (UNDERWATER)  
  HEAT ACCLIMATIZATION  
  HEAT TOLERANCE  
  NOISE POLLUTION  
  NOISE TOLERANCE  
  ORTHOSTATIC TOLERANCE  
  RADIATION TOLERANCE  
  SHOCK (PHYSIOLOGY)

### HUMAN WASTES

GS WASTES  
  . METABOLIC WASTES  
  . . **HUMAN WASTES**  
  . . . FECEs  
  . . . URINE  
RT ACTIVATED SLUDGE  
  AIR POLLUTION  
  ENVIRONMENT POLLUTION  
  ENVIRONMENTAL SURVEYS  
  EXCRETION  
  LIQUID WASTES  
  ORGANIC WASTES (FUEL CONVERSION)  
  POLLUTION  
  SEWAGE  
  SEWERS  
  SOLID WASTES  
  TOILETS  
  WASTE DISPOSAL

### HUMAN-COMPUTER INTERFACE

USE MAN-COMPUTER INTERFACE

### HUMASON COMET

GS CELESTIAL BODIES  
  . COMETS  
  . . **HUMASON COMET**

### HUMERUS

RT ARM (ANATOMY)  
  ELBOW (ANATOMY)

### HUMIDITY

RT AIR CONDITIONING  
  ATMOSPHERIC DENSITY  
  ATMOSPHERIC MOISTURE  
  BODY TEMPERATURE  
  CLIMATOLOGY  
  COMFORT  
  CORROSION  
  DEHUMIDIFICATION  
  DROP SIZE  
  DRY HEAT  
  ENVIRONMENTS  
  HYGRAL PROPERTIES  
  HYGROMETERS  
  LAPSE RATE  
  METEOROLOGICAL PARAMETERS  
  METEOROLOGY  
  MOISTURE  
  MOISTURE CONTENT  
  MOISTURE METERS  
  PERSPIRATION  
  PRECIPITATION (METEOROLOGY)  
  PSYCHOLOGICAL EFFECTS  
  PSYCHROMETERS  
  REFRIGERATING  
  TEMPERATURE  
  VAPOR PRESSURE  
  WATER  
  WATER VAPOR  
  WEATHER FORECASTING

### HUMIDITY MEASUREMENT

RT HYGROMETERS

## HUMMINGBIRD AIRCRAFT

### HUMIDITY MEASUREMENT-(CONT.)

- ∞ MEASUREMENT
- METEOROLOGICAL INSTRUMENTS
- MOISTURE METERS
- PSYCHROMETERS

### HUMMINGBIRD AIRCRAFT

USE XV-4 AIRCRAFT

### HUNGARY

- GS NATIONS
- . HUNGARY
- RT CENTRAL EUROPE
- EUROPE

### HUNTER F-2 AIRCRAFT

USE F-2 AIRCRAFT

### HUNTING H-126 AIRCRAFT

USE H-126 AIRCRAFT

### HUNTING P-84 AIRCRAFT

USE JET PROVOST AIRCRAFT

### HURRICANES

- GS STORMS
- . STORMS (METEOROLOGY)
- . . . CYCLONES
- . . . HURRICANES
- . . . . ANNA HURRICANE
- . . . TROPICAL STORMS
- . . . HURRICANES
- . . . . ANNA HURRICANE
- RT CLIMATOLOGY
- CYCLOGENESIS
- METEOROLOGY
- STORM DAMAGE
- STORM SURGES
- TORNADOES
- TYPHOONS

### HUS-1 HELICOPTER

USE UH-34 HELICOPTER

### HUSKIE HELICOPTER

USE HH-43 HELICOPTER

### HUSTLER AIRCRAFT

USE B-58 AIRCRAFT

### HUYGENS PRINCIPLE

- RT DIFFRACTION
- ∞ OPTICS
- POINT SOURCES
- REFRACTION
- SCATTERING
- SCHLICKUNOFF PRINCIPLE
- SPHERICAL WAVES
- WAVE FRONTS
- WAVE PROPAGATION

### HU2K-1 HELICOPTER

USE UH-2 HELICOPTER

### HVITIS CHONDRITE

- GS CELESTIAL BODIES
- . METEORITES
- . . . STONY METEORITES
- . . . CHONDRITES
- . . . . HVITIS CHONDRITE

### HYBRID CIRCUITS

- GS CIRCUITS
- . HYBRID CIRCUITS
- RT ELECTRONIC PACKAGING
- PRINTED CIRCUITS
- SEMICONDUCTOR DEVICES
- TRANSISTOR CIRCUITS

### HYBRID COMBUSTION

USE HYBRID PROPELLANT ROCKET ENGINES

### HYBRID COMPUTERS

- GS DATA PROCESSING EQUIPMENT
- . COMPUTERS
- . . HYBRID COMPUTERS
- RT ANALOG COMPUTERS
- DIGITAL COMPUTERS

### HYBRID NAVIGATION SYSTEMS

- GS NAVIGATION
- . HYBRID NAVIGATION SYSTEMS
- RT NAVIGATION AIDS

### HYBRID NAVIGATION SYSTEMS-(CONT.)

NAVIGATION INSTRUMENTS

∞ SYSTEMS

### HYBRID PROPELLANT ROCKET ENGINES

- UF HYBRID COMBUSTION
- GS ENGINES
- . ROCKET ENGINES
- . . HYBRID PROPELLANT ROCKET ENGINES
- . . . LITHERGOL ROCKET ENGINES
- RT BOOSTER ROCKET ENGINES
- INTERNAL COMBUSTION ENGINES
- JET ENGINES
- LIQUID PROPELLANT ROCKET ENGINES
- RESTARTABLE ROCKET ENGINES
- SOLID PROPELLANT ROCKET ENGINES
- SUSTAINER ROCKET ENGINES
- VERNIER ENGINES

### HYBRID PROPELLANTS

- UF LITHERGOLIC PROPELLANTS
- GS PROPELLANTS
- . HYBRID PROPELLANTS
- RT CASE BONDED PROPELLANTS
- CHEMICAL FUELS
- CRYOGENIC ROCKET PROPELLANTS
- GASEOUS ROCKET PROPELLANTS
- GELLED ROCKET PROPELLANTS
- HIGH ENERGY FUELS
- HIGH ENERGY PROPELLANTS
- HYPERGOLIC ROCKET PROPELLANTS
- LIQUID ROCKET PROPELLANTS
- METAL FUELS
- METAL PROPELLANTS
- SOLID PROPELLANT IGNITION
- SOLID PROPELLANTS
- SOLID ROCKET PROPELLANTS

### HYBRID PROPULSION

- UF DUAL MODE PROPULSION
- GS PROPULSION
- . CHEMICAL PROPULSION
- . . HYBRID PROPULSION
- RT JET ENGINES
- LASER PROPULSION
- ROCKET ENGINES

### ∞ HYBRID ROCKET ENGINES

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT DUCTED ROCKET ENGINES

### HYBRID STRUCTURES

- RT COMPOSITE STRUCTURES
- ELASTIC PROPERTIES
- FLEXIBLE BODIES
- RIGID STRUCTURES
- STRUCTURAL STABILITY
- ∞ STRUCTURES

### HYBRIDS (BIOLOGY)

- USE GENETIC ENGINEERING

### HYDRATES

- RT AQUEOUS SOLUTIONS
- WATER

### HYDRATION

- RT CHEMICAL REACTIONS
- DEHYDRATION
- HYDROLYSIS

### HYDRAULIC ACTUATORS

- USE ACTUATORS
- HYDRAULIC EQUIPMENT

### HYDRAULIC ANALOGIES

- GS ANALOGIES
- . HYDRAULIC ANALOGIES
- RT COMPUTERIZED SIMULATION
- FLOW VISUALIZATION
- FLUERICIS
- FLUIDICS
- GAS FLOW
- NUMERICAL FLOW VISUALIZATION
- WAVE PROPAGATION

### HYDRAULIC CONTROL

- UF ELECTROHYDRAULIC CONTROL
- RT AUTOMATIC CONTROL
- ∞ CONTROL
- ELECTRONIC CONTROL

### HYDRAULIC CONTROL-(CONT.)

- ENGINE CONTROL
- FLUID POWER
- FLUIDICS
- ∞ HYDRAULICS
- PNEUMATIC CONTROL
- REMOTE CONTROL
- SOLENOID VALVES

### HYDRAULIC EQUIPMENT

- UF HYDRAULIC ACTUATORS
- HYDRAULIC HEATING SOURCES
- HYDRAULIC PUMPS
- HYDRAULIC SYSTEMS
- HYDRAULIC VALVES
- GS HYDRAULIC EQUIPMENT
- . AIRCRAFT HYDRAULIC SYSTEMS
- RT AIRBORNE EQUIPMENT
- AUTOMATIC CONTROL VALVES
- COCKS
- CUSHIONS
- ∞ EQUIPMENT
- FLUID AMPLIFIERS
- FLUID POWER
- FLUID SWITCHING ELEMENTS
- FLY BY TUBE CONTROL
- GATES (OPENINGS)
- ∞ HYDRAULICS
- MOTORS
- NETWORK ANALYSIS
- NETWORK SYNTHESIS
- ∞ NETWORKS
- PUMPS
- RELIEF VALVES
- SERVOCONTROL
- SERVOMECHANISMS
- SHOCK ABSORBERS
- ∞ SYSTEMS
- TURBINE WHEELS
- VALVES
- WATER HAMMER
- WHEEL BRAKES

### HYDRAULIC FLUIDS

- GS LIQUIDS
- . HYDRAULIC FLUIDS
- . . SKYDROL (TRADEMARK)
- RT FLUID PRESSURE
- FLUID TRANSMISSION LINES
- ∞ FLUIDS
- HIGH TEMPERATURE FLUIDS
- ∞ HYDRAULICS
- OILS
- PATCH TESTS
- TRANSMISSION FLUIDS
- WORKING FLUIDS

### HYDRAULIC HEATING SOURCES

- USE HEAT SOURCES
- HYDRAULIC EQUIPMENT

### HYDRAULIC JETS

- UF WATER JETS
- GS FLUID JETS
- . HYDRAULIC JETS
- RT JET FLOW

### HYDRAULIC PUMPS

- USE HYDRAULIC EQUIPMENT
- PUMPS

### HYDRAULIC SHOCK

- GS MECHANICAL SHOCK
- . HYDRAULIC SHOCK

### HYDRAULIC SYSTEMS

- USE HYDRAULIC EQUIPMENT

### HYDRAULIC TEST TUNNELS

- UF WATER TUNNELS
- GS TEST FACILITIES
- . HYDRAULIC TEST TUNNELS
- RT ∞ TUNNELS

### HYDRAULIC VALVES

- USE HYDRAULIC EQUIPMENT
- VALVES

### ∞ HYDRAULICS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT FLUID DYNAMICS
- FLUID FLOW

## HYDROCARBONS

### HYDRAULICS-(CONT.)

FLUID MECHANICS  
FLUID POWER  
HYDRAULIC CONTROL  
HYDRAULIC EQUIPMENT  
HYDRAULIC FLUIDS  
HYDRODYNAMIC RAM EFFECT  
HYDRODYNAMICS  
HYDROLOGY  
HYDROMECHANICS  
HYDROSTATICS  
IMPEDANCE  
INFLUENCE COEFFICIENT  
LIMNOLOGY  
∞ MECHANICS (PHYSICS)  
PIPES (TUBES)  
PNEUMATICS  
PRESSURE HEADS  
THERMOHYDRAULICS  
WATER  
WATER FLOW  
WATER PRESSURE

### HYDRAZIDES

RT HYDRAZIDES

### HYDRAZINE BORANE

GS BORON COMPOUNDS  
BORON HYDRIDES  
BORANES  
HYDRAZINE BORANE  
HYDRAZINES  
HYDRAZINE BORANE  
HYDROGEN COMPOUNDS  
HYDRIDES  
BORON HYDRIDES  
BORANES  
HYDRAZINE BORANE

### HYDRAZINE ENGINES

UF NIMPH (ENGINE)  
GS ENGINES  
ROCKET ENGINES  
LIQUID PROPELLANT ROCKET ENGINES  
HYDRAZINE ENGINES  
RT TURBOROCKET ENGINES

### HYDRAZINE NITRATE

GS NITROGEN COMPOUNDS  
NITRATES  
INORGANIC NITRATES  
HYDRAZINE NITRATE

### HYDRAZINE NITROFORM

GS ESTERS  
ORGANIC NITRATES  
NITROFORMS  
HYDRAZINE NITROFORM  
EXPLOSIVES  
HYDRAZINE NITROFORM  
NITROGEN COMPOUNDS  
NITRATES  
ORGANIC NITRATES  
NITROFORMS  
HYDRAZINE NITROFORM  
PROPELLANTS  
HYDRAZINE NITROFORM

### HYDRAZINE PERCHLORATES

GS HALOGEN COMPOUNDS  
CHLORINE COMPOUNDS  
PERCHLORATES  
HYDRAZINE PERCHLORATES  
HYDRAZINES  
HYDRAZINE PERCHLORATES

### HYDRAZINES

GS HYDRAZINES  
CHLORPROMAZINE  
DIHYDRAZINE  
DIMETHYLHYDRAZINES  
ETHYLENE DIHYDRAZINE  
HYDRAZINE BORANE  
HYDRAZINE PERCHLORATES  
METHYLHYDRAZINE  
TETRAFLUOROHYDRAZINE  
RT AEROZINE  
AMINES  
HYDRAZIDES  
HYDRAZONES  
LIQUID ROCKET PROPELLANTS  
ROCKET PROPELLANTS

### HYDRAZINIUM COMPOUNDS

GS NITROGEN COMPOUNDS  
HYDRAZINIUM COMPOUNDS  
RT ∞ CHEMICAL COMPOUNDS

### HYDRAZOIC ACID

GS ACIDS  
HYDRAZOIC ACID  
NITROGEN COMPOUNDS  
HYDRAZOIC ACID  
RT NITROGEN HYDRIDES

### HYDRAZONES

GS NITROGEN COMPOUNDS  
HYDRAZONES  
RT HYDRAZINES

### HYDRAZONIUM COMPOUNDS

RT ∞ CHEMICAL COMPOUNDS

### HYDRIDES

GS HYDROGEN COMPOUNDS  
HYDRIDES  
BOROHYDRIDES  
ALUMINUM BOROHYDRIDES  
BERYLLIUM BOROHYDRIDES  
BORON HYDRIDES  
ALUMINUM BOROHYDRIDES  
BERYLLIUM BOROHYDRIDES  
BORANES  
CARBORANE  
HYDRAZINE BORANE  
PENTABORANES  
DIBORANE  
DIHYDRIDES  
METAL HYDRIDES  
ALUMINUM HYDRIDES  
ALUMINUM BOROHYDRIDES  
BERYLLIUM HYDRIDES  
CESIUM HYDRIDES  
LITHIUM HYDRIDES  
LITHIUM ALUMINUM HYDRIDES  
POTASSIUM HYDRIDES  
SODIUM HYDRIDES  
NITROGEN HYDRIDES  
AMINO RADICAL  
PHOSPHINES  
SILANES  
CHLOROSILANES  
METHYL CHLOROSILANES  
ZIRCONIUM HYDRIDES  
RT DEUTERIDES  
HYDROGEN PRODUCTION

### HYDROACOUSTICS

USE UNDERWATER ACOUSTICS

### HYDROAEROMECHANICS

USE AERODYNAMICS

### HYDROBALLISTICS

GS BALLISTICS  
HYDROBALLISTICS  
RT BALLISTIC RANGES  
HYDRODYNAMICS  
TORPEDOES  
UNDERWATER EXPLOSIONS  
UNDERWATER TRAJECTORIES

### HYDROBAROPHONES

USE HYDROPHONES

### HYDROBORATION

GS CHEMICAL REACTIONS  
HYDROBORATION

### HYDROBROMIC ACID

GS ACIDS  
HYDROBROMIC ACID  
HALOGEN COMPOUNDS  
BROMINE COMPOUNDS  
BROMIDES  
HYDROBROMIC ACID  
HALIDES  
BROMIDES  
HYDROBROMIC ACID

### HYDROBROMIDES

GS HALOGEN COMPOUNDS  
BROMINE COMPOUNDS  
BROMIDES  
HYDROBROMIDES  
HALIDES  
BROMIDES

### HYDROBROMIDES-(CONT.)

HYDROBROMIDES  
HYDROGEN COMPOUNDS  
HYDROBROMIDES

### HYDROCARBON COMBUSTION

GS COMBUSTION  
HYDROCARBON COMBUSTION  
RT EXPLOSIONS  
FUEL COMBUSTION  
OXIDATION  
PROPELLANT COMBUSTION  
SMOG

### HYDROCARBON FUEL PRODUCTION

GS HYDROCARBON FUEL PRODUCTION  
ATMOSPHERIC ENERGY SOURCES  
RT AGRICULTURE  
BIOCONVERSION  
BIOMASS ENERGY PRODUCTION  
ENERGY TECHNOLOGY  
HYDROGEN FUELS  
LIGNITE  
SOLVENT REFINED COAL  
WASTE UTILIZATION

### HYDROCARBON FUELS

GS FUELS  
CHEMICAL FUELS  
HYDROCARBON FUELS  
DIESEL FUELS  
GASOLINE  
JET ENGINE FUELS  
JP-4 JET FUEL  
JP-5 JET FUEL  
JP-6 JET FUEL  
JP-8 JET FUEL  
LIQUEFIED NATURAL GAS  
SYNTHANE  
RT ACETYLENE  
AIRCRAFT FUELS  
ALKANES  
AMINES  
AUTOMOBILE FUELS  
BUTADIENE  
CLEAN FUELS  
COAL GASIFICATION  
COAL LIQUEFACTION  
COAL UTILIZATION  
ENDOTHERMIC FUELS  
ENERGY POLICY  
ENVIRONMENTAL CHEMISTRY  
ETHANE  
ETHYLENE  
FUEL PRODUCTION  
HEPTANES  
HEXENES  
HIGH ENERGY FUELS  
HYDROGEN FUELS  
HYDROGEN-BASED ENERGY  
HYPERGOLIC ROCKET PROPELLANTS  
KEROSENE  
KEROSENE  
METHANATION  
METHANE  
PARAFFINS  
PROPANE  
RETORT PROCESSING  
ROCKET PROPELLANTS  
SHALE OIL  
STORABLE PROPELLANTS  
SYNTHETIC FUELS

### HYDROCARBON POISONING

RT BENZENE POISONING  
INDUSTRIAL SAFETY  
∞ POISONING  
SMOG  
TOXICITY AND SAFETY HAZARD  
TOXICOLOGY

### HYDROCARBONS

GS ORGANIC COMPOUNDS  
HYDROCARBONS  
ALIPHATIC HYDROCARBONS  
ALKANES  
BUTANES  
CETANE  
ETHANE  
HEPTANES  
METHANE  
NITROPROPANE  
NONANES  
OCTANES  
PARAFFINS

## HYDROCHLORIC ACID

### HYDROCARBONS-(CONT.)

- ... CERESIN
- ... PENTANES
- ... NEOPENTANE
- ... PROPANE
- ... ALKENES
- ... BUTENES
- ... ETHYLENE
- ... VINYLIDENE
- ... HEXENES
- ... PROPYLENE
- ... TRIENES
- ... ALKYNES
- ... ACETYLENE
- ... OXYACETYLENE
- ... DIENES
- ... BUTADIENE
- ... HEPTADIENE
- ... HEXADIENE
- ... POLYBUTADIENE
- ... CAROTENE
- ... CHLOROFLUOROMETHANE
- ... CUBANE
- ... CYANOACETYLENE
- ... CYCLIC HYDROCARBONS
- ... ANTHRACENE
- ... BENZENE
- ... CHLOROBENZENES
- ... COLCHICINE
- ... CYCLOBUTANE
- ... CYCLOHEXANE
- ... CYCLOPROPANE
- ... DURENE
- ... INDENE
- ... MENTHOL
- ... NAPHTHALENE
- ... NAPHTHENES
- ... DIPHENYL COMPOUNDS
- ... DIPHENYL HYDANTOIN
- ... LIQUEFIED NATURAL GAS
- ... MESITYLENE
- ... METHYLENE
- ... NATURAL GAS
- ... PHENANTHRENE
- ... PYRENES
- ... QUINOXALINES
- ... STILBENE
- ... TOLUENE
- ... TRIPHENYLS
- ... XYLENE
- RT ∞ AROMATIC COMPOUNDS
- ... CARBON COMPOUNDS
- ... CRACKING (CHEMICAL ENGINEERING)
- ... ORGANIC PEROXIDES

### HYDROCHLORIC ACID

- GS ACIDS
- ... **HYDROCHLORIC ACID**
- ... HALOGEN COMPOUNDS
- ... HALIDES
- ... CHLORIDES
- ... HYDROGEN CHLORIDES
- ... **HYDROCHLORIC ACID**

### HYDROCHLORIDES

- GS HALOGEN COMPOUNDS
- ... CHLORINE COMPOUNDS
- ... CHLORIDES
- ... **HYDROCHLORIDES**
- ... HALIDES
- ... CHLORIDES
- ... **HYDROCHLORIDES**
- RT HYDROGEN CHLORIDES

### HYDROCLIMATOLOGY

- RT AGROCLIMATOLOGY
- ... CLIMATOLOGY
- ... HYDROGRAPHY
- ... HYDROLOGY
- ... METEOROLOGY
- ... OCEANOGRAPHY

### HYDROCRACKING

- GS CHEMICAL REACTIONS
- ... CRACKING (CHEMICAL ENGINEERING)
- ... **HYDROCRACKING**
- ... HYDROGENOLYSIS
- ... **HYDROCRACKING**
- ... DECOMPOSITION
- ... CRACKING (CHEMICAL ENGINEERING)
- ... **HYDROCRACKING**
- ... HYDROGENOLYSIS
- ... **HYDROCRACKING**
- ... FRACTIONATION
- ... **HYDROCRACKING**

### HYDROCRACKING-(CONT.)

- RT COAL GASIFICATION
- ... COAL LIQUEFACTION

### HYDROCYANIC ACID

- UF HYDROGEN CYANIDES
- ... PRUSSIC ACID
- GS ACIDS
- ... **HYDROCYANIC ACID**
- ... HYDROGEN COMPOUNDS
- ... **HYDROCYANIC ACID**
- ... NITROGEN COMPOUNDS
- ... **HYDROCYANIC ACID**
- RT CN EMISSION
- ... HCN LASERS

### HYDRODYNAMIC COEFFICIENTS

- RT COMPUTATIONAL FLUID DYNAMICS
- ∞ DRAG COEFFICIENTS
- ... FLOW DISTRIBUTION
- ... FLOW VELOCITY
- ... LIQUID FLOW
- ... SEA ROUGHNESS
- ... SHIP HULLS
- ... STEADY FLOW
- ... UNSTEADY FLOW
- ... WATER WAVES

### HYDRODYNAMIC EQUATIONS

- GS EQUATIONS OF MOTION
- ... KINETIC EQUATIONS
- ... **HYDRODYNAMIC EQUATIONS**
- ... HELMHOLTZ VORTICITY EQUATION
- RT BOLTZMANN TRANSPORT EQUATION
- ∞ EQUATIONS
- ... FLOW STABILITY
- ... FLOW THEORY
- ... FLUID MECHANICS
- ... GAS DYNAMICS
- ... HYDRODYNAMICS
- ... METEOROLOGY
- ... PLASMA DYNAMICS

### HYDRODYNAMIC RAM EFFECT

- RT ∞ EFFECTS
- ... FLUID FILLED SHELLS
- ... HYDRAULICS
- ... HYPERVELOCITY IMPACT
- ... IMPACT
- ... KINETIC ENERGY
- ... LIQUID FILLED SHELLS
- ... MOMENTUM TRANSFER
- ... PENETRATION

### HYDRODYNAMIC STABILITY

- USE FLOW STABILITY

### HYDRODYNAMIC TUNNELS

- USE PLASMA JET WIND TUNNELS

### HYDRODYNAMICS

- GS FLUID MECHANICS
- ... FLUID DYNAMICS
- ... **HYDRODYNAMICS**
- ... ELASTOHYDRODYNAMICS
- ... ELECTROHYDRODYNAMICS
- ... MAGNETOHYDRODYNAMICS
- ... HYDROMECHANICS
- ... **HYDRODYNAMICS**
- ... ELASTOHYDRODYNAMICS
- ... ELECTROHYDRODYNAMICS
- ... MAGNETOHYDRODYNAMICS
- RT BALLAST (MASS)
- ∞ DYNAMICS
- ... EULER EQUATIONS OF MOTION
- ... FLOW THEORY
- ... FLUID FLOW
- ... FLUID POWER
- ... GAS DYNAMICS
- ∞ HYDRAULICS
- ... HYDROBALLISTICS
- ... HYDRODYNAMIC EQUATIONS
- ... HYDROSTATICS
- ... KROOK EQUATION
- ... LAGRANGE COORDINATES
- ∞ MECHANICS (PHYSICS)
- ... OCEAN DYNAMICS
- ... PRESSURE GRADIENTS
- ... PRESSURE HEADS
- ... SEEPAGE
- ... SHIP HULLS
- ... THERMOHYDRAULICS
- ... WATER
- ... WATER FLOW
- ... WATER HAMMER

### HYDRODYNAMICS-(CONT.)

#### WATER PRESSURE

### HYDROELASTICITY

- GS MECHANICAL PROPERTIES
- ... ELASTIC PROPERTIES
- ... **HYDROELASTICITY**
- RT COMPRESSIBILITY
- ... COMPRESSIBLE FLUIDS
- ... MODULUS OF ELASTICITY
- ... THERMOELASTICITY
- ... VISCOELASTICITY

### HYDROELECTRIC POWER STATIONS

- UF HYDROPOWER STATIONS
- GS STATIONS
- ... **HYDROELECTRIC POWER STATIONS**
- RT ELECTRIC POWER PLANTS
- ... ELECTRIC POWER TRANSMISSION
- ... HYDROELECTRICITY
- ∞ POWER PLANTS
- ∞ POWER TRANSMISSION
- ... TURBOGENERATORS
- ... WATER WHEELS

### HYDROELECTRICITY

- GS ELECTRICITY
- ... **HYDROELECTRICITY**
- RT DAMS
- ... ELECTRIC CURRENT
- ∞ ELECTRIC POWER
- ... HYDROELECTRIC POWER STATIONS
- ∞ POWER PLANTS
- ... TURBOGENERATORS

### HYDROFLUORIC ACID

- UF HYDROGEN FLUORIDES
- GS ACIDS
- ... **HYDROFLUORIC ACID**
- ... HALOGEN COMPOUNDS
- ... FLUORINE COMPOUNDS
- ... FLUORIDES
- ... **HYDROFLUORIC ACID**
- ... HALIDES
- ... FLUORIDES
- ... **HYDROFLUORIC ACID**

### HYDROFOIL BOATS

- USE HYDROFOIL CRAFT

### HYDROFOIL CRAFT

- UF HYDROFOIL BOATS
- RT CAPTURED AIR BUBBLE VEHICLES
- ... HYDROFOILS
- ... HYDROPLANES (VEHICLES)
- ... SHIPS

### HYDROFOIL OSCILLATIONS

- GS OSCILLATIONS
- ... **HYDROFOIL OSCILLATIONS**
- RT FLOW STABILITY
- ... FLUTTER
- ... HYDROFOILS
- ... SUPERCAVITATING FLOW

### HYDROFOILS

- GS **HYDROFOILS**
- ... KEELS
- RT AIRFOILS
- ∞ BLADES
- ... ELEVATORS (CONTROL SURFACES)
- ... FINS
- ∞ FOILS
- ... FOILS (MATERIALS)
- ... GUIDE VANES
- ... HULLS (STRUCTURES)
- ... HYDROFOIL CRAFT
- ... HYDROFOIL OSCILLATIONS
- ... HYDROPLANES (SURFACES)
- ... HYDROPLANING
- ... LANDING GEAR
- ... MARINE RUDDERS
- ... SHIPS
- ... SKIS
- ... STREAMLINING
- ... TAIL ASSEMBLIES

### HYDROFORMING

- GS METAL WORKING
- ... **HYDROFORMING**
- RT DEHYDROGENATION

### HYDROGEN

- GS CHEMICAL ELEMENTS

## HYDROGEN PLASMA

### HYDROGEN-(CONT.)

. **HYDROGEN**  
 . . . HYDROGEN ISOTOPES  
 . . . DEUTERIUM  
 . . . HYDROGEN 4  
 . . . METALLIC HYDROGEN  
 . . . TRITIUM  
 . . . LIQUID HYDROGEN  
 GASES  
 . **HYDROGEN**  
 . . . HYDROGEN ISOTOPES  
 . . . DEUTERIUM  
 . . . HYDROGEN 4  
 . . . METALLIC HYDROGEN  
 . . . TRITIUM  
 . . . LIQUID HYDROGEN  
 RT BALMER SERIES  
 DEUTERIUM PLASMA  
 FUELS  
 HYDROGEN ATOMS  
 HYDROGEN IONS  
 HYDROGEN PLASMA  
 HYDROGENATION  
 HYDROGENOLYSIS  
 HYDRONIUM IONS  
 METALLICITY  
 NEPTUNE ATMOSPHERE  
 ORTHO HYDROGEN  
 PARA HYDROGEN  
 PASCHEN SERIES  
 RYDBERG SERIES  
 SYNTHANE  
 URANUS ATMOSPHERE  
 RT  
 USE HYDROGEN OXYGEN FUEL CELLS

### HYDROGEN ATOMS

GS ATOMS  
 . **HYDROGEN ATOMS**  
 RT H I REGIONS  
 HYDROGEN

### HYDROGEN AZIDES

GS EXPLOSIVES  
 . **HYDROGEN AZIDES**  
 . . . NITROGEN COMPOUNDS  
 . . . AZIDES (INORGANIC)  
 . **HYDROGEN AZIDES**  
 . . . PROPELLANTS  
 . **HYDROGEN AZIDES**

### HYDROGEN BOMBS

USE FUSION WEAPONS

### HYDROGEN BONDS

GS CHEMICAL BONDS  
 . **HYDROGEN BONDS**  
 RT MOLECULAR STRUCTURE  
 WATER

### HYDROGEN CHLORIDE LASERS

USE HCL LASERS

### HYDROGEN CHLORIDES

GS HALOGEN COMPOUNDS  
 . HALIDES  
 . . . CHLORIDES  
 . . . **HYDROGEN CHLORIDES**  
 . . . . . HYDROCHLORIC ACID  
 RT HYDROCHLORIDES

### HYDROGEN CLOUDS

GS **HYDROGEN CLOUDS**  
 . . . H I REGIONS  
 . . . H II REGIONS  
 . . . ORION NEBULA  
 RT ∞ CLOUDS  
 DROP SIZE  
 GALACTIC ROTATION  
 GASES  
 MOLECULAR CLOUDS  
 PLASMA CLOUDS  
 SPIN TEMPERATURE  
 STAR FORMATION  
 VAPOR PHASES  
 VAPORS

### HYDROGEN COMPOUNDS

GS **HYDROGEN COMPOUNDS**  
 . . . DEUTERIUM COMPOUNDS  
 . . . DEUTERIDES  
 . . . DEUTERIUM FLUORIDES  
 . . . HEAVY WATER

### HYDROGEN COMPOUNDS-(CONT.)

. HYDRIDES  
 . . . BOROHYDRIDES  
 . . . ALUMINUM BOROHYDRIDES  
 . . . BERYLLIUM BOROHYDRIDES  
 . . . BORON HYDRIDES  
 . . . ALUMINUM BOROHYDRIDES  
 . . . BERYLLIUM BOROHYDRIDES  
 . . . BORANES  
 . . . CARBORANE  
 . . . . . HYDRAZINE BORANE  
 . . . . . PENTABORANES  
 . . . DIBORANE  
 . . . DIHYDRIDES  
 . . . METAL HYDRIDES  
 . . . ALUMINUM HYDRIDES  
 . . . ALUMINUM BOROHYDRIDES  
 . . . BERYLLIUM HYDRIDES  
 . . . CESIUM HYDRIDES  
 . . . LITHIUM HYDRIDES  
 . . . LITHIUM ALUMINUM HYDRIDES  
 . . . POTASSIUM HYDRIDES  
 . . . SODIUM HYDRIDES  
 . . . NITROGEN HYDRIDES  
 . . . AMINO RADICAL  
 . . . PHOSPHINES  
 . . . SILANES  
 . . . CHLOROSILANES  
 . . . METHYL CHLOROSILANES  
 . . . ZIRCONIUM HYDRIDES  
 . . . HYDROBROMIDES  
 . . . HYDROCYANIC ACID  
 . . . HYDROGEN PEROXIDE  
 . . . HYDROGEN SULFIDE  
 . . . HYDROSULFITES  
 . . . LIGHT WATER  
 RT ACIDS  
 ∞ CHEMICAL COMPOUNDS  
 WATER

### HYDROGEN CYANIDE LASERS

USE HCN LASERS

### HYDROGEN CYANIDES

USE HYDROCYANIC ACID

### HYDROGEN DEUTERIUM OXIDE

USE HEAVY WATER

### HYDROGEN EMBRITTLEMENT

RT CHEMISORPTION  
 GAS-METAL INTERACTIONS  
 IRON  
 STEELS

### HYDROGEN ENGINES

GS ENGINES  
 . . . INTERNAL COMBUSTION ENGINES  
 . . . GAS TURBINE ENGINES  
 . . . **HYDROGEN ENGINES**  
 RT AIRCRAFT ENGINES  
 AUTOMOBILES

### HYDROGEN FLUORIDES

USE HYDROFLUORIC ACID

### HYDROGEN FUELS

GS FUELS  
 . . . CHEMICAL FUELS  
 . . . LIQUID FUELS  
 . . . **HYDROGEN FUELS**  
 RT CRYOGENIC ROCKET PROPELLANTS  
 DEUTERIUM  
 FUEL CELLS  
 FUEL PRODUCTION  
 GASEOUS ROCKET PROPELLANTS  
 GELLED PROPELLANTS  
 HYDROCARBON FUEL PRODUCTION  
 HYDROCARBON FUELS  
 HYDROGEN-BASED ENERGY  
 LIQUID HYDROGEN  
 LIQUID ROCKET PROPELLANTS  
 RAMJET ENGINES

### HYDROGEN IONS

GS IONS  
 . **HYDROGEN IONS**  
 RT ACIDITY  
 H II REGIONS  
 HYDROGEN  
 HYDRONIUM IONS  
 PH  
 PH FACTOR  
 POSITIVE IONS  
 PROTONS

### HYDROGEN ISOTOPES

GS CHEMICAL ELEMENTS  
 . HYDROGEN  
 . **HYDROGEN ISOTOPES**  
 . . . DEUTERIUM  
 . . . HYDROGEN 4  
 . . . METALLIC HYDROGEN  
 . . . TRITIUM  
 . . . NUCLIDES  
 . . . ISOTOPES  
 . **HYDROGEN ISOTOPES**  
 . . . DEUTERIUM  
 . . . HYDROGEN 4  
 . . . TRITIUM  
 GASES  
 . HYDROGEN  
 . **HYDROGEN ISOTOPES**  
 . . . DEUTERIUM  
 . . . HYDROGEN 4  
 . . . TRITIUM

### HYDROGEN MASERS

GS STIMULATED EMISSION DEVICES  
 . MASERS  
 . . . GAS MASERS  
 . . . **HYDROGEN MASERS**

### HYDROGEN METABOLISM

GS METABOLISM  
 . **HYDROGEN METABOLISM**  
 RT CARBOHYDRATE METABOLISM  
 NITROGEN METABOLISM  
 OXYGEN METABOLISM  
 RESPIRATION  
 SECRETIONS

### HYDROGEN OXYGEN ENGINES

UF HYDROX ENGINES  
 LOX-HYDROGEN ENGINES  
 GS ENGINES  
 . . . ROCKET ENGINES  
 . . . LIQUID PROPELLANT ROCKET ENGINES  
 . . . **HYDROGEN OXYGEN ENGINES**  
 . . . . . J-2 ENGINE  
 . . . . . M-1 ENGINE  
 . . . . . RL-10-A-1 ENGINE  
 . . . . . RL-10-A-3 ENGINE  
 RT AUXILIARY PROPULSION  
 LIQUID AIR CYCLE ENGINES  
 SPACE STATION PROPULSION  
 TURBOROCKET ENGINES

### HYDROGEN OXYGEN FUEL CELLS

UF HYDROGEN AIR FUEL CELLS  
 GS ELECTRIC GENERATORS  
 . . . DIRECT POWER GENERATORS  
 . . . FUEL CELLS  
 . . . **HYDROGEN OXYGEN FUEL CELLS**  
 . . . ELECTROCHEMICAL CELLS  
 . . . FUEL CELLS  
 . . . **HYDROGEN OXYGEN FUEL CELLS**  
 RT PHOSPHORIC ACID FUEL CELLS

### HYDROGEN PERCHLORATE

GS HALOGEN COMPOUNDS  
 . . . CHLORINE COMPOUNDS  
 . . . PERCHLORATES  
 . . . **HYDROGEN PERCHLORATE**

### HYDROGEN PEROXIDE

GS CHALCOGENIDES  
 . OXIDES  
 . . . DIOXIDES  
 . . . **HYDROGEN PEROXIDE**  
 HYDROGEN COMPOUNDS  
 . **HYDROGEN PEROXIDE**  
 RT ROCKET OXIDIZERS

### HYDROGEN PLASMA

GS PARTICLES  
 . CHARGED PARTICLES  
 . . . ENERGETIC PARTICLES  
 . . . PLASMAS (PHYSICS)  
 . . . **HYDROGEN PLASMA**  
 . . . . . DEUTERIUM PLASMA  
 RT ARGON PLASMA  
 DEUTERIUM  
 HELIUM PLASMA  
 HYDROGEN  
 OXYGEN PLASMA  
 SOLAR WIND  
 STARK EFFECT

## HYDROGEN PRODUCTION

### HYDROGEN PRODUCTION

- RT ELECTROLYSIS
- ENERGY CONVERSION
- FUELS
- HYDRIDES
- HYDROGEN-BASED ENERGY
- HYDROLYSIS
- LIGNITE
- SOLAR ENERGY CONVERSION
- THERMAL DISSOCIATION

### HYDROGEN RECOMBINATIONS

- GS RECOMBINATION REACTIONS
- HYDROGEN RECOMBINATIONS

### HYDROGEN SULFIDE

- GS CHALCOGENIDES
- SULFIDES
- INORGANIC SULFIDES
- HYDROGEN SULFIDE
- HYDROGEN COMPOUNDS
- HYDROGEN SULFIDE
- SULFUR COMPOUNDS
- SULFIDES
- INORGANIC SULFIDES
- HYDROGEN SULFIDE

### HYDROGEN 2

- USE DEUTERIUM

### HYDROGEN 3

- USE TRITIUM

### HYDROGEN 4

- GS CHEMICAL ELEMENTS
- HYDROGEN
- HYDROGEN ISOTOPES
- HYDROGEN 4
- NUCLIDES
- ISOTOPES
- HYDROGEN ISOTOPES
- HYDROGEN 4
- GASES
- HYDROGEN
- HYDROGEN ISOTOPES
- HYDROGEN 4

### HYDROGEN-BASED ENERGY

- RT ENERGY
- ENERGY TECHNOLOGY
- FUEL CELLS
- GAS MIXTURES
- HYDROCARBON FUELS
- HYDROGEN FUELS
- HYDROGEN PRODUCTION
- LIQUID HYDROGEN
- NICKEL HYDROGEN BATTERIES

### HYDROGENATION

- GS CHEMICAL REACTIONS
- REDUCTION (CHEMISTRY)
- HYDROGENATION
- RT ASPHALTENES
- CYCLOHEXANE
- DEHYDROGENATION
- HYDROGEN
- REFINING

### HYDROGENOLYSIS

- GS CHEMICAL REACTIONS
- HYDROGENOLYSIS
- HYDROCRACKING
- DECOMPOSITION
- HYDROGENOLYSIS
- HYDROCRACKING
- RT CRACKING (CHEMICAL ENGINEERING)
- DEHYDROGENATION
- HYDROGEN
- REDUCTION

### HYDROGENOMONAS

- GS AUTOTROPHS
- HYDROGENOMONAS
- MICROORGANISMS
- BACTERIA
- HYDROGENOMONAS

### HYDROGEOLOGY

- GS GEOLOGY
- HYDROGEOLOGY
- HYDROLOGY
- HYDROGEOLOGY
- RT AQUIFERS
- CORE SAMPLING

### HYDROGEOLOGY-(CONT.)

- EROSION
- FLOOD PLAINS
- FLOOD PREDICTIONS
- GEYSERS
- GLACIOLOGY
- HYDROLOGY MODELS
- HYDROSTATICS
- SCIENCE
- SOIL EROSION
- STRATIGRAPHY
- WATERSHEDS

### HYDROGRAPHY

- RT GEOPHYSICS
- HYDROCLIMATOLOGY
- HYDROLOGY
- HYDROMETEOROLOGY
- ICE MAPPING
- LIMNOLOGY
- METEOROLOGY
- OCEAN CURRENTS
- OCEAN SURFACE
- OCEANOGRAPHY

### HYDROKINETICS

- USE HYDROMECHANICS

### HYDROLOGICAL CYCLE

- UF WATER CYCLE (HYDROLOGY)
- GS CYCLES
- HYDROLOGICAL CYCLE
- RT AIR WATER INTERACTIONS
- EARTH HYDROSPHERE
- EVAPORATION
- HYDROLOGY
- HYDROLOGY MODELS
- HYDROMETEOROLOGY
- PRECIPITATION (METEOROLOGY)

### HYDROLOGY

- GS HYDROLOGY
- HYDROGEOLOGY
- RT ALLUVIUM
- AQUIFERS
- CLIMATOLOGY
- DRAINAGE
- DRAINAGE PATTERNS
- DROUGHT
- EARTH HYDROSPHERE
- EARTH PLANETARY STRUCTURE
- FLOOD CONTROL
- FLOOD DAMAGE
- FLOOD PLAINS
- FLOOD PREDICTIONS
- FLOODS
- GEOCHEMISTRY
- GEOPHYSICS
- GREAT SALT LAKE (UT)
- HYDRAULICS
- HYDROCLIMATOLOGY
- HYDROGRAPHY
- HYDROLOGICAL CYCLE
- HYDROMETEOROLOGY
- ICE MAPPING
- INTERNATIONAL HYDROLOGICAL
- DECADE
- LAKE ERIE
- LAKE HURON
- LAKE MICHIGAN
- LAKE ONTARIO
- LAKE SUPERIOR
- LIMNOLOGY
- MARINE CHEMISTRY
- METEOROLOGICAL PARAMETERS
- METEOROLOGY
- OCEANOGRAPHY
- POLAR METEOROLOGY
- PRECIPITATION (METEOROLOGY)
- RAIN
- STREAMS
- STRUCTURAL PROPERTIES (GEOLOGY)
- WATER
- WATER MANAGEMENT
- WATER RESOURCES
- WATERSHEDS

### HYDROLOGY MODELS

- GS MODELS
- HYDROLOGY MODELS
- RT DRAINAGE
- FLOODS
- HYDROGEOLOGY
- HYDROLOGICAL CYCLE
- PRECIPITATION (METEOROLOGY)

### HYDROLOGY MODELS-(CONT.)

- RAIN
- STREAMS
- WATER FLOW

### HYDROLYSIS

- GS CHEMICAL REACTIONS
- HYDROLYSIS
- RT AMMONOLYSIS
- CRACKING (CHEMICAL ENGINEERING)
- EXTRACTION
- HYDRATION
- HYDROGEN PRODUCTION

### HYDROMAGNETIC FLOW

- USE MAGNETOHYDRODYNAMIC FLOW

### HYDROMAGNETIC STABILITY

- USE MAGNETOHYDRODYNAMIC STABILITY

### HYDROMAGNETIC WAVES

- USE MAGNETOHYDRODYNAMIC WAVES

### HYDROMAGNETICS

- USE MAGNETOHYDRODYNAMICS

### HYDROMAGNETISM

- USE MAGNETOHYDRODYNAMICS

### HYDROMECHANICS

- UF HYDROKINETICS
- GS FLUID MECHANICS
- HYDROMECHANICS
- HYDRODYNAMICS
- ELASTOHYDRODYNAMICS
- ELECTROHYDRODYNAMICS
- MAGNETOHYDRODYNAMICS
- HYDROSTATICS
- MAGNETOHYDROSTATICS
- RT FLUID DYNAMICS
- FLUID FLOW
- HYDRAULICS
- KINETICS
- SCIENCE
- WATER

### HYDROMETALLURGY

- RT CHLORINATION
- ELECTRODIALYSIS
- FILTRATION
- ION EXCHANGING
- LEACHING
- METALLURGY
- PRECIPITATION
- PRECIPITATION (CHEMISTRY)
- REFINING
- SULFATION

### HYDROMETEOROLOGY

- GS METEOROLOGY
- HYDROMETEOROLOGY
- MARINE METEOROLOGY
- RT AGROMETEOROLOGY
- HYDROGRAPHY
- HYDROLOGICAL CYCLE
- HYDROLOGY
- PRECIPITATION (CHEMISTRY)
- PRECIPITATION (METEOROLOGY)
- WATER BALANCE

### HYDROMETERS

- GS MEASURING INSTRUMENTS
- HYDROMETERS
- RT CHEMICAL ANALYSIS
- DENSITY (MASS/VOLUME)
- DENSITY MEASUREMENT
- WEIGHT MEASUREMENT

### HYDRONIUM IONS

- GS IONS
- MOLECULAR IONS
- HYDRONIUM IONS
- POSITIVE IONS
- HYDRONIUM IONS
- RT HYDROGEN
- HYDROGEN IONS

### HYDROPHONES

- UF HYDROBAROPHONES
- GS TRANSDUCERS
- SOUND TRANSDUCERS
- ELECTROACOUSTIC TRANSDUCERS
- HYDROPHONES
- RT MICROPHONES

# HYOSCINE

## HYDROPHONES-(CONT.)

SONAR  
SONOBUOYS

## HYDROPLANES (SURFACES)

UF HYDROSKIS  
RT HYDROFOILS  
HYDROPLANING  
SKIS  
∞ SYSTEMS

## HYDROPLANES (VEHICLES)

RT HYDROFOIL CRAFT  
HYDROPLANING  
∞ VEHICLES

## HYDROPLANING

RT HYDROFOILS  
HYDROPLANES (SURFACES)  
HYDROPLANES (VEHICLES)  
SKID LANDINGS  
SKIDDING  
WATER LANDING

## HYDROPONICS

RT AGRICULTURE  
AQUATIC PLANTS  
AQUICULTURE  
PLANTS (BOTANY)  
VEGETATION GROWTH

## HYDROPOWER STATIONS

USE HYDROELECTRIC POWER STATIONS

## HYDROPYROLYSIS

GS GASIFICATION  
. COAL GASIFICATION  
. . . HYDROPYROLYSIS  
RT COAL  
COAL LIQUEFACTION  
LIGNITE  
METHANATION  
METHANE

## HYDROSKIS

USE HYDROPLANES (SURFACES)

## HYDROSPHERE (EARTH)

USE EARTH HYDROSPHERE

## HYDROSPINNING

GS FORMING TECHNIQUES  
. METAL SPINNING  
. . . HYDROSPINNING  
METAL WORKING  
. METAL SPINNING  
. . . HYDROSPINNING  
SPIN  
. METAL SPINNING  
. . . HYDROSPINNING

## HYDROSTATIC PRESSURE

GS PRESSURE  
. STATIC PRESSURE  
. . . HYDROSTATIC PRESSURE  
RT CENTER OF PRESSURE  
ELEVATION  
HEAD (FLUID MECHANICS)  
HYDROSTATICS  
ISOSTATIC PRESSURE  
PRESSURE DEPENDENCE  
PRESSURE HEADS  
TRANSITION PRESSURE  
WATER PRESSURE

## HYDROSTATICS

GS FLUID MECHANICS  
. HYDROMECHANICS  
. . . HYDROSTATICS  
. . . MAGNETOHYDROSTATICS  
STATICS  
. HYDROSTATICS  
. . . MAGNETOHYDROSTATICS  
RT AEROSTATICS  
ELEVATION  
HEAD (FLUID MECHANICS)  
∞ HYDRAULICS  
HYDRODYNAMICS  
HYDROGEOLOGY  
HYDROSTATIC PRESSURE  
ISOSTASY  
PRESSURE GRADIENTS  
PRESSURE HEADS  
WATER

## HYDROSTATICS-(CONT.)

WATER PRESSURE

## HYDROSULFITES

GS HYDROGEN COMPOUNDS  
. HYDROSULFITES  
SULFUR COMPOUNDS  
. SULFITES  
. . . HYDROSULFITES

## HYDROTHERMAL CRYSTAL GROWTH

GS GROWTH  
. CRYSTAL GROWTH  
. . . HYDROTHERMAL CRYSTAL GROWTH  
RT ELECTROEPITAXY

## HYDROTHERMAL STRESS ANALYSIS

RT HYDROTHERMAL SYSTEMS  
HYGRAL PROPERTIES  
HYGROSCOPICITY  
MOISTURE CONTENT  
MOISTURE RESISTANCE

## HYDROTHERMAL SYSTEMS

RT AQUIFERS  
ENERGY CONVERSION  
GEOTHERMAL RESOURCES  
GEYSERS  
HEATING  
HYDROTHERMAL STRESS ANALYSIS  
SOLAR HEATING  
∞ SYSTEMS

## HYDROX ENGINES

USE HYDROGEN OXYGEN ENGINES

## HYDROXIDES

GS HYDROXIDES  
. LITHIUM HYDROXIDES  
. POTASSIUM HYDROXIDES  
. SODIUM HYDROXIDES  
RT ALKALIES

## HYDROXYCORTICOSTEROID

GS ORGANIC COMPOUNDS  
. LIPIDS  
. . . STEROIDS  
. . . CORTICOSTEROIDS  
. . . . HYDROXYCORTICOSTEROID  
. . . . CORTISONE  
SECRETIONS  
. ENDOCRINE SECRETIONS  
. . . HORMONES  
. . . CORTICOSTEROIDS  
. . . . HYDROXYCORTICOSTEROID  
. . . . CORTISONE  
RT ADRENAL METABOLISM

## HYDROXYL COMPOUNDS

GS HYDROXYL COMPOUNDS  
. ALCOHOLS  
. . . ETHYL ALCOHOL  
. . . GLYCOLS  
. . . ISOPROPYL ALCOHOL  
. . . METHYL ALCOHOL  
. . . PHENOLS  
. . . BISPHENOLS  
. . . CRESOLS  
. . . PHLOROGLUCINOL  
. . . THYMOL  
. . . POLYVINYL ALCOHOL  
. . . TRIOLS  
. . . CYANURIC ACID  
RT ∞ CHEMICAL COMPOUNDS  
ORGANIC COMPOUNDS

## HYDROXYL EMISSION

GS ELECTROMAGNETIC RADIATION  
. RADIO WAVES  
. . . RADIO EMISSION  
. . . . HYDROXYL EMISSION  
EMISSION  
. RADIO EMISSION  
. . . HYDROXYL EMISSION  
RT EMISSION SPECTRA  
RADIO SOURCES (ASTRONOMY)

## HYDROXYL RADICALS

GS RADICALS  
. FREE RADICALS  
. . . HYDROXYL RADICALS  
RT ALCOHOLS  
∞ CHEMISTRY  
FORMYL IONS

## HYDROXYL RADICALS-(CONT.)

GLYCOLS  
IONS

## HYDROXYLAMINE SULFATE

GS AMINES  
. HYDROXYLAMINE SULFATE  
SULFUR COMPOUNDS  
. SULFATES  
. . . HYDROXYLAMINE SULFATE

## HYDROXYLAMMONIUM PERCHLORATES

GS AMMONIUM COMPOUNDS  
. HYDROXYLAMMONIUM  
PERCHLORATES  
HALOGEN COMPOUNDS  
. CHLORINE COMPOUNDS  
. . . PERCHLORATES  
. . . . HYDROXYLAMMONIUM  
PERCHLORATES

## HYGIENE

GS HYGIENE  
. ORAL HYGIENE  
RT BATHING  
CLEANLINESS  
CONSUMABLES (SPACECREW SUPPLIES)  
HEALTH  
HOUSEKEEPING (SPACECRAFT)  
PUBLIC HEALTH  
SANITATION

## HYGRAL PROPERTIES

RT HUMIDITY  
HYDROTHERMAL STRESS ANALYSIS  
MOISTURE  
POROSITY  
∞ PROPERTIES

## HYGROMETERS

GS MEASURING INSTRUMENTS  
. MOISTURE METERS  
. . . HYGROMETERS  
. . . . PSYCHROMETERS  
RT CHEMICAL ANALYSIS  
DEW POINT  
HUMIDITY  
HUMIDITY MEASUREMENT  
METEOROLOGICAL INSTRUMENTS

## HYGROSCOPICITY

RT CHEMICAL PROPERTIES  
HYDROTHERMAL STRESS ANALYSIS  
MATERIAL ABSORPTION  
MOISTURE CONTENT  
MOISTURE RESISTANCE  
∞ PHYSICAL PROPERTIES  
SOLUBILITY  
WETTABILITY

## HYLA-STAR ROCKET VEHICLE

GS LAUNCH VEHICLES  
. HYL-STAR ROCKET VEHICLE  
ROCKET VEHICLES  
. SINGLE STAGE ROCKET VEHICLES  
. . . HYL-STAR ROCKET VEHICLE  
RT LIQUID PROPELLANT ROCKET ENGINES  
TITAN 2 ICBM

## HYLLERAAS COORDINATES

GS COORDINATES  
. HYLLERAAS COORDINATES  
RT QUANTUM MECHANICS  
TWO BODY PROBLEM

## HYOSCINE

UF SCOPOLAMINE  
GS AMINES  
. HYOSCINE  
BASES (CHEMICAL)  
. ALKALOIDS  
. . . HYOSCINE  
EPOXY COMPOUNDS  
. HYOSCINE  
NITROGEN COMPOUNDS  
. ALKALOIDS  
. . . HYOSCINE  
ORGANIC COMPOUNDS  
. CYCLIC COMPOUNDS  
. . . HETEROCYCLIC COMPOUNDS  
. . . ALKALOIDS  
. . . . HYOSCINE



## HYPERBARIC CHAMBERS

### HYPERBARIC CHAMBERS

- GS COMPARTMENTS
  - . TEST CHAMBERS
  - . . . PRESSURE CHAMBERS
  - . . . . **HYPERBARIC CHAMBERS**
- RT  $\infty$  CHAMBERS
  - . HIGH PRESSURE
  - . VACUUM CHAMBERS

### HYPERBOLAS

- GS GEOMETRY
  - . EUCLIDEAN GEOMETRY
  - . . ANALYTIC GEOMETRY
  - . . . CONICS
  - . . . . **HYPERBOLAS**
- RT HYPERBOLIC TRAJECTORIES

### HYPERBOLIC COORDINATES

- UF HYPERBOLIC SPACE
- GS COORDINATES
  - . **HYPERBOLIC COORDINATES**

### HYPERBOLIC DIFFERENTIAL EQUATIONS

- GS ANALYSIS (MATHEMATICS)
  - . REAL VARIABLES
  - . . DIFFERENTIAL EQUATIONS
  - . . . **HYPERBOLIC DIFFERENTIAL EQUATIONS**
- RT DIRICHLET PROBLEM
  - $\infty$  EQUATIONS
  - . WAVE EQUATIONS

### HYPERBOLIC FUNCTIONS

- GS ANALYSIS (MATHEMATICS)
  - . COMPLEX VARIABLES
  - . . **HYPERBOLIC FUNCTIONS**
  - . . . REAL VARIABLES
  - . . . . **HYPERBOLIC FUNCTIONS**
  - . . . . . FUNCTIONS (MATHEMATICS)
  - . . . . . **HYPERBOLIC FUNCTIONS**
- RT EXPONENTIAL FUNCTIONS
  - $\infty$  HYPERBOLIC SYSTEMS
  - . METHOD OF CHARACTERISTICS
  - . ORTHOGONAL FUNCTIONS
  - . RIEMANN WAVES
  - . RIESZ THEOREM

### HYPERBOLIC NAVIGATION

- GS NAVIGATION
  - . RADIO NAVIGATION
  - . . **HYPERBOLIC NAVIGATION**
  - . . . DECCA NAVIGATION
  - . . . . LORAN NAVIGATION SYSTEM
  - . . . . . LORAN
  - . . . . . . LORAN C
  - . . . . . . LORAN D
  - . . . . . . SHORAN
- RT AIR NAVIGATION
  - $\infty$  HYPERBOLIC SYSTEMS
  - . INERTIAL NAVIGATION
  - . SURFACE NAVIGATION

### HYPERBOLIC REENTRY

- GS ATMOSPHERIC ENTRY
  - . REENTRY
  - . . **HYPERBOLIC REENTRY**
- RT REENTRY TRAJECTORIES

### HYPERBOLIC SPACE

- USE HYPERBOLIC COORDINATES

### $\infty$ HYPERBOLIC SYSTEMS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT HYPERBOLIC FUNCTIONS
  - . HYPERBOLIC NAVIGATION
  - $\infty$  SYSTEMS

### HYPERBOLIC TRAJECTORIES

- GS TRAJECTORIES
  - . **HYPERBOLIC TRAJECTORIES**
- RT CELESTIAL MECHANICS
  - . ESCAPE VELOCITY
  - . HYPERBOLAS
  - . SPACECRAFT TRAJECTORIES

### HYPERCAPNIA

- GS CARBON DIOXIDE TENSION
  - . **HYPERCAPNIA**
- RT BLOOD
  - $\infty$  BREATHING
  - . RESPIRATORY RATE
  - . RESPIRATORY SYSTEM

### HYPERCUBE MULTIPROCESSORS

- GS DATA PROCESSING EQUIPMENT
  - . COMPUTERS
  - . . **HYPERCUBE MULTIPROCESSORS**
- RT ARCHITECTURE (COMPUTERS)
  - . INTERPROCESSOR COMMUNICATION
  - . MULTIPROCESSING (COMPUTERS)
  - . PARALLEL COMPUTERS
  - . PARALLEL PROCESSING (COMPUTERS)
  - . SUPERCOMPUTERS

### HYPERFINE STRUCTURE

- RT ATOMIC STRUCTURE
  - . FINE STRUCTURE
  - . . LINE SPECTRA
  - . . . MUON SPIN ROTATION
  - . . . . SPECTRUM ANALYSIS
  - . . . . .  $\infty$  STRUCTURES

### HYPERGEOMETRIC FUNCTIONS

- UF JACOBI POLYNOMIALS
- GS ANALYSIS (MATHEMATICS)
  - . COMPLEX VARIABLES
  - . . **HYPERGEOMETRIC FUNCTIONS**
  - . . . FUNCTIONS (MATHEMATICS)
  - . . . . **HYPERGEOMETRIC FUNCTIONS**
- RT BESSEL FUNCTIONS
  - . GEOMETRY
  - . HYPERSPACES

### HYPERGEOMETRY

- USE HYPERSPACES

### HYPERGLYCEMIA

- GS METABOLISM
  - . CARBOHYDRATE METABOLISM
  - . . **HYPERGLYCEMIA**

### HYPERGOLIC ROCKET PROPELLANTS

- GS PROPELLANTS
  - . ROCKET PROPELLANTS
  - . . LIQUID ROCKET PROPELLANTS
  - . . . **HYPERGOLIC ROCKET PROPELLANTS**
- RT CRYOGENIC ROCKET PROPELLANTS
  - . GELLED ROCKET PROPELLANTS
  - . HYBRID PROPELLANTS
  - . HYDROCARBON FUELS
  - . PYROPHORIC MATERIALS
  - . SOLID PROPELLANT IGNITION
  - . SPONTANEOUS COMBUSTION
  - . STORABLE PROPELLANTS

### HYPERION

- GS CELESTIAL BODIES
  - . NATURAL SATELLITES
  - . . ICY SATELLITES
  - . . . **HYPERION**
  - . . . . SATURN SATELLITES
  - . . . . . **HYPERION**
- RT SATURN (PLANET)

### HYPERKINESIA

- GS PHYSICAL EXERCISE
  - . **HYPERKINESIA**
- RT EXHAUSTION
  - . FATIGUE (BIOLOGY)
  - . HYPOKINESIA
  - . STRESS (PHYSIOLOGY)
  - . WORK CAPACITY

### HYPERNEA

- RT MENTAL PERFORMANCE

### HYPERNUCLEI

- GS PARTICLES
  - . CHARGED PARTICLES
  - . . ENERGETIC PARTICLES
  - . . . NUCLEI (NUCLEAR PHYSICS)
  - . . . . **HYPERNUCLEI**
- RT ELEMENTARY PARTICLES
  - . RADIOACTIVE DECAY

### HYPERONS

- GS PARTICLES
  - . ELEMENTARY PARTICLES
  - . . FERMIONS
  - . . . BARYONS
  - . . . . **HYPERONS**
  - . . . . . XI HYPERONS
- RT ANTIPARTICLES
  - . BARYON RESONANCE
  - . CHARGED PARTICLES
  - . MESON RESONANCE

### HYPERONS-(CONT.)

- . NUCLEONS
- . STRANGENESS

### HYPEROPIA

- GS ACUITY
  - . VISUAL ACUITY
  - . . **HYPEROPIA**
  - . . . DEFECTS
  - . . . . **HYPEROPIA**
- RT EYE DISEASES
  - . VISION

### HYPEROXIA

- UF OXYGEN TOXICITY
- RT HYPERVENTILATION
  - . OXIMETRY
  - . OXYGEN CONSUMPTION
  - . TOXIC DISEASES
  - . TOXICITY

### HYPERPLANES

- GS ANALYSIS (MATHEMATICS)
  - . REAL VARIABLES
  - . . **HYPERPLANES**
- RT HYPERSPACES
  - . POLYTOPES
  - . SET THEORY

### HYPERPNEA

- RT  $\infty$  BREATHING
  - . RESPIRATORY RATE

### HYPERSONNIA

- GS SLEEP
  - . **HYPERSONNIA**

### HYPERSONIC AIRCRAFT

- GS HYPERSONIC VEHICLES
  - . **HYPERSONIC AIRCRAFT**
  - . . HYPERSONIC GLIDERS
  - . . . X-20 AIRCRAFT
- RT AEROSPACE PLANES
  - $\infty$  AIRCRAFT
    - . BOOSTGLIDE VEHICLES
    - . HYPERSONICS
    - . JET AIRCRAFT
  - $\infty$  LOW WING AIRCRAFT
    - . RESEARCH AIRCRAFT
    - . SUPERSONIC AIRCRAFT
    - . SWEEPBACK TAIL SURFACES
    - . SWEEPBACK WINGS
    - . TRAPEZOIDAL TAIL SURFACES

### HYPERSONIC BOUNDARY LAYER

- GS BOUNDARY LAYERS
  - . **HYPERSONIC BOUNDARY LAYER**
- RT LAMINAR BOUNDARY LAYER
  - . THERMAL BOUNDARY LAYER
  - . TURBULENT BOUNDARY LAYER

### HYPERSONIC COMBUSTION

- GS COMBUSTION
  - . **HYPERSONIC COMBUSTION**
- RT EROSION BURNING
  - . FUEL COMBUSTION

### HYPERSONIC FLIGHT

- RT AERODYNAMICS
  - $\infty$  FLIGHT
    - . HYPERSONICS
    - . MISSILES
    - . ROCKET FLIGHT
    - . SUPERSONIC FLIGHT
    - . WAVERIDERS

### HYPERSONIC FLOW

- GS FLUID FLOW
  - . **HYPERSONIC FLOW**
- RT AERODYNAMICS
  - . CASCADE WIND TUNNELS
  - . COMPRESSIBLE FLOW
  - . FLOW VELOCITY
  - . GAS FLOW
  - . HYPERSONICS
  - . HYPERVELOCITY WIND TUNNELS
  - . LIGHTHILL GAS MODEL
  - . SHOCK TUBES
  - . SHOCK TUNNELS
  - . SHOCK WAVES
  - . SUPERSONIC FLOW
  - . WIND TUNNELS

## HYPERVELOCITY WIND TUNNELS

### HYPERSONIC FORCES

- GS AERODYNAMIC FORCES
  - . **HYPERSONIC FORCES**
- RT AERODYNAMIC DRAG
  - . HYPERSONICS
  - . LIFT

### HYPERSONIC GLIDERS

- GS GLIDERS
  - . **HYPERSONIC GLIDERS**
  - . . . X-20 AIRCRAFT
  - . HYPERSONIC VEHICLES
  - . HYPERSONIC AIRCRAFT
  - . . **HYPERSONIC GLIDERS**
  - . . . X-20 AIRCRAFT
- RT AEROSPACE PLANES
  - ∞ AIRCRAFT
  - ASSET GLIDERS
  - BOOSTGLIDE VEHICLES
  - HL-10 REENTRY VEHICLE
  - HL-35 REENTRY VEHICLE
  - LIFTING REENTRY VEHICLES
  - PARAGLIDERS

### HYPERSONIC HEAT TRANSFER

- GS TRANSMISSION
  - . HEAT TRANSMISSION
  - . . HEAT TRANSFER
  - . . . AERODYNAMIC HEAT TRANSFER
  - . . . . **HYPERSONIC HEAT TRANSFER**
- RT AEROTHERMODYNAMICS
  - . HYPERSONICS
  - . SUPERSONIC HEAT TRANSFER

### HYPERSONIC INLETS

- GS INTAKE SYSTEMS
  - . AIR INTAKES
  - . . **HYPERSONIC INLETS**
- RT BYPASS RATIO
  - ∞ DIFFUSERS
  - ENGINE INLETS
  - INLET AIRFRAME CONFIGURATIONS
  - NOSE INLETS
  - SIDE INLETS
  - SUPERSONIC INLETS

### HYPERSONIC NOZZLES

- RT CONICAL NOZZLES
  - ∞ NOZZLES
  - ROCKET NOZZLES
  - SUPERSONIC NOZZLES
  - TRANSONIC NOZZLES
  - WIND TUNNEL NOZZLES

### HYPERSONIC REENTRY

- GS ATMOSPHERIC ENTRY
  - . REENTRY
  - . . **HYPERSONIC REENTRY**
  - . . . UNCONTROLLED REENTRY (SPACECRAFT)
- RT AERODYNAMIC HEATING
  - . AEROTHERMODYNAMICS
  - . BERENICE ROCKET VEHICLE
  - . BOUNDARY LAYER PLASMAS
  - . ENTRY GUIDANCE (STS)
  - . REENTRY EFFECTS
  - . REENTRY PHYSICS
  - . SPACECRAFT REENTRY

### HYPERSONIC SHOCK

- RT HYPERSONICS
  - . MACH CONES
  - . NOISE (SOUND)
  - . SHOCK WAVES

### HYPERSONIC SPEED

- SN (MACH 5 OR GREATER)
- GS RATES (PER TIME)
  - . **HYPERSONIC SPEED**
  - . VELOCITY
  - . . **HYPERSONIC SPEED**
- RT HIGH SPEED
  - . HYPERSONICS
  - ∞ HYPERVELOCITY
  - SUPERSONIC SPEED

### HYPERSONIC TEST APPARATUS

- RT HYPERSONICS
  - . HYPERVELOCITY WIND TUNNELS
  - . MISSILE RANGES
  - . SUPERSONIC TEST APPARATUS
  - ∞ TEST EQUIPMENT

### HYPERSONIC VEHICLES

- GS **HYPERSONIC VEHICLES**
  - . HYPERSONIC AIRCRAFT
  - . . HYPERSONIC GLIDERS
  - . . . X-20 AIRCRAFT
  - . . X-30 VEHICLE
- RT ∞ FLIGHT VEHICLES
  - . HYPERSONICS
  - ∞ INSULATED STRUCTURES
  - NATIONAL AEROSPACE PLANE PROGRAM
  - RECOVERABLE SPACECRAFT
  - REENTRY VEHICLES
  - ∞ SPACECRAFT
  - TEST VEHICLES
  - ∞ VEHICLES
  - WAVERIDERS
  - ∞ WINGED VEHICLES

### HYPERSONIC WAKES

- GS WAKES
  - . **HYPERSONIC WAKES**
- RT AIRCRAFT WAKES
  - . BOW WAVES
  - . HYPERSONICS
  - . SHOCK WAVES
  - . SUPERSONIC WAKES

### HYPERSONIC WIND TUNNELS

- GS TEST FACILITIES
  - . WIND TUNNELS
  - . . **HYPERSONIC WIND TUNNELS**
  - . . . CASCADE WIND TUNNELS
  - . . . HOTSHOT WIND TUNNELS
  - . . . PLASMA JET WIND TUNNELS
  - . . . SHOCK TUNNELS
- RT BLOWDOWN WIND TUNNELS
  - . COMBUSTION WIND TUNNELS
  - . HYPERVELOCITY WIND TUNNELS
  - . LOW DENSITY WIND TUNNELS
  - . MAGNETIC PISTONS
  - . SHOCK TUBES
  - . SUBSONIC WIND TUNNELS
  - . SUPERSONIC WIND TUNNELS
  - . TRANSONIC WIND TUNNELS

### HYPERSONICS

- GS FLUID MECHANICS
  - . FLUID DYNAMICS
  - . . GAS DYNAMICS
  - . . . AERODYNAMICS
  - . . . . **HYPERSONICS**
- RT AEROTHERMODYNAMICS
  - . HYPERSONIC AIRCRAFT
  - . HYPERSONIC FLIGHT
  - . HYPERSONIC FLOW
  - . HYPERSONIC FORCES
  - . HYPERSONIC HEAT TRANSFER
  - . HYPERSONIC SHOCK
  - . HYPERSONIC SPEED
  - . HYPERSONIC TEST APPARATUS
  - . HYPERSONIC VEHICLES
  - . HYPERSONIC WAKES
  - . SUPERSONIC SPEED
  - . SUPERSONICS

### HYPERSPACES

- UF HYPERGEOMETRY
- RT HYPERGEOMETRIC FUNCTIONS
  - . HYPERPLANES
  - . HYPERSPHERES
  - . PHASE-SPACE INTEGRAL
  - ∞ SPACE

### HYPERSPHERES

- RT GEOMETRY
  - . HYPERSPACES
  - . REAL VARIABLES

### HYPERTENSIN

- GS DRUGS
  - . VASOCONSTRICTOR DRUGS
  - . . **HYPERTENSIN**
  - . . . ORGANIC COMPOUNDS
  - . . . PEPTIDES
  - . . . POLYPEPTIDES
  - . . . . **HYPERTENSIN**
  - . . . SECRETIONS
  - . . . ENDOCRINE SECRETIONS
  - . . . HORMONES
  - . . . . **HYPERTENSIN**

### HYPERTENSION

- GS PRESSURE
  - . BLOOD PRESSURE

### HYPERTENSION-(CONT.)

- . **HYPERTENSION**
- RT MYOCARDIAL INFARCTION
  - . TRANQUILIZERS

### HYPERTHERMIA

- RT BODY TEMPERATURE
  - . FEVER
  - . HEAT STROKE
  - . SKIN TEMPERATURE (BIOLOGY)
  - . THERMOREGULATION

### HYPERTONIA

- USE OSMOSIS

### HYPERTROPHY

- USE GROWTH

### ∞ HYPERVELOCITY

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT ESCAPE VELOCITY
  - . HYPERSONIC SPEED
  - . ORBITAL VELOCITY
  - . RELATIVISTIC VELOCITY

### HYPERVELOCITY ACCELERATORS

- USE HYPERVELOCITY GUNS

### HYPERVELOCITY CRATERING

- USE HYPERVELOCITY PROJECTILES
- PROJECTILE CRATERING

### HYPERVELOCITY FLOW

- GS FLUID FLOW
  - . **HYPERVELOCITY FLOW**
- RT FLOW VELOCITY
  - . SUPERSONIC FLOW

### HYPERVELOCITY GUNS

- UF HYPERVELOCITY ACCELERATORS
- RT ∞ ACCELERATORS
  - . BALLISTICS
  - . GAS GUNS
  - ∞ GUNS
  - GUNS (ORDNANCE)
  - RAILGUN ACCELERATORS

### HYPERVELOCITY IMPACT

- GS IMPACT
  - . **HYPERVELOCITY IMPACT**
- RT HYDRODYNAMIC RAM EFFECT
  - . IMPACT SELTS
  - . MECHANICAL SHOCK
  - . METEORITE COLLISIONS
  - . METEORITIC DAMAGE
  - . POINT IMPACT
  - . PROJECTILE CRATERING

### HYPERVELOCITY LAUNCHERS

- GS LAUNCHERS
  - . **HYPERVELOCITY LAUNCHERS**
- RT GUN LAUNCHERS
  - . RAILGUN ACCELERATORS

### HYPERVELOCITY PROJECTILES

- UF HYPERVELOCITY CRATERING
- GS PROJECTILES
  - . **HYPERVELOCITY PROJECTILES**
- RT ∞ BOMBARDMENT
  - . LIGHT GAS GUNS
  - . METEORIODS
  - . MICROMETEORITES
  - . PROJECTILE CRATERING
  - . SIMULATION

### HYPERVELOCITY WIND TUNNELS

- SN (ABOVE MACH 10)
- GS TEST FACILITIES
  - . WIND TUNNELS
  - . . **HYPERVELOCITY WIND TUNNELS**
  - . . . CASCADE WIND TUNNELS
  - . . . HOTSHOT WIND TUNNELS
  - . . . PLASMA JET WIND TUNNELS
  - . . . SHOCK TUNNELS
- RT BLOWDOWN WIND TUNNELS
  - . COMBUSTION WIND TUNNELS
  - . HYPERSONIC FLOW
  - . HYPERSONIC TEST APPARATUS
  - . HYPERSONIC WIND TUNNELS
  - . LOW DENSITY WIND TUNNELS
  - . MAGNETIC PISTONS
  - . SHOCK TUBES

## **HYPERVENTILATION**

### **HYPERVELOCITY WIND TUNNELS-(CONT.)** SUPERSONIC WIND TUNNELS

#### **HYPERVENTILATION**

RT ACIDOSIS  
ALKALOSIS  
HYPEROXIA

#### **HYPERVOLEMIA**

RT BLOOD CIRCULATION  
BLOOD VOLUME  
CIRCULATORY SYSTEM

#### **HYPNOSIS**

GS SLEEP  
HYPNOSIS  
RT ANESTHESIA  
SUGGESTION

#### **HYPOBARIC ATMOSPHERES**

RT ALTITUDE SIMULATION  
ALTITUDE TOLERANCE  
ATMOSPHERES  
HIGH ALTITUDE BREATHING  
HIGH ALTITUDE ENVIRONMENTS  
HIGH ALTITUDE PRESSURE  
LOW PRESSURE  
VACUUM TESTS

#### **HYPOCAPNIA**

GS CARBON DIOXIDE TENSION  
HYPOCAPNIA  
RT BLOOD

#### **HYPODERMIS**

GS TISSUES (BIOLOGY)  
HYPODERMIS

#### **HYPODYNAMIA**

RT MUSCLES  
MUSCULAR FUNCTION

#### **HYPOELASTICITY**

GS MECHANICAL PROPERTIES  
ELASTIC PROPERTIES  
HYPOELASTICITY

#### **HYPOGLYCEMIA**

GS METABOLISM  
CARBOHYDRATE METABOLISM  
HYPOGLYCEMIA

#### **HYPOKINESIA**

RT HEAD DOWN TILT  
HYPERKINESIA  
MUSCULAR FUNCTION  
MUSCULOSKELETAL SYSTEM  
PHYSICAL EXERCISE

#### **HYPOMETABOLISM**

GS METABOLISM  
HYPOMETABOLISM  
RT THYROID GLAND

#### **HYPOPHYSIS**

USE PITUITARY GLAND

#### **HYPOTENSION**

GS PRESSURE  
BLOOD PRESSURE  
HYPOTENSION  
RT HEMORRHAGES

#### **HYPOTHALAMUS**

GS ANATOMY  
GLANDS (ANATOMY)  
ENDOCRINE GLANDS  
HYPOTHALAMUS  
NERVOUS SYSTEM  
CENTRAL NERVOUS SYSTEM  
BRAIN  
DIENTEPHALON  
HYPOTHALAMUS  
RT PITUITARY GLAND

#### **HYPOTHERMIA**

RT BODY TEMPERATURE  
SKIN TEMPERATURE (BIOLOGY)  
THERMOREGULATION

#### **HYPOTHESES**

GS HYPOTHESES  
EXPECTANCY HYPOTHESIS

### **HYPOTHESES-(CONT.)**

INTERMITTENCY HYPOTHESIS  
LAGRANGE SIMILARITY HYPOTHESIS  
NULL HYPOTHESIS  
VORTICITY TRANSPORT HYPOTHESIS

#### **RT**

ASSUMPTIONS  
INFERENCE  
MATHEMATICAL LOGIC  
QUALITY CONTROL  
THEOREMS  
THEORIES  
THESES

#### **HYPOTONIA**

GS MUSCULAR TONUS  
HYPOTONIA  
RT MUSCULAR FUNCTION

#### **HYPOVENTILATION**

GS RATES (PER TIME)  
RESPIRATORY RATE  
HYPOVENTILATION

#### **HYPOVOLEMIA**

RT BLOOD CIRCULATION  
BLOOD VOLUME

#### **HYPOXEMIA**

GS PRESSURE  
PARTIAL PRESSURE  
OXYGEN TENSION  
HYPOXEMIA  
RT HYPOXIA

#### **HYPOXIA**

UF OXYGEN DEFICIENCY  
RT ANOXIA  
FASTING  
HYPOXEMIA  
OXIMETRY  
OXYGEN CONSUMPTION  
STRESS (PHYSIOLOGY)

#### **HYPISOGRAPHY**

GS GEOGRAPHY  
HYPISOGRAPHY  
RT CONTOURS  
DATUM (ELEVATION)  
ELEVATION  
MAPPING  
MAPS  
RELIEF MAPS  
TOPOGRAPHY

#### **HYPSONETERS**

GS MEASURING INSTRUMENTS  
HYPSONETERS  
RT ALTIMETERS  
BAROMETERS  
METEOROLOGICAL INSTRUMENTS  
PRESSURE GAGES

#### **HYSTERESIS**

RT ACCURACY  
ANTIFERROELECTRICITY  
ANTIFERROMAGNETISM  
DAMPING  
DYNAMIC CHARACTERISTICS  
EDDY CURRENTS  
ELECTRICAL PROPERTIES  
ERRORS  
INTERNAL FRICTION  
MAGNETIC PERMEABILITY  
MAGNETIC PROPERTIES  
MECHANICAL PROPERTIES  
OPTICAL BISTABILITY  
PHYSICAL PROPERTIES  
PRECISION  
RETARDING  
SHEAR PROPERTIES  
TENSILE STRENGTH  
TIME LAG  
TOLERANCES (MECHANICS)  
VISCOELASTICITY  
VISCOPLASTICITY

### **I BEAMS**

GS STRUCTURAL MEMBERS  
BEAMS (SUPPORTS)

### **I BEAMS-(CONT.)**

#### **I BEAMS**

RT CANTILEVER BEAMS  
CURVED BEAMS  
TRUSSES

#### **IAPETUS**

GS CELESTIAL BODIES  
NATURAL SATELLITES  
ICY SATELLITES  
IAPETUS  
SATURN SATELLITES  
IAPETUS  
RT CHARON  
SATURN (PLANET)

#### **IBM COMPUTERS**

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
IBM COMPUTERS  
IBM 360 COMPUTER  
IBM 370 COMPUTER  
IBM 650 COMPUTER  
IBM 704 COMPUTER  
IBM 709 COMPUTER  
IBM 1130 COMPUTER  
IBM 1401 COMPUTER  
IBM 1410 COMPUTER  
IBM 1620 COMPUTER  
IBM 2250 COMPUTER  
IBM 7000 SERIES COMPUTERS  
IBM 7030 COMPUTER  
IBM 7040 COMPUTER  
IBM 7044 COMPUTER  
IBM 7070 COMPUTER  
IBM 7074 COMPUTER  
IBM 7090 COMPUTER  
IBM 7094 COMPUTER  
RT DIGITAL COMPUTERS

#### **IBM 360 COMPUTER**

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
IBM 360 COMPUTER  
IBM COMPUTERS  
IBM 360 COMPUTER

#### **IBM 370 COMPUTER**

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
IBM 370 COMPUTER  
IBM COMPUTERS  
IBM 370 COMPUTER

#### **IBM 650 COMPUTER**

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
IBM 650 COMPUTER  
IBM COMPUTERS  
IBM 650 COMPUTER

#### **IBM 704 COMPUTER**

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
IBM 704 COMPUTER  
IBM COMPUTERS  
IBM 704 COMPUTER

#### **IBM 709 COMPUTER**

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
IBM 709 COMPUTER  
IBM COMPUTERS  
IBM 709 COMPUTER

#### **IBM 1130 COMPUTER**

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
IBM 1130 COMPUTER  
IBM COMPUTERS  
IBM 1130 COMPUTER

#### **IBM 1401 COMPUTER**

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
IBM 1401 COMPUTER  
IBM COMPUTERS

## ICY SATELLITES

### IBM 1401 COMPUTER-(CONT.)

... IBM 1401 COMPUTER

### IBM 1410 COMPUTER

GS DATA PROCESSING EQUIPMENT  
... COMPUTERS  
... DIGITAL COMPUTERS  
... IBM 1410 COMPUTER  
... IBM COMPUTERS  
... IBM 1410 COMPUTER

### IBM 1620 COMPUTER

GS DATA PROCESSING EQUIPMENT  
... COMPUTERS  
... DIGITAL COMPUTERS  
... IBM 1620 COMPUTER  
... IBM COMPUTERS  
... IBM 1620 COMPUTER

### IBM 2250 COMPUTER

GS DATA PROCESSING EQUIPMENT  
... COMPUTERS  
... DIGITAL COMPUTERS  
... IBM 2250 COMPUTER  
... IBM COMPUTERS  
... IBM 2250 COMPUTER

### IBM 7000 SERIES COMPUTERS

GS DATA PROCESSING EQUIPMENT  
... COMPUTERS  
... DIGITAL COMPUTERS  
... IBM 7000 SERIES COMPUTERS  
... IBM 7030 COMPUTER  
... IBM 7040 COMPUTER  
... IBM 7044 COMPUTER  
... IBM 7070 COMPUTER  
... IBM 7074 COMPUTER  
... IBM 7090 COMPUTER  
... IBM 7094 COMPUTER  
... IBM COMPUTERS  
... IBM 7000 SERIES COMPUTERS  
... IBM 7030 COMPUTER  
... IBM 7040 COMPUTER  
... IBM 7044 COMPUTER  
... IBM 7070 COMPUTER  
... IBM 7074 COMPUTER  
... IBM 7090 COMPUTER  
... IBM 7094 COMPUTER

### IBM 7030 COMPUTER

GS DATA PROCESSING EQUIPMENT  
... COMPUTERS  
... DIGITAL COMPUTERS  
... IBM 7000 SERIES COMPUTERS  
... IBM 7030 COMPUTER  
... IBM COMPUTERS  
... IBM 7000 SERIES COMPUTERS  
... IBM 7030 COMPUTER

### IBM 7040 COMPUTER

GS DATA PROCESSING EQUIPMENT  
... COMPUTERS  
... DIGITAL COMPUTERS  
... IBM 7000 SERIES COMPUTERS  
... IBM 7040 COMPUTER  
... IBM COMPUTERS  
... IBM 7000 SERIES COMPUTERS  
... IBM 7040 COMPUTER

### IBM 7044 COMPUTER

GS DATA PROCESSING EQUIPMENT  
... COMPUTERS  
... DIGITAL COMPUTERS  
... IBM 7000 SERIES COMPUTERS  
... IBM 7044 COMPUTER  
... IBM COMPUTERS  
... IBM 7000 SERIES COMPUTERS  
... IBM 7044 COMPUTER

### IBM 7070 COMPUTER

GS DATA PROCESSING EQUIPMENT  
... COMPUTERS  
... DIGITAL COMPUTERS  
... IBM 7000 SERIES COMPUTERS  
... IBM 7070 COMPUTER  
... IBM COMPUTERS  
... IBM 7000 SERIES COMPUTERS  
... IBM 7070 COMPUTER

### IBM 7074 COMPUTER

GS DATA PROCESSING EQUIPMENT  
... COMPUTERS  
... DIGITAL COMPUTERS  
... IBM 7000 SERIES COMPUTERS

### IBM 7074 COMPUTER-(CONT.)

... IBM 7074 COMPUTER  
... IBM COMPUTERS  
... IBM 7000 SERIES COMPUTERS  
... IBM 7074 COMPUTER

### IBM 7090 COMPUTER

GS DATA PROCESSING EQUIPMENT  
... COMPUTERS  
... DIGITAL COMPUTERS  
... IBM 7000 SERIES COMPUTERS  
... IBM 7090 COMPUTER  
... IBM COMPUTERS  
... IBM 7000 SERIES COMPUTERS  
... IBM 7090 COMPUTER

### IBM 7094 COMPUTER

GS DATA PROCESSING EQUIPMENT  
... COMPUTERS  
... DIGITAL COMPUTERS  
... IBM 7000 SERIES COMPUTERS  
... IBM 7094 COMPUTER  
... IBM COMPUTERS  
... IBM 7000 SERIES COMPUTERS  
... IBM 7094 COMPUTER

### ICARUS ASTEROID

GS CELESTIAL BODIES  
... ASTEROID BELTS,  
... ASTEROIDS  
... ICARUS ASTEROID

### ICBM (MISSILES)

USE INTERCONTINENTAL BALLISTIC MISSILES

### ICE

GS ICE  
... BAY ICE  
... GLACIERS  
... LAKE ICE  
... ICE FLOES  
... LAND ICE  
... SEA ICE  
... ICE FLOES  
... ICEBERGS  
... PRESSURE ICE  
RT AUFEIS (ICE)  
CIRQUES (LANDFORMS)  
FROST  
POLAR CAPS  
REFRIGERANTS  
RUNWAY CONDITIONS  
SLUSH  
STORMS (METEOROLOGY)  
WATER

### ICE ENVIRONMENTS

UF ANTARCTIC ENVIRONMENT  
ARCTIC ENVIRONMENTS  
GS ENVIRONMENTS  
... ICE ENVIRONMENTS  
RT ENVIRONMENT EFFECTS  
MARINE ENVIRONMENTS  
SEA ICE

### ICE FLOES

GS ICE  
... LAKE ICE  
... ICE FLOES  
... SEA ICE  
... ICE FLOES  
RT OCEANOGRAPHY

### ICE FORMATION

UF ICING  
GS ICE FORMATION  
... CLOUD GLACIATION  
RT BAY ICE  
FOULING  
FREEZING  
HAIL  
LAKE ICE  
LOW TEMPERATURE  
PRESSURE ICE  
SEA ICE  
SNOW

### ICE MAPPING

GS MAPPING  
... ICE MAPPING  
RT AERIAL PHOTOGRAPHY  
BAY ICE  
EARTH RESOURCES  
HYDROGRAPHY

### ICE MAPPING-(CONT.)

HYDROLOGY  
INFRARED PHOTOGRAPHY  
OCEANOGRAPHY  
PHOTO GEOLOGY  
PHOTOGRAPHY  
PHOTOMAPPING  
SEA ICE  
SPACE SURVEILLANCE (SPACEBORNE)  
SURVEILLANCE

### ICE NUCLEI

RT AITKEN NUCLEI  
CLOUD GLACIATION  
CONDENSATION NUCLEI  
FREEZING  
NUCLEATION  
... NUCLEI

### ICE OBSERVATION

USE ICE REPORTING

### ICE PACKS

USE SEA ICE

### ICE PREVENTION

GS PREVENTION  
... ICE PREVENTION  
RT ANTICIPATING ADDITIVES  
DEFROSTING  
DEICERS  
DEICING  
HEAT TAPES  
HEATING  
MELTING  
STORM SUPPRESSION

### ICE REPORTING

UF ICE OBSERVATION  
RT BAY ICE  
ICEBERGS  
METEOROLOGICAL FLIGHT  
POLAR METEOROLOGY  
SPACE SURVEILLANCE (SPACEBORNE)  
SURVEILLANCE

### ICE SHELVES

USE LAND ICE

### ICEBERGS

GS ICE  
... SEA ICE  
... ICEBERGS  
RESOURCES  
... EARTH RESOURCES  
... ICEBERGS  
RT ICE REPORTING  
LAND ICE

### ICELAND

GS LANDFORMS  
... ISLANDS  
... ICELAND  
NATIONS  
... ICELAND

### ICHTHYOLOGY

RT FISHES  
SCHOOLS (FISH)

### ICING

USE ICE FORMATION

### ICL COMPUTERS

UF INTERNATIONAL COMPUTERS LIMITED  
GS DATA PROCESSING EQUIPMENT  
... COMPUTERS  
... DIGITAL COMPUTERS  
... ICL COMPUTERS  
RT EUROPEAN SPACE AGENCY

### ICOSAHEDRONS

GS GEOMETRY  
... EUCLIDEAN GEOMETRY  
... POLYHEDRONS  
... ICOSAHEDRONS

### ICY SATELLITES

GS CELESTIAL BODIES  
... NATURAL SATELLITES  
... ICY SATELLITES  
... ARIEL  
... CALLISTO  
... DIONE

## IDAHO

### ICY SATELLITES-(CONT.)

... ENCELADUS  
... EUROPA  
... GANYMEDE  
... HYPERION  
... IAPETUS  
... MIMAS  
... RHEA (ASTRONOMY)  
... TETHYS  
... TITANIA  
RT GALILEAN SATELLITES  
JUPITER SATELLITES  
SATELLITE SURFACES  
SATURN SATELLITES

### IDAHO

GS NATIONS  
UNITED STATES  
IDAHO  
RT COLUMBIA RIVER BASIN (ID-OR-WA)  
YELLOWSTONE NATIONAL PARK  
(ID-MT-WY)

### IDEAL FLUIDS

RT COMPRESSIBLE FLUIDS  
EQUATIONS OF STATE  
∞ FLUIDS  
INCOMPRESSIBLE FLUIDS  
MOLLIER DIAGRAM

### IDEAL GAS

UF PERFECT GAS  
GS GASES  
IDEAL GAS  
RT DALTON LAW  
EQUATIONS OF STATE  
GAS DENSITY  
KINETIC THEORY  
KINETICS  
REAL GASES

### IDENTIFY FRIEND OR FOE

USE IFF SYSTEMS (IDENTIFICATION)

### IDENTIFYING

GS IDENTIFYING  
CROP IDENTIFICATION  
IFF SYSTEMS (IDENTIFICATION)  
PARAMETER IDENTIFICATION  
RAPID BALLISTICS IDENTIFICATION  
SYSTEM IDENTIFICATION  
TIMBER IDENTIFICATION  
RT CHEMICAL ANALYSIS  
CODING  
COGNITION  
DETECTION  
GAS DETECTORS  
INSPECTION  
MARKING  
∞ MEASUREMENT  
MISSILE DETECTION  
PARTICULATE SAMPLING  
PERCEPTION  
RECOGNITION  
SPECTRAL SIGNATURES  
TRACKING (POSITION)  
ULTRASONIC FLAW DETECTION  
WISWESSER NOTATIONS

### IDENTITIES

RT CONGRUENCES  
∞ EQUATIONS

### IDEP (DATA EXCHANGE)

USE INTERSERVICE DATA EXCHANGE  
PROGRAM

### IDLERS

RT BEARINGS  
GEARS  
PULLEYS  
ROLLERS  
VEHICULAR TRACKS

### IFF SYSTEMS (IDENTIFICATION)

UF IDENTIFY FRIEND OR FOE  
GS IDENTIFYING  
IFF SYSTEMS (IDENTIFICATION)  
RT AIRCRAFT DETECTION  
COGNITION  
INTERROGATION  
RECOGNITION  
∞ SYSTEMS

### IFR (RULES)

USE INSTRUMENT FLIGHT RULES

### IGFET

USE FIELD EFFECT TRANSISTORS

### IGNEOUS ROCKS

UF IGNIMBRITE  
GS ROCKS  
IGNEOUS ROCKS  
ANORTHOSITE  
BASALT  
DIORITE  
DUNITE  
ECLOGITE  
FELSITE  
GABBRO  
GRANITE  
OBSIDIAN  
MOLDAVITE  
PERIDOTITE  
PUMICE  
RHYOLITE  
SYENITE  
TRACHYTE  
RT ANDESITE  
BATHOLITHS  
BRECCIA  
EFFUSIVES  
ENSTATITE  
FELDSPARS  
ILMENITE  
LAVA  
MAGMA  
MICA  
MINERALS  
OLIVINE  
PYROXENES  
QUARTZ  
REGOLITH  
ROCK INTRUSIONS  
SEDIMENTARY ROCKS  
SOILS  
SPINEL  
TOURMALINE

### IGNIMBRITE

USE IGNEOUS ROCKS

### IGNITERS

GS IGNITERS  
INITIATORS (EXPLOSIVES)  
BOOSTERS (EXPLOSIVES)  
CAPS (EXPLOSIVES)  
DETONATORS  
EXPLODING WIRES  
PRIMERS (EXPLOSIVES)  
SQUIBS  
RT AMMUNITION  
ELECTRIC IGNITION  
EXPLOSIVE DEVICES  
IGNITION  
IGNITION SYSTEMS  
INCENDIARY AMMUNITION  
PYROPHORIC MATERIALS  
SOLID PROPELLANT IGNITION  
SPARK PLUGS

### IGNITION

UF REIGNITION  
GS IGNITION  
ELECTRIC IGNITION  
SOLID PROPELLANT IGNITION  
SPARK IGNITION  
RT COMBUSTION  
COMBUSTION PHYSICS  
FIRING (IGNITING)  
FLAME PROPAGATION  
FLAMMABILITY  
FLASH POINT  
FUEL COMBUSTION  
IGNITERS  
PREMIXING  
PROPELLANT COMBUSTION  
ROASTING  
SPARKS  
SPONTANEOUS COMBUSTION  
STARTING

### IGNITION LIMITS

RT COMBUSTION  
FLAME RETARDANTS  
FLAMMABILITY  
FUEL-AIR RATIO  
GAS MIXTURES

### IGNITION LIMITS-(CONT.)

∞ LIMITS

### IGNITION SYSTEMS

RT AUTOMOBILES  
DISTRIBUTORS  
DWELL  
ELECTRIC COILS  
ELECTRIC IGNITION  
ENGINES  
IGNITERS  
INTERNAL COMBUSTION ENGINES  
ROCKET ENGINES  
SPARK PLUGS  
SQUIBS  
STARTERS  
∞ SYSTEMS

### IGNITION TEMPERATURE

GS TEMPERATURE  
IGNITION TEMPERATURE  
FLASH POINT  
RT COMBUSTION TEMPERATURE  
FLAMMABILITY  
PROPELLANT SENSITIVITY  
PYROPHORIC MATERIALS  
SOLID PROPELLANT IGNITION  
SPONTANEOUS COMBUSTION  
THERMITES

### IGNITRONS

GS ELECTRON TUBES  
GAS DISCHARGE TUBES  
IGNITRONS  
RECTIFIERS  
IGNITRONS

### IGOSS

USE INTEGRATED GLOBAL OCEAN STATION  
SYSTEMS

### IGY (GEOPHYSICAL YEAR)

USE INTERNATIONAL GEOPHYSICAL YEAR

### IL-14 AIRCRAFT

UF ILYUSHIN IL-14 AIRCRAFT  
GS ILYUSHIN AIRCRAFT  
IL-14 AIRCRAFT  
MONOPLANES  
IL-14 AIRCRAFT  
TRANSPORT AIRCRAFT  
IL-14 AIRCRAFT  
RT ∞ AIRCRAFT

### IL-62 AIRCRAFT

UF CLASSIC AIRCRAFT  
ILYUSHIN IL-62 AIRCRAFT  
GS COMMERCIAL AIRCRAFT  
IL-62 AIRCRAFT  
ILYUSHIN AIRCRAFT  
IL-62 AIRCRAFT  
JET AIRCRAFT  
TURBOFAN AIRCRAFT  
IL-62 AIRCRAFT  
MONOPLANES  
IL-62 AIRCRAFT  
PASSENGER AIRCRAFT  
IL-62 AIRCRAFT  
RT ∞ AIRCRAFT

### ILLIAC COMPUTERS

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
ILLIAC COMPUTERS  
ILLIAC 3 COMPUTER  
ILLIAC 4 COMPUTER

### ILLIAC 3 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
ILLIAC COMPUTERS  
ILLIAC 3 COMPUTER  
RT ANALOG TO DIGITAL CONVERTERS  
PARALLEL PROCESSING (COMPUTERS)

### ILLIAC 4 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
ILLIAC COMPUTERS  
ILLIAC 4 COMPUTER  
RT ANALOG TO DIGITAL CONVERTERS

## IMAGE PROCESSING

### ILLIAC 4 COMPUTER-(CONT.)

PARALLEL PROCESSING (COMPUTERS)

#### ILLINOIS

GS NATIONS  
 . UNITED STATES  
 . . ILLINOIS  
 RT OHIO RIVER (US)  
 WABASH RIVER BASIN (IL-IN-OH)

#### ILLITE

GS CLAYS  
 . ILLITE  
 . MINERALS  
 . ILLITE  
 RT SOILS

#### ILLUMINANCE

SN (LIMITED TO DETECTION RATE PER  
 UNIT AREA OF VISIBLE  
 RADIATION-EQUALS LIGHT PRESSURE  
 TIMES SPEED OF LIGHT)  
 UF LIGHT PRESSURE  
 GS PRESSURE  
 . RADIATION PRESSURE  
 . . LUMINOUS INTENSITY  
 . . . ILLUMINANCE  
 RATES (PER TIME)  
 . FLUX DENSITY  
 . . RADIANT FLUX DENSITY  
 . . . IRRADIANCE  
 . . . . ILLUMINANCE  
 . . . . LUMINOUS INTENSITY  
 . . . . ILLUMINANCE  
 RT BRIGHTNESS  
 ILLUMINATING  
 ∞ ILLUMINATION  
 LIGHT (VISIBLE RADIATION)  
 LUMINANCE  
 LUMINOSITY  
 RADIANCE  
 SOLAR CONSTANT  
 SOLAR FLUX DENSITY  
 VISIBILITY

#### ILLUMINATING

UF LIGHTING  
 RT ARCHITECTURE  
 BRIGHTNESS  
 COMFORT  
 DARKNESS  
 ENVIRONMENTAL ENGINEERING  
 ∞ FLARES  
 GLARE  
 HUMAN FACTORS ENGINEERING  
 ILLUMINANCE  
 ∞ ILLUMINATION  
 LIGHT SOURCES  
 LIGHT TRANSMISSION  
 LIGHTING EQUIPMENT  
 LUMINAIRES  
 LUMINANCE  
 PHOTOMETRY  
 ∞ PROJECTION  
 PROJECTORS  
 PYROTECHNICS  
 SHADOWS

#### ∞ ILLUMINATION

SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)  
 RT BRIGHTNESS DISCRIMINATION  
 DARKENING  
 DARKNESS  
 ∞ DIFFUSERS  
 ILLUMINANCE  
 ILLUMINATING  
 ILLUMINATORS  
 ISOPHOTES  
 LIGHT TRANSMISSION  
 LUMINESCENCE  
 PHOTOMETRY

#### ILLUMINATORS

GS LIGHT SOURCES  
 . ILLUMINATORS  
 LIGHTING EQUIPMENT  
 . ILLUMINATORS  
 RT ∞ ILLUMINATION  
 INCANDESCENCE  
 LUMINESCENCE

#### ILLUSIONS

GS PSYCHOLOGICAL EFFECTS

### ILLUSIONS-(CONT.)

. ILLUSIONS  
 . . HALLUCINATIONS  
 . . MOON ILLUSION  
 . . OCULOGRAVIC ILLUSIONS  
 . . OPTICAL ILLUSION  
 . . . ELEVATOR ILLUSION  
 RT AFTERIMAGES  
 IMAGES  
 PERCEPTION  
 VISION

#### ILMENITE

GS CHALCOGENIDES  
 . OXIDES  
 . . METAL OXIDES  
 . . . IRON OXIDES  
 . . . . ILMENITE  
 . . . . TITANIUM OXIDES  
 . . . . ILMENITE  
 IRON COMPOUNDS  
 . IRON OXIDES  
 . . ILMENITE  
 MINERALS  
 ILMENITE  
 TITANIUM COMPOUNDS  
 . TITANATES  
 . . ILMENITE  
 . . TITANIUM OXIDES  
 . . ILMENITE  
 RT IGNEOUS ROCKS  
 SANDS

#### ILS (LANDING SYSTEMS)

USE INSTRUMENT LANDING SYSTEMS

#### ILYUSHIN AIRCRAFT

GS ILYUSHIN AIRCRAFT  
 . IL-14 AIRCRAFT  
 . IL-62 AIRCRAFT  
 RT ∞ AIRCRAFT

#### ILYUSHIN IL-14 AIRCRAFT

USE IL-14 AIRCRAFT

#### ILYUSHIN IL-62 AIRCRAFT

USE IL-62 AIRCRAFT

#### IMAGE ANALYSIS

RT CLUSTER ANALYSIS  
 IMAGE ENHANCEMENT  
 IMAGE PROCESSING  
 IMAGE RESOLUTION  
 PATTERN RECOGNITION  
 RADAR IMAGERY  
 REMOTE SENSING  
 SATELLITE IMAGERY  
 SCENE ANALYSIS

#### IMAGE CONTRAST

GS CONTRAST  
 . IMAGE CONTRAST  
 RT FOCUSING  
 GRAY SCALE  
 PATTERN REGISTRATION  
 RESOLUTION  
 SELF FOCUSING  
 SIGNAL TO NOISE RATIOS  
 SMEAR  
 VISIBILITY

#### IMAGE CONVERTERS

GS OPTICAL EQUIPMENT  
 . IMAGE CONVERTERS  
 . . CELESCOPES  
 . . IMAGE TUBES  
 . . . THERMICONS  
 RT CAMERA TUBES  
 ∞ CONVERTERS  
 LALLEMAND CAMERAS  
 LIGHT AMPLIFIERS  
 MICROCHANNELS  
 PHOTOCATHODES

#### IMAGE CORRELATORS

UF SIMICOR (IMAGE CORRELATOR)  
 SIMULTANEOUS IMAGE CORRELATOR  
 GS CORRELATORS  
 . IMAGE CORRELATORS  
 RT HOLOGRAPHY  
 IMAGING TECHNIQUES  
 MAP MATCHING GUIDANCE  
 PATTERN REGISTRATION  
 SPECKLE HOLOGRAPHY

### IMAGE CORRELATORS-(CONT.)

VIDEO LANDMARK ACQUISITION AND  
 TRACKING

#### IMAGE DISSECTOR TUBES

GS ELECTRON TUBES  
 . CAMERA TUBES  
 . . IMAGE DISSECTOR TUBES  
 TELEVISION EQUIPMENT  
 . IMAGE DISSECTOR TUBES  
 RT GUIDANCE SENSORS  
 SATELLITE ORIENTATION

#### IMAGE ENHANCEMENT

RT BAND RATIOING  
 FOCUSING  
 GEOMETRIC RECTIFICATION (IMAGERY)  
 GRAY SCALE  
 IMAGE ANALYSIS  
 IMAGES  
 IMAGING TECHNIQUES  
 LIGHT AMPLIFIERS  
 RADIOMETRIC CORRECTION  
 RESOLUTION  
 SIGNAL TO NOISE RATIOS  
 TOMOGRAPHY  
 VEGETATIVE INDEX

#### IMAGE FILTERS

RT ∞ FILTERS  
 IMAGING TECHNIQUES

#### IMAGE FURNACES

GS HEATING EQUIPMENT  
 . FURNACES  
 . . IMAGE FURNACES  
 LABORATORY EQUIPMENT  
 . IMAGE FURNACES  
 RT ARC HEATING  
 CARBON ARCS

#### IMAGE INTENSIFIERS

UF INTENSIFIER TUBES  
 GS INTENSIFIERS  
 . IMAGE ORTHICONS  
 . . IMAGE ORTHICONS  
 AMPLIFIERS  
 RT IMAGING TECHNIQUES  
 LALLEMAND CAMERAS  
 LIGHT AMPLIFIERS  
 NIGHT VISION  
 ORTHICONS  
 PHOSPHORS  
 PHOTOCATHODES

#### IMAGE MOTION COMPENSATION

RT AERIAL PHOTOGRAPHY  
 ∞ COMPENSATION  
 IMAGING TECHNIQUES  
 PATTERN REGISTRATION

#### IMAGE ORTHICONS

GS ELECTRON TUBES  
 . CAMERA TUBES  
 . . ORTHICONS  
 . . . IMAGE ORTHICONS  
 INTENSIFIERS  
 . IMAGE INTENSIFIERS  
 . . IMAGE ORTHICONS  
 RT PHOTOCATHODES

#### IMAGE PROCESSING

GS IMAGE PROCESSING  
 . BAND RATIOING  
 . GEOMETRIC RECTIFICATION (IMAGERY)  
 RT ATMOSPHERIC CORRECTION  
 CHANGE DETECTION  
 CLUSTER ANALYSIS  
 COMPUTER AIDED TOMOGRAPHY  
 DATA PROCESSING  
 FEATURE IDENTIFICATION AND  
 LOCATION EXPR  
 FRAMES (DATA PROCESSING)  
 GEOMETRIC ACCURACY  
 GRAY SCALE  
 IMAGE ANALYSIS  
 IMAGERY  
 IMAGING TECHNIQUES  
 MULTISENSOR APPLICATIONS  
 NAP-OF-THE-EARTH NAVIGATION  
 ONBOARD DATA PROCESSING  
 OPTICAL DATA PROCESSING  
 POINT SPREAD FUNCTIONS  
 PREPROCESSING  
 PRINCIPAL COMPONENTS ANALYSIS

## IMAGE RECONSTRUCTION

### IMAGE PROCESSING-(CONT.)

- ∞ PROCESSING
- PUSHBROOM SENSOR MODES
- RASTER SCANNING
- SPATIAL RESOLUTION

### IMAGE RECONSTRUCTION

- RT DISPLAY DEVICES
- HOLOGRAPHY
- IMAGING TECHNIQUES
- PATTERN REGISTRATION

### IMAGE RESOLUTION

- GS RESOLUTION
- RT **IMAGE RESOLUTION**
- ELECTRO-OPTICAL PHOTOGRAPHY
- GEOMETRIC ACCURACY
- IMAGE ANALYSIS
- IMAGERY
- MATCHING
- MULTISPECTRAL PHOTOGRAPHY
- PATTERN REGISTRATION
- SPATIAL RESOLUTION

### IMAGE ROTATION

- RT IMAGING TECHNIQUES
- ROTATION

### IMAGE TRANSDUCERS

- GS TRANSDUCERS
- RT **IMAGE TRANSDUCERS**
- CAMERA TUBES
- IMAGING TECHNIQUES
- LALLEMAND CAMERAS

### IMAGE TUBES

- GS ELECTRON TUBES
- IMAGE TUBES**
- ... THERMIONS
- OPTICAL EQUIPMENT
- IMAGE CONVERTERS
- IMAGE TUBES**
- ... THERMIONS
- RT CATHODE RAY TUBES
- DISPLAY DEVICES
- FLYING SPOT SCANNERS
- HEAD-UP DISPLAYS
- MONOSCOPES

### IMAGE VELOCITY SENSORS

- RT IMAGES
- IMAGING TECHNIQUES
- ∞ SENSORS

### IMAGERY

- GS **IMAGERY**
- AERIAL PHOTOGRAPHY
- ALL SKY PHOTOGRAPHY
- ASTRONOMICAL PHOTOGRAPHY
- BLACK AND WHITE PHOTOGRAPHY
- CHRONOPHOTOGRAPHY
- CINEMATOGRAPHY
- CLOUD PHOTOGRAPHY
- COLOR PHOTOGRAPHY
- ELECTRO-OPTICAL PHOTOGRAPHY
- ELECTRON PHOTOGRAPHY
- HOLOGRAPHY
- ... ACOUSTICAL HOLOGRAPHY
- ... MICROWAVE HOLOGRAPHY
- ... SPECKLE HOLOGRAPHY
- ... WHITE LIGHT HOLOGRAPHY
- INFRARED IMAGERY
- INFRARED PHOTOGRAPHY
- ... COLOR INFRARED PHOTOGRAPHY
- KINOFORM
- LUNAR PHOTOGRAPHY
- MICROWAVE IMAGERY
- MICROWAVE PHOTOGRAPHY
- PHOTOMICROGRAPHY
- PHOTORECONNAISSANCE
- PIXELS
- RADAR IMAGERY
- RADAR PHOTOGRAPHY
- RADIOGRAPHY
- ... ANGIOGRAPHY
- ... AUTORADIOGRAPHY
- ... NEUTRON RADIOGRAPHY
- ... TOMOGRAPHY
- ... COMPUTER AIDED TOMOGRAPHY
- ... UROGRAPHY
- REPRODUCTION (COPYING)
- ... XEROGRAPHY
- ROCKET-BORNE PHOTOGRAPHY
- SATELLITE IMAGERY
- SHADOWGRAPH PHOTOGRAPHY

### IMAGERY-(CONT.)

- ... SCHLIERN PHOTOGRAPHY
- ... SPACEBORNE PHOTOGRAPHY
- ... SATELLITE-BORNE PHOTOGRAPHY
- ... SPECTROHELIOGRAPHS
- ... SPECTROPHOTOGRAPHY
- ... STEREOSCOPY
- ... STEREOPHOTOGRAPHY
- ... ULTRAVIOLET PHOTOMETRY
- ... X RAY IMAGERY
- RT ACOUSTO-OPTICS
- APPEARANCE
- ATMOSPHERIC & OCEANOGRAPHIC
- INFORM SYS
- CHANGE DETECTION
- CONTOUR SENSORS
- DISPLAY DEVICES
- EARTH RESOURCES
- GEOGRAPHIC INFORMATION SYSTEMS
- GEOMETRIC RECTIFICATION (IMAGERY)
- GRAPHIC ARTS
- GROUND TRUTH
- IMAGE PROCESSING
- IMAGE RESOLUTION
- MICROWAVE SOUNDING
- MULTISPECTRAL PHOTOGRAPHY
- MULTISPECTRAL RADAR
- PHOTOGRAPHY
- RADAR SIGNATURES
- SCENE ANALYSIS
- SEA TRUTH
- SIGNATURE ANALYSIS

### IMAGES

- UF OPTICAL IMAGES
- GS **IMAGES**
- ... AFTERIMAGES
- ... RETINAL IMAGES
- RT CONTOUR SENSORS
- DISPLAY DEVICES
- EVAPOROGRAPHY
- HALOS
- HELMET MOUNTED DISPLAYS
- ILLUSIONS
- IMAGE ENHANCEMENT
- IMAGE VELOCITY SENSORS
- ∞ OPTICS
- PERCEPTION
- PHOTOGRAPHS
- RASTER SCANNING
- REPRESENTATIONS
- SPATIAL FILTERING
- VISION

### IMAGING RADAR

- GS RADAR
- RT **IMAGING RADAR**
- RADAR IMAGERY
- REMOTE SENSORS
- SIDE-LOOKING RADAR
- SYNTHETIC APERTURE RADAR

### IMAGING SPECTROMETERS

- GS MEASURING INSTRUMENTS
- SPECTROMETERS
- RT **IMAGING SPECTROMETERS**
- IMAGING TECHNIQUES
- REMOTE SENSING
- SPECTRAL REFLECTANCE
- SPECTROPHOTOMETRY

### IMAGING TECHNIQUES

- GS **IMAGING TECHNIQUES**
- ... RASTER SCANNING
- ... SPECKLE HOLOGRAPHY
- RT ACOUSTIC MICROSCOPES
- ACOUSTICAL HOLOGRAPHY
- ADAPTIVE OPTICS
- CHARGE INJECTION DEVICES
- CROP IDENTIFICATION
- GRAY SCALE
- HOLOGRAMMETRY
- IMAGE CORRELATORS
- IMAGE ENHANCEMENT
- IMAGE FILTERS
- IMAGE INTENSIFIERS
- IMAGE MOTION COMPENSATION
- IMAGE PROCESSING
- IMAGE RECONSTRUCTION
- IMAGE ROTATION
- IMAGE TRANSDUCERS
- IMAGE VELOCITY SENSORS
- IMAGING SPECTROMETERS
- ∞ METHODOLOGY
- MICROWAVE HOLOGRAPHY

### IMAGING TECHNIQUES-(CONT.)

- MODULATION TRANSFER FUNCTION
- MULTISENSOR APPLICATIONS
- MULTISPECTRAL BAND SCANNERS
- MULTISPECTRAL PHOTOGRAPHY
- MULTISPECTRAL RADAR
- OPTICAL RELAY SYSTEMS
- OPTICAL TRANSFER FUNCTION
- ∞ OPTICS
- PATTERN REGISTRATION
- PHOTOGRAPHY
- PIXELS
- PRINCIPAL COMPONENTS ANALYSIS
- RADAR IMAGERY
- RAPID BALLISTICS IDENTIFICATION
- RESOLUTION CELL
- SATELLITE IMAGERY
- SCENE ANALYSIS
- SPATIAL RESOLUTION
- STREAK PHOTOGRAPHY
- SYNTHETIC APERTURES
- TELEVISION SYSTEMS
- ULTRASONIC SCANNERS
- VEGETATIVE INDEX
- X RAY IMAGERY

### ∞ IMBEDDINGS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT ENCAPSULATING
- IMBEDDINGS (MATHEMATICS)
- INVARIANT IMBEDDINGS
- ∞ MATRICES

### IMBEDDINGS (MATHEMATICS)

- GS GEOMETRY
- ... TOPOLOGY
- ... **IMBEDDINGS (MATHEMATICS)**
- ... INVARIANT IMBEDDINGS
- RT ∞ IMBEDDINGS
- STRANGE ATTRACTORS

### IMBLMS

- SN (INTEGRATED MEDICAL AND BEHAVIORAL LABORATORY MEASUREMENT SYSTEM)
- UF INTEG MED AND BEHAVIORAL LAB
- MEASUR SYSTEM
- RT BIOINSTRUMENTATION
- BIOMEDICAL DATA
- MEASURING INSTRUMENTS
- MEDICAL EQUIPMENT

### IMCC (CONTROL CENTER)

- USE INTEGRATED MISSION CONTROL CENTER

### IME SATELLITE

- USE INTERNATIONAL MAGNETOSPHERIC EXPLORER

### IMIDES

- GS NITROGEN COMPOUNDS
- IMIDES**
- ... BISMALIMIDE
- ... SUCCINIMIDES
- RT AMIDES

### IMINES

- UF SCHIFF BASES
- GS NITROGEN COMPOUNDS
- IMINES**
- RT AMINES

### IMLSS

- SN (INTEGRATED MANEUVERING AND LIFE SUPPORT SYSTEM)
- UF INTEGRATED MANEUVERING LIFE SUPPORT SYS
- GS SELF MANEUVERING UNITS
- IMLSS**
- SUPPORT SYSTEMS
- ... LIFE SUPPORT SYSTEMS
- ... PORTABLE LIFE SUPPORT SYSTEMS
- IMLSS**
- RT ASTRONAUT MANEUVERING EQUIPMENT
- EXTRAVEHICULAR ACTIVITY
- EXTRAVEHICULAR MOBILITY UNITS
- ∞ SYSTEMS

### IMMERSION

- USE SUBMERGING

## IMPACT TESTS

**IMMISCIBILITY**  
USE SOLUBILITY

**IMMITTANCE**  
USE ELECTRICAL IMPEDANCE

**IMMOBILIZATION**  
RT DAMAGE  
IMPAIRMENT  
∞ MOTION

**IMMUNE SYSTEMS**  
GS PHYSIOLOGICAL DEFENSES  
. **IMMUNE SYSTEMS**  
RT ANTIBODIES  
ANTIGENS  
IMMUNITY  
IMMUNOASSAY  
IMMUNOLOGY  
LEUKOCYTES  
LYMPHOCYTES

**IMMUNITY**  
RT IMMUNE SYSTEMS  
INFECTIOUS DISEASES  
INOCULATION  
∞ RESISTANCE  
TOXINS AND ANTITOXINS

**IMMUNOASSAY**  
UF PLASMA RENIN ACTIVITY  
GS **IMMUNOASSAY**  
. RADIOIMMUNOASSAY  
RT ANTIGENS  
ASSAYING  
BIOCHEMISTRY  
IMMUNE SYSTEMS  
IMMUNOLOGY  
RADIOBIOLOGY

**IMMUNOLOGY**  
GS MEDICAL SCIENCE  
. **IMMUNOLOGY**  
RT ALLERGIC DISEASES  
ANAPHYLAXIS  
ANTIBODIES  
ANTIGENS  
ANTISERUMS  
BIOCOMPATIBILITY  
∞ BIOLOGY  
IMMUNE SYSTEMS  
IMMUNOASSAY  
PROPHYLAXIS  
RADIOIMMUNOASSAY  
VETERINARY MEDICINE

**IMP**  
UF INTERPLANETARY MONITORING  
PLATFORM  
GS ARTIFICIAL SATELLITES  
. LUNAR SATELLITES  
. **IMP**  
. SCIENTIFIC SATELLITES  
. **IMP**  
. LUNAR SPACECRAFT  
. LUNAR SATELLITES  
. **IMP**

**IMP-A**  
USE EXPLORER 18 SATELLITE

**IMP-B**  
USE EXPLORER 21 SATELLITE

**IMP-C**  
USE EXPLORER 28 SATELLITE

**IMP-D**  
USE EXPLORER 33 SATELLITE

**IMP-E**  
USE EXPLORER 35 SATELLITE

**IMP-F**  
USE EXPLORER 34 SATELLITE

**IMP-G**  
USE EXPLORER 41 SATELLITE

**IMP-H**  
USE EXPLORER 47 SATELLITE

**IMP-1**  
USE EXPLORER 43 SATELLITE

**IMP-J**  
USE EXPLORER 50 SATELLITE

**IMP-1**  
USE EXPLORER 18 SATELLITE

**IMP-2**  
USE EXPLORER 21 SATELLITE

**IMP-3**  
USE EXPLORER 28 SATELLITE

**IMP-4**  
USE EXPLORER 34 SATELLITE

**IMP-5**  
USE EXPLORER 41 SATELLITE

**IMP-6**  
USE EXPLORER 43 SATELLITE

**IMP-7**  
USE EXPLORER 47 SATELLITE

**IMP-8**  
USE EXPLORER 50 SATELLITE

**IMPACT**  
GS **IMPACT**  
. ECONOMIC IMPACT  
. ELECTRON IMPACT  
. HYPERVELOCITY IMPACT  
. ION IMPACT  
. POINT IMPACT  
. PROTON IMPACT  
RT DECELERATION  
HYDRODYNAMIC RAM EFFECT  
IMPINGEMENT  
MECHANICAL SHOCK  
PENETRATION  
PERCUSSION  
PRESSURE  
SHOCK ABSORBERS  
SHOCK RESISTANCE  
SHOCK WAVES  
STRESSES

**IMPACT ACCELERATION**  
UF IMPACT DECELERATION  
GS RATES (PER TIME)  
. ACCELERATION (PHYSICS)  
. **IMPACT ACCELERATION**  
RT ∞ ACCELERATION  
DECELERATION  
MECHANICAL SHOCK  
PHYSIOLOGICAL ACCELERATION  
RAILROAD HUMMING TESTS  
SHOCK ABSORBERS

**IMPACT DAMAGE**  
GS **DAMAGE**  
. **IMPACT DAMAGE**  
. METEORITIC DAMAGE  
. RAIN IMPACT DAMAGE  
RT CRATERING  
CRATERS  
EJECTA  
IMPACT TOLERANCES  
MARS CRATERS  
METEOROID PROTECTION  
PLANETARY CRATERS

**IMPACT DECELERATION**  
USE DECELERATION  
IMPACT ACCELERATION

**IMPACT FUSION**  
GS INERTIAL CONFINEMENT FUSION  
. **IMPACT FUSION**  
RT FUSION REACTORS

**IMPACT LOADS**  
UF IMPACT PRESSURES  
GS LOADS (FORCES)  
. COMPRESSION LOADS  
. **IMPACT LOADS**  
. DYNAMIC LOADS  
. TRANSIENT LOADS  
. **IMPACT LOADS**  
RT BLAST LOADS  
CONTACT LOADS

**IMPACT LOADS-(CONT.)**  
DYNAMIC PRESSURE  
FIBER ORIENTATION  
LANDING LOADS  
LOADING RATE  
RANDOM LOADS  
SHOCK LOADS  
STRUCTURAL DESIGN CRITERIA

**IMPACT MELTS**  
GS MELTS (CRYSTAL GROWTH)  
. **IMPACT MELTS**  
RT CELESTIAL BODIES  
HYPERVELOCITY IMPACT  
LUNAR ROCKS  
MELTING  
METEORITES  
MINERALS  
PETROLOGY

**IMPACT PREDICTION**  
UF ARIIP (IMPACT PREDICTION)  
AUTOMATIC ROCKET IMPACT  
PREDICTORS  
GS PREDICTIONS  
. **IMPACT PREDICTION**  
RT BALLISTIC TRAJECTORIES  
DOWNRANGE  
GUIDANCE (MOTION)  
LASER GUIDANCE  
MISSILE TRAJECTORIES  
RANGE SAFETY  
REENTRY  
TRAJECTORY ANALYSIS

**IMPACT PRESSURES**  
USE IMPACT LOADS

**IMPACT RESISTANCE**  
UF IMPACT SENSITIVITY  
SENSITIVITY  
GS **IMPACT RESISTANCE**  
SHOCK RESISTANCE  
. **IMPACT RESISTANCE**  
RT CRASHWORTHINESS  
PROPELLANT SENSITIVITY  
∞ RESISTANCE  
TOLERANCES (PHYSIOLOGY)

**IMPACT SENSITIVITY**  
USE IMPACT RESISTANCE

**IMPACT STRENGTH**  
GS MECHANICAL PROPERTIES  
. **IMPACT STRENGTH**  
RT BRITTLE MATERIALS  
BRITTLENESS  
DUCTILITY  
EARTHQUAKE RESISTANCE  
HARDNESS  
NOTCH SENSITIVITY  
∞ RESISTANCE  
SHEAR PROPERTIES  
∞ STRENGTH  
STRESS CONCENTRATION  
WAVE RESISTANCE

**IMPACT TESTING MACHINES**  
RT DROP TESTS  
FATIGUE TESTS  
∞ MACHINERY  
∞ TEST EQUIPMENT

**IMPACT TESTS**  
GS **IMPACT TESTS**  
. CHARPY IMPACT TEST  
RT BRITTLENESS  
COMPRESSION TESTS  
DESTRUCTIVE TESTS  
DROP TESTS  
FATIGUE TESTS  
HARDNESS TESTS  
IMPACTORS  
LOAD TESTS  
∞ MATERIALS TESTS  
NOTCH SENSITIVITY  
NOTCH STRENGTH  
NOTCH TESTS  
SHOCK TESTS  
STRAIN RATE  
STRESS CONCENTRATION  
∞ TESTS  
TOUGHNESS



## IMPACT TOLERANCES

### IMPACT TOLERANCES

- GS TOLERANCES (MECHANICS)
- . **IMPACT TOLERANCES**
- RT IMPACT DAMAGE

### IMPACTORS

- RT CRUSHERS
- GRINDING MILLS
- HAMMERS
- IMPACT TESTS

### IMPAIRMENT

- RT DAMAGE
- IMMOBILIZATION
- INJURIES
- LOSSES

### IMPATT DIODES

- USE AVALANCHE DIODES

### IMPEDANCE

- UF DUMMY LOADS
- GS **IMPEDANCE**
- . ACOUSTIC IMPEDANCE
- . ELECTRICAL IMPEDANCE
- . ELECTRICAL RESISTANCE
- . . . CONTACT RESISTANCE
- . . . SKIN RESISTANCE
- . . . TRANSDUCANCE
- . . . REACTANCE
- . MECHANICAL IMPEDANCE
- . RESPIRATORY IMPEDANCE
- RT ATTENUATION COEFFICIENTS
- BANDWIDTH
- CHOKES (RESTRICTIONS)
- ∞ CONDUCTIVITY
- CONSTRICTIONS
- DAMPING
- DIFFUSIVITY
- DYNAMIC CHARACTERISTICS
- DYNAMIC RESPONSE
- ELECTRIC COILS
- ELECTRICAL PROPERTIES
- ∞ HYDRAULICS
- MECHANICAL PROPERTIES
- ∞ PHYSICAL PROPERTIES
- ∞ RESISTANCE
- RESONANT FREQUENCIES
- SMITH CHART
- TIME CONSTANT
- TRANSIENT RESPONSE

### IMPEDANCE MATCHING

- RT ANTENNA COUPLERS
- COUPLERS
- COUPLING CIRCUITS
- DIRECTIONAL COUPLERS
- ELECTRIC NETWORKS
- ELECTRICAL IMPEDANCE
- ITERATIVE NETWORKS
- MATCHING
- MODE TRANSFORMERS
- TRANSFER FUNCTIONS
- TRANSMISSION LINES
- WAVEGUIDE TUNERS
- WAVEGUIDE WINDOWS

### IMPEDANCE MEASUREMENT

- RT ELECTRICAL IMPEDANCE
- ELECTRICAL MEASUREMENT
- MECHANICAL IMPEDANCE
- MISMATCH (ELECTRICAL)
- RADIO FREQUENCY IMPEDANCE
- PROBES

### IMPEDANCE PROBES

- GS MEASURING INSTRUMENTS
- . **IMPEDANCE PROBES**
- . . RADIO FREQUENCY IMPEDANCE
- . . . PROBES
- RT RESONANCE PROBES

### IMPELLER BLADES

- USE ROTOR BLADES (TURBOMACHINERY)

### IMPELLERS

- GS ROTATING BODIES
- . ROTORS
- . . **IMPELLERS**
- . . . PUMP IMPELLERS
- RT BLOWERS
- CENTRIFUGAL COMPRESSORS
- CENTRIFUGAL PUMPS
- COMPRESSOR ROTORS

### IMPELLERS-(CONT.)

- PUMPS
- ROTOR BLADES (TURBOMACHINERY)
- STATORS
- TURBINE WHEELS
- TURBINES
- TURBOMACHINE BLADES
- VANES

### IMPERFECTIONS

- USE DEFECTS

### IMPERIAL VALLEY (CA)

- GS VALLEYS
- . **IMPERIAL VALLEY (CA)**
- RT CALIFORNIA
- DESERTS
- MEXICO

### IMPINGEMENT

- GS **IMPINGEMENT**
- . JET IMPINGEMENT
- RT ABLATION
- ATTENUATION
- CAVITATION FLOW
- CORROSION
- EROSION
- GAS-SOLID INTERACTIONS
- IMPACT
- INCIDENCE
- REFLECTION
- SCATTERING

### IMPLANTATION

- GS **IMPLANTATION**
- . HEART IMPLANTATION
- . ION IMPLANTATION
- RT GRAFTING
- INJECTION
- INSERTION

### IMPLANTED ELECTRODES (BIOLOGY)

- GS BIOENGINEERING
- . BIOINSTRUMENTATION
- . . **IMPLANTED ELECTRODES (BIOLOGY)**
- . . . ELECTRODES
- . **IMPLANTED ELECTRODES (BIOLOGY)**
- RT ∞ BIOLOGY

### IMPLICATION

- RT INFERENCE

### IMPLOSIONS

- RT BURSTS
- EXPLOSIONS
- EXPLOSIVE DECOMPRESSION
- PROPELLANT EXPLOSIONS
- SHOCK WAVES

### IMPREGNATING

- RT CHEMICAL ATTACK
- COATINGS
- FINISHES
- INSERTION
- LUBRICATION
- PERMEATING
- POROSITY
- PRESERVING
- SELF LUBRICATING MATERIALS
- SELF LUBRICATION

### IMPROVED TIROS OPERATIONAL SATELLITES

- GS ARTIFICIAL SATELLITES
- . METEOROLOGICAL SATELLITES
- . . TIROS SATELLITES
- . . . **IMPROVED TIROS OPERATIONAL**
- . . . . SATELLITES
- . . . . . ITOS 1
- . . . . . ITOS 2
- . . . . . ITOS 3
- . . . . . ITOS 4
- RT TIROS M
- TIROS N SERIES SATELLITES

### IMPROVEMENT

- RT CORRECTION
- PUBLIC RELATIONS
- UPGRADING

### IMPULSE GENERATORS

- RT ∞ GENERATORS
- PULSE GENERATORS
- TURBINES

### IMPULSES

- RT HIGH IMPULSE
- SPECIFIC IMPULSE

### IMPURITIES

- RT CONTAMINANTS
- CRYSTAL DEFECTS
- DIRT
- HETEROGENEITY
- INCLUSIONS
- POINT DEFECTS
- PSEUDOPOTENTIALS
- QUALITY
- TRACE CONTAMINANTS
- ULTRAPURE METALS
- WASTES

### IMS

- USE INTERNATIONAL MAGNETOSPHERIC
- STUDY

### IN-FLIGHT MONITORING

- RT CREW PROCEDURES (INFLIGHT)
- CREW PROCEDURES (PREFLIGHT)
- FLIGHT CONTROL
- FLIGHT TESTS
- MONITORS
- TELEMETRY

### INACTIVATION

- USE DEACTIVATION

### INCANDESCENCE

- GS EMISSION
- . LIGHT EMISSION
- . . **INCANDESCENCE**
- RT BRIGHTNESS
- COLOR
- EMISSIVITY
- ILLUMINATORS
- LIGHT (VISIBLE RADIATION)
- LUMINESCENCE
- LUMINOSITY
- LUMINOUS INTENSITY
- RADIANCE
- SPECTRAL EMISSION
- THERMAL EMISSION

### INCENDIARY AMMUNITION

- GS AMMUNITION
- . **INCENDIARY AMMUNITION**
- RT BOMBS (ORDNANCE)
- COMBUSTION
- EXOTHERMIC REACTIONS
- GRENADERS
- GUNS (ORDNANCE)
- IGNITERS
- MISSILES
- PROJECTILES
- PROPELLANTS
- PYROTECHNICS
- ∞ ROCKETS

### INCENTIVE TECHNIQUES

- RT COST INCENTIVES
- COST REDUCTION
- EFFICIENCY
- MANAGEMENT
- VALUE ENGINEERING

### INCENTIVES

- GS **INCENTIVES**
- . CONTRACT INCENTIVES
- RT INCOME
- MANAGEMENT
- MANAGEMENT METHODS
- MOTIVATION
- PERSONNEL

### INCIDENCE

- GS **INCIDENCE**
- . GRAZING INCIDENCE
- RT ANGLES (GEOMETRY)
- IMPINGEMENT

### INCIDENT RADIATION

- RT BISTATIC REFLECTIVITY
- CORPUSCULAR RADIATION
- ELECTROMAGNETIC RADIATION
- OBLIQUENESS
- OPTICAL REFLECTION
- PHOTON BEAMS
- ∞ RADIATION
- REFLECTED WAVES

## INDICATING INSTRUMENTS

### INCIDENT RADIATION-(CONT.)

REFRACTED WAVES  
RETROREFLECTION  
SCATTERING  
STOKES LAW OF RADIATION  
WAVE INCIDENCE CONTROL

### INCINERATION

USE INCINERATORS

### INCINERATORS

UF INCINERATION  
RT BURNERS  
FURNACES  
WASTE DISPOSAL  
WASTE ENERGY UTILIZATION

### INCLINATION

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT GEOMAGNETISM  
MAGNETIC EQUATOR  
ORBITS  
SLOPES  
TENDENCIES

### INCLUSIONS

GS DEFECTS  
INCLUSIONS  
RT CASTING  
CASTINGS  
CLATHRATES  
HETEROGENEITY  
IMPURITIES  
METALLOGRAPHY  
VOIDS

### INCOHERENCE

RT DISCONTINUITY  
NONSYNCHRONIZATION

### INCOHERENT SCATTER RADAR

GS RADAR  
INCOHERENT SCATTER RADAR  
EISCAT RADAR SYSTEM (EUROPE)  
RT INCOHERENT SCATTERING  
RADAR SCATTERING

### INCOHERENT SCATTERING

GS SCATTERING  
INCOHERENT SCATTERING  
RT COHERENT SCATTERING  
EISCAT RADAR SYSTEM (EUROPE)  
ELECTROMAGNETIC RADIATION  
ELECTROMAGNETIC WAVE  
TRANSMISSION  
INCOHERENT SCATTER RADAR  
NUCLEAR SCATTERING  
RADAR SCATTERING

### INCOME

RT BUDGETING  
ECONOMICS  
INCENTIVES

### INCOMPATIBILITY

RT ABILITIES  
CORROSION  
HAZARDS  
INTERFERENCE  
SOLUBILITY

### INCOMPRESSIBILITY

RT COMPRESSIBILITY  
FLUID MECHANICS

### INCOMPRESSIBLE BOUNDARY LAYER

GS BOUNDARY LAYERS  
INCOMPRESSIBLE BOUNDARY LAYER  
RT LAMINAR BOUNDARY LAYER  
TURBULENT BOUNDARY LAYER

### INCOMPRESSIBLE FLOW

GS FLUID FLOW  
INCOMPRESSIBLE FLOW  
STOKES FLOW  
RT AERODYNAMICS  
BELTRAMI FLOW  
COMPRESSIBLE FLOW  
GAS FLOW  
MILNE-THOMSON METHOD  
NAVIER-STOKES EQUATION  
REYNOLDS STRESS

### INCOMPRESSIBLE FLOW-(CONT.)

STREAM FUNCTIONS (FLUIDS)  
SUBSONIC FLOW

### INCOMPRESSIBLE FLUIDS

GS INCOMPRESSIBLE FLUIDS  
MICROPOLAR FLUIDS  
RT BOUSSINESQ APPROXIMATION  
CHANNEL FLOW  
COMPRESSIBLE FLUIDS  
FLUID POWER  
FLUIDS  
IDEAL FLUIDS  
NAVIER-STOKES EQUATION  
OSEEN APPROXIMATION  
SUPERFLUIDITY

### INCONEL (TRADEMARK)

GS ALLOYS  
NICKEL ALLOYS  
INCONEL (TRADEMARK)  
RT CHROMIUM ALLOYS  
IRON ALLOYS

### INCREASING

RT ACCUMULATIONS  
AUGMENTATION  
GROWTH  
MAGNIFICATION  
PROMOTION  
SWELLING

### INDENE

GS ORGANIC COMPOUNDS  
CYCLIC COMPOUNDS  
CYCLIC HYDROCARBONS  
INDENE  
HYDROCARBONS  
CYCLIC HYDROCARBONS  
INDENE

### INDENTATION

RT DEFORMATION  
HARDNESS

### INDEPENDENT VARIABLES

UF ARGUMENTS (MATHEMATICS)  
PARAMETERS  
GS INDEPENDENT VARIABLES  
LATTICE PARAMETERS  
RT DEPENDENT VARIABLES  
DISTRIBUTED PARAMETER SYSTEMS  
OBSERVABILITY (SYSTEMS)  
PARAMETER IDENTIFICATION  
VARIABLE

### INDEXES

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT INDEXES (DOCUMENTATION)  
INDEXES (RATIOS)  
KP INDEX  
KWIC INDEXES

### INDEXES (DOCUMENTATION)

GS CLASSIFICATIONS  
INDEXES (DOCUMENTATION)  
KWIC INDEXES  
WISWESSER NOTATIONS  
RT ABSTRACTS  
BIBLIOGRAPHIES  
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### INDEXES (RATIOS)

GS RATIOS  
INDEXES (RATIOS)  
KP INDEX

### INDEXES (RATIOS)-(CONT.)

LEAF AREA INDEX  
MORPHOLOGICAL INDEXES  
RT EFFICIENCY  
INDEXES  
MASS TO LIGHT RATIOS

### INDIA

GS NATIONS  
INDIA  
RT ASIA  
BANGLADESH  
BHUTAN  
HIMALAYAS  
INDIAN SPACECRAFT  
ISRO  
SIKKIM

### INDIAN OCEAN

GS OCEANS  
INDIAN OCEAN  
RT ARABIAN SEA  
INDONESIA  
MALAGASY REPUBLIC

### INDIAN SPACE PROGRAM

GS PROGRAMS  
SPACE PROGRAMS  
INDIAN SPACE PROGRAM  
RT COMMUNICATION SATELLITES  
MANNED SPACE FLIGHT  
RESEARCH PROJECTS  
SATELLITE DESIGN  
SPACE MISSIONS  
SPACECRAFT  
SPACECRAFT DESIGN  
TECHNOLOGY UTILIZATION

### INDIAN SPACE RESEARCH ORGANIZATION

USE ISRO

### INDIAN SPACECRAFT

UF ARYABHATA  
INSAT SATELLITES  
IRS (INDIAN SPACECRAFT)  
SEO (INDIAN SPACECRAFT)  
RT INDIA  
SPACECRAFT

### INDIANA

GS NATIONS  
UNITED STATES  
INDIANA  
RT OHIO RIVER (US)  
WABASH RIVER BASIN (IL-IN-OH)

### INDICATING INSTRUMENTS

UF TEMPERATURE INDICATORS  
MEASURING INSTRUMENTS  
GS INDICATING INSTRUMENTS  
APPROACH INDICATORS  
ASTROLABES  
ATTITUDE INDICATORS  
GYRO HORIZONS  
CLOUD HEIGHT INDICATORS  
COMPASSES  
GYROCOMPASSES  
MAGNETIC COMPASSES  
SOLAR COMPASSES  
FLOW DIRECTION INDICATORS  
WIND VANES  
POSITION INDICATORS  
PLAN POSITION INDICATORS  
RADIO DIRECTION FINDERS  
SPACECRAFT POSITION  
INDICATORS  
SMOKE DETECTORS  
SPEED INDICATORS  
TACHOMETERS  
WEIGHT INDICATORS  
MICROBALANCES  
STRAIN GAGE BALANCES  
THERMOBALANCES  
RT AIRCRAFT INSTRUMENTS  
CONTROL MOMENT GYROSCOPES  
DETECTORS  
DIALS  
DISPLAY DEVICES  
GAS DETECTORS  
HEAD-UP DISPLAYS  
HELMET MOUNTED DISPLAYS  
INDICATION  
INDICATORS  
INSTRUMENT RECEIVERS  
INSTRUMENTS

## INDICATION

### INDICATING INSTRUMENTS-(CONT.)

RADARSCOPES  
RECORDING INSTRUMENTS  
THERMOCOUPLES  
THERMOPILES

### ∞ INDICATION

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*

RT EVALUATION  
INDICATING INSTRUMENTS  
PROBABILITY THEORY  
SIGNS AND SYMPTOMS

### ∞ INDICATORS

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*

RT AIRCRAFT GUIDANCE  
CHEMICAL INDICATORS  
INDICATING INSTRUMENTS  
METHYLENE BLUE  
RATE OF CLIMB INDICATORS

### INDIUM

GS CHEMICAL ELEMENTS  
. INDIUM  
METALS  
. INDIUM

### INDIUM ALLOYS

GS ALLOYS  
. INDIUM ALLOYS  
RT ALUMINUM ALLOYS  
GALLIUM ALLOYS  
LEAD ALLOYS  
TIN ALLOYS

### INDIUM ANTIMONIDES

GS ANTIMONY COMPOUNDS  
. ANTIMONIDES  
. INDIUM ANTIMONIDES  
INDIUM COMPOUNDS  
. INDIUM ANTIMONIDES  
RT SEMICONDUCTORS (MATERIALS)

### INDIUM ARSENIDES

GS ARSENIC COMPOUNDS  
. ARSENIDES  
. INDIUM ARSENIDES  
INDIUM COMPOUNDS  
. INDIUM ARSENIDES  
RT MODFETS

### INDIUM COMPOUNDS

GS INDIUM COMPOUNDS  
. INDIUM ANTIMONIDES  
. INDIUM ARSENIDES  
. INDIUM PHOSPHATES  
. INDIUM PHOSPHIDES  
. INDIUM SULFIDES  
. INDIUM TELLURIDES  
RT ∞ CHEMICAL COMPOUNDS  
∞ GROUP 3A COMPOUNDS  
∞ METAL COMPOUNDS

### INDIUM ISOTOPES

GS CHEMICAL ELEMENTS  
. NUCLIDES  
. ISOTOPES  
. . . RADIOACTIVE ISOTOPES  
. . . . INDIUM ISOTOPES  
METALS  
. INDIUM ISOTOPES

### INDIUM PHOSPHATES

GS INDIUM COMPOUNDS  
. INDIUM PHOSPHATES  
PHOSPHORUS COMPOUNDS  
. PHOSPHATES  
. INDIUM PHOSPHATES

### INDIUM PHOSPHIDES

GS INDIUM COMPOUNDS  
. INDIUM PHOSPHIDES  
PHOSPHORUS COMPOUNDS  
. PHOSPHIDES  
. INDIUM PHOSPHIDES  
RT TRANSFERRED ELECTRON DEVICES

### INDIUM SULFIDES

GS CHALCOGENIDES  
. SULFIDES

### INDIUM SULFIDES-(CONT.)

. . . INORGANIC SULFIDES  
. . . . INDIUM SULFIDES  
INDIUM COMPOUNDS  
. INDIUM SULFIDES  
SULFUR COMPOUNDS  
. SULFIDES  
. . . INORGANIC SULFIDES  
. . . . INDIUM SULFIDES

### INDIUM TELLURIDES

GS CHALCOGENIDES  
. TELLURIDES  
. INDIUM TELLURIDES  
INDIUM COMPOUNDS  
. INDIUM TELLURIDES  
TELLURIUM COMPOUNDS  
. TELLURIDES  
. INDIUM TELLURIDES  
RT SEMICONDUCTORS (MATERIALS)

### INDIUM-TIN-OXIDE SEMICONDUCTORS

USE ITO (SEMICONDUCTORS)

### INDOLES

GS ORGANIC COMPOUNDS  
. CYCLIC COMPOUNDS  
. HETEROCYCLIC COMPOUNDS  
. . . AZOLES  
. . . . PYRROLES  
. . . . . INDOLES  
. . . . . TRYPTOPHAN  
RT METHOXY SYSTEMS

### INDONESIA

GS LANDFORMS  
. ISLANDS  
. INDOONESIA  
NATIONS  
. INDOONESIA  
RT INDIAN OCEAN  
INDONESIAN SPACE PROGRAM  
PACIFIC OCEAN

### INDONESIAN SPACE PROGRAM

GS PROGRAMS  
. SPACE PROGRAMS  
. INDOONESIAN SPACE PROGRAM  
RT INDONESIA  
PALAPA SATELLITES  
PALAPA 2 SATELLITE

### INDOOR AIR POLLUTION

GS POLLUTION  
. ENVIRONMENT POLLUTION  
. AIR POLLUTION  
. . . INDOOR AIR POLLUTION  
RT AIR QUALITY  
AIR SAMPLING  
BUILDINGS

### INDUCED FLUID FLOW

USE FLUID FLOW

### INDUCTANCE

GS ELECTRICAL PROPERTIES  
. INDUCTANCE  
. . . PROXIMITY EFFECT (ELECTRICITY)  
ELECTROMAGNETIC PROPERTIES  
. INDUCTANCE  
. . . PROXIMITY EFFECT (ELECTRICITY)  
RT CAPACITANCE  
ELECTRICAL IMPEDANCE  
LC CIRCUITS  
MAGNETIC INDUCTION  
MAGNETIC PROPERTIES  
REACTANCE  
RL CIRCUITS  
TRANSFORMERS

### ∞ INDUCTION

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*

RT ARC GENERATORS  
DERIVATION  
INDUCTION (MATHEMATICS)  
INFERENCE  
INITIATION  
MAGNETIC INDUCTION  
NUMBER THEORY

### INDUCTION (MATHEMATICS)

GS NUMBER THEORY

### INDUCTION (MATHEMATICS)-(CONT.)

. INDUCTION (MATHEMATICS)  
RT ∞ INDUCTION  
MATHEMATICAL LOGIC

### INDUCTION HEATING

GS HEATING  
. INDUCTION HEATING  
RT FURNACES  
MAGNETIC INDUCTION  
MAGNETIC PUMPING  
MELTING  
PLASMA HEATING  
RADIO FREQUENCY HEATING  
VACUUM MELTING

### INDUCTION MOTORS

GS MOTORS  
. ELECTRIC MOTORS  
. . . INDUCTION MOTORS  
RT ALTERNATING CURRENT  
ARMATURES  
ASYNCHRONOUS MOTORS  
∞ ELECTRIC POWER  
ELECTRIC POWER SUPPLIES  
POWER FACTOR CONTROLLERS  
∞ ROTATING ELECTRICAL MACHINES  
SYNCHRONOUS MOTORS

### INDUCTION SYSTEMS

USE INTAKE SYSTEMS

### INDUCTORS

RT ARC GENERATORS  
BALLASTS (IMPEDANCES)  
CIRCUITS  
∞ COILS  
ELECTRIC ENERGY STORAGE  
ENERGY STORAGE  
MAGNET COILS  
TOROIDS

### INDUSTRIAL AREAS

RT CITIES  
COMMERCE  
CONSTRUCTION INDUSTRY  
∞ FACILITIES  
INDUSTRIES  
LAND USE  
MARKETING  
MEGALOPOLISES  
REGIONAL PLANNING  
SHIPYARDS  
SITE SELECTION  
URBAN DEVELOPMENT  
URBAN TRANSPORTATION

### INDUSTRIAL ENERGY

RT ALLOCATIONS  
COMMERCIAL ENERGY  
DISTRIBUTING  
DOMESTIC ENERGY  
ECONOMIC FACTORS  
∞ ENERGY  
ENERGY CONSUMPTION  
ENERGY CONVERSION  
TRANSPORTATION ENERGY

### INDUSTRIAL MANAGEMENT

UF BUSINESS MANAGEMENT  
GS MANAGEMENT  
. INDUSTRIAL MANAGEMENT  
. . . ENGINEERING MANAGEMENT  
. . . INVENTORY MANAGEMENT  
. . . INVENTORY CONTROLS  
. . . PERSONNEL MANAGEMENT  
RT PRODUCTION MANAGEMENT  
RESEARCH MANAGEMENT  
SYSTEMS MANAGEMENT

### INDUSTRIAL PLANTS

UF FACTORIES  
PLANTS (INDUSTRIES)  
GS INDUSTRIAL PLANTS  
. FOUNDRIES  
RT CONSTRUCTION INDUSTRY  
∞ FACILITIES  
PILOT PLANTS

### INDUSTRIAL SAFETY

GS SAFETY  
. INDUSTRIAL SAFETY  
RT ACCIDENTS  
BENZENE POISONING

**INDUSTRIAL SAFETY-(CONT.)**

BERYLLIUM POISONING  
CARBON TETRACHLORIDE POISONING  
HEALTH PHYSICS  
HYDROCARBON POISONING  
INDUSTRIES  
OCCUPATION  
REACTOR SAFETY

**INDUSTRIAL WASTES**

GS WASTES  
RT . **INDUSTRIAL WASTES**  
INDUSTRIES  
LANDFILLS  
LIQUID WASTES  
SOLID WASTES  
WASTE DISPOSAL  
WASTE UTILIZATION  
WASTE WATER

**INDUSTRIES**

GS **INDUSTRIES**  
AEROSPACE INDUSTRY  
AIRCRAFT INDUSTRY  
CONSTRUCTION INDUSTRY  
DEFENSE INDUSTRY  
WEAPONS INDUSTRY  
RT AIRCRAFT PRODUCTION COSTS  
COMMERCE  
COMMERCIAL SPACECRAFT  
CONTRACT NEGOTIATION  
CONTRACTORS  
ECONOMIC DEVELOPMENT  
ECONOMIC IMPACT  
GROSS NATIONAL PRODUCT  
INDUSTRIAL AREAS  
INDUSTRIAL SAFETY  
INDUSTRIAL WASTES  
MANUFACTURING  
PERSONNEL SUBSYSTEMS  
RETIREMENT  
SHIPYARDS  
SPACE INDUSTRIALIZATION  
SPACE MANUFACTURING  
TECHNOLOGIES  
TECHNOLOGY ASSESSMENT  
TECHNOLOGY UTILIZATION  
UTILITIES

**INELASTIC BODIES**

USE RIGID STRUCTURES

**INELASTIC COLLISIONS**

GS COLLISIONS  
RT . **INELASTIC COLLISIONS**  
SCATTERING

**INELASTIC SCATTERING**

GS SCATTERING  
RT . **INELASTIC SCATTERING**  
COHERENT SCATTERING  
COMPTON EFFECT  
ELASTIC SCATTERING  
ELECTRON SCATTERING  
MANDELSTAM REPRESENTATION  
NUCLEAR SCATTERING  
QUARK PARTON MODEL

**INELASTIC STRESS**

RT CYCLIC LOADS  
MATHEMATICAL MODELS  
METAL FATIGUE  
STRESS ANALYSIS  
STRESS-STRAIN DIAGRAMS

**INEQUALITIES**

GS **INEQUALITIES**  
SCHWARTZ INEQUALITY  
RT  $\infty$  MATHEMATICS

**INERT ATMOSPHERE**

GS CONTROLLED ATMOSPHERES  
INERT ATMOSPHERE

**INERT GASES**

USE RARE GASES

**INERTIA**

UF INERTIAL FORCES  
GS **INERTIA**  
INERTIA PRINCIPLE  
MACH INERTIA PRINCIPLE  
RT  $\infty$  FORCE  
FROUDE NUMBER

**INERTIA-(CONT.)**

MASS  
MOMENTS OF INERTIA  
 $\infty$  MOTION  
SIMILITUDE LAW

**INERTIA BONDING**

GS BONDING  
RT  $\infty$  JOINING  
METAL-METAL BONDING

**INERTIA MOMENTS**

USE MOMENTS OF INERTIA

**INERTIA PRINCIPLE**

GS INERTIA  
RT . **INERTIA PRINCIPLE**  
MACH INERTIA PRINCIPLE  
EQUATIONS OF MOTION  
MOMENTS OF INERTIA

**INERTIA WHEELS**

USE COUNTER-ROTATING WHEELS  
REACTION WHEELS

**INERTIAL CONFINEMENT FUSION**

GS **INERTIAL CONFINEMENT FUSION**  
IMPACT FUSION  
RT STRONGLY COUPLED PLASMAS

**INERTIAL COORDINATES**

GS COORDINATES  
RT . **INERTIAL COORDINATES**  
ASTROGUIDE NAVIGATION SYSTEM  
GEOCENTRIC COORDINATES  
INERTIALESS STEERABLE ANTENNAS

**INERTIAL FORCES**

USE INERTIA

**INERTIAL FUSION (REACTOR)**

RT  $\infty$  FUSION  
FUSION REACTORS  
ION BEAMS  
LASER FUSION  
LASER PLASMAS  
NUCLEAR FUELS  
PLASMA COMPRESSION  
PULSED LASERS  
RELATIVISTIC ELECTRON BEAMS

**INERTIAL GUIDANCE**

GS GUIDANCE (MOTION)  
RT . **INERTIAL GUIDANCE**  
STRAPDOWN INERTIAL GUIDANCE  
INJECTION GUIDANCE  
MIDCOURSE GUIDANCE  
REENTRY GUIDANCE  
SATELLITE GUIDANCE  
SPACECRAFT GUIDANCE  
STABILIZED PLATFORMS  
TERMINAL GUIDANCE

**INERTIAL MEASURING UNITS**

USE INERTIAL PLATFORMS

**INERTIAL NAVIGATION**

GS NAVIGATION  
RT . **INERTIAL NAVIGATION**  
ASTROGUIDE NAVIGATION SYSTEM  
GIMBALLESS INERTIAL NAVIGATION  
AIR NAVIGATION  
ALL-WEATHER AIR NAVIGATION  
CELESTIAL NAVIGATION  
DEAD RECKONING  
DIGITAL NAVIGATION  
HYPERBOLIC NAVIGATION  
NAVIGATION AIDS  
POLAR NAVIGATION  
RADAR NAVIGATION  
RADIO NAVIGATION  
SCHULER TUNING  
SPACE NAVIGATION  
STAR TRACKERS  
STRAPDOWN INERTIAL GUIDANCE  
SURFACE NAVIGATION

**INERTIAL PLATFORMS**

UF INERTIAL MEASURING UNITS  
RT GIMBALLESS INERTIAL NAVIGATION  
GYROSCOPIC STABILITY  
KALMAN-SCHMIDT FILTERING  
NAVIGATION INSTRUMENTS

**INERTIAL PLATFORMS-(CONT.)**

$\infty$  PLATFORMS  
THREE AXIS STABILIZATION

**INERTIAL REFERENCE SYSTEMS**

RT CELESTIAL REFERENCE SYSTEMS  
 $\infty$  REFERENCE SYSTEMS  
RELATIVITY  
 $\infty$  SYSTEMS

**INERTIAL UPPER STAGE**

UF INTERIM UPPER STAGE (STS)  
IUS  
GS INTERIM STAGES (SPACECRAFT)  
RT . **INERTIAL UPPER STAGE**  
ORBIT TRANSFER VEHICLES  
RECOVERABLE SPACECRAFT  
REUSABLE SPACECRAFT  
SPACE SHUTTLE ORBITERS  
SPACE SHUTTLES  
SPACE TRANSPORTATION  
SPACE TRANSPORTATION SYSTEM  
SPACE TUGS  
ULYSSES MISSION  
UPPER STAGE ROCKET ENGINES

**INERTIALESS STEERABLE ANTENNAS**

GS ANTENNAS  
DIRECTIONAL ANTENNAS  
STEERABLE ANTENNAS  
INERTIALESS STEERABLE  
ANTENNAS  
ARRAYS  
ANTENNA ARRAYS  
STEERABLE ANTENNAS  
INERTIALESS STEERABLE  
ANTENNAS  
RT COMMUNICATION EQUIPMENT  
INERTIAL COORDINATES

**INFARCTION**

GS DISEASES  
HEART DISEASES  
INFARCTION  
MYOCARDIAL INFARCTION  
RT EMBOLISMS  
THROMBOSIS  
TISSUES (BIOLOGY)

**INFECTIONS**

USE INFECTIOUS DISEASES

**INFECTIOUS DISEASES**

UF INFECTIONS  
GS DISEASES  
INFECTION DISEASES  
AIRBORNE INFECTION  
BACTERIAL DISEASES  
CHOLERA  
DIPHTHERIA  
SYPHILIS  
TUBERCULOSIS  
TYPHOID  
TYPHUS  
CONJUNCTIVITIS  
DERMATITIS  
CONTACT DERMATITIS  
FUNGAL DISEASES  
HEPATITIS  
MENINGITIS  
PARASITIC DISEASES  
VIRAL DISEASES  
INFLUENZA  
POLIOMYELITIS  
SMALLPOX  
RT ANTISEPTICS  
ASPERGILLUS  
 $\infty$  BLISTERS  
EPIDEMIOLOGY  
IMMUNITY  
LEUKOPENIA

**INFERENCE**

RT ASSUMPTIONS  
DEDUCTION  
HYPOTHESES  
IMPLICATION  
 $\infty$  INDUCTION

**INFESTATION**

UF INSECT DAMAGE  
RT BEETLES  
BOLL WEEVILS  
BOLLWORMS  
CHIRONOMUS FLIES

## INFILTRATION

### INFESTATION-(CONT.)

- FLATWORMS
- INSECTS
- LARVAE
- LOCUSTS
- MOTHS
- PARASITES
- PLANTS (BOTANY)
- SILKWORMS
- WORMS

### INFILTRATION

- RT AIR CONDITIONING
- PERMEABILITY
- POROSITY
- VOIDS
- WARFARE

### INFINITE SPAN WINGS

- GS AIRFOILS
  - THIN AIRFOILS
  - THIN WINGS
  - INFINITE SPAN WINGS
  - WINGS
  - SLENDER WINGS
  - INFINITE SPAN WINGS
  - THIN WINGS
  - INFINITE SPAN WINGS
  - UNSWEPT WINGS
  - INFINITE SPAN WINGS
  - PLANFORMS
  - WING PLANFORMS
  - INFINITE SPAN WINGS
- RT FLEXIBLE WINGS

### INFINITY

- RT FUNCTIONS (MATHEMATICS)
- GEOMETRY
- NUMBER THEORY
- PROBABILITY THEORY
- REAL VARIABLES
- SERIES (MATHEMATICS)

### INFLATABLE DEVICES

- USE INFLATABLE STRUCTURES

### INFLATABLE GLIDERS

- GS EXPANDABLE STRUCTURES
- INFLATABLE STRUCTURES
- INFLATABLE GLIDERS
- GLIDERS
- PARAGLIDERS
- INFLATABLE GLIDERS
- RT AIRCRAFT

### INFLATABLE SPACECRAFT

- GS EXPANDABLE STRUCTURES
- INFLATABLE STRUCTURES
- INFLATABLE SPACECRAFT
- BEACON SATELLITES
- BEACON EXPLORER A
- EXPLORER 22 SATELLITE
- SPACE ERECTABLE STRUCTURES
- INFLATABLE SPACECRAFT
- BEACON SATELLITES
- BEACON EXPLORER A
- EXPLORER 22 SATELLITE
- RT ARTIFICIAL SATELLITES
- ORBITAL ASSEMBLY
- SELF ERECTING DEVICES
- SPACECRAFT
- UNMANNED SPACECRAFT

### INFLATABLE STRUCTURES

- UF DEFLATING
- INFLATABLE DEVICES
- GS EXPANDABLE STRUCTURES
- INFLATABLE STRUCTURES
- AIR BAG RESTRAINT DEVICES
- BALLOONS
- HIGH ALTITUDE BALLOONS
- JIMSPHERE BALLOONS
- SKYHOOK BALLOONS
- SUPERPRESSURE BALLOONS
- METEOROLOGICAL BALLOONS
- JIMSPHERE BALLOONS
- ROBIN BALLOONS
- MICROBALLOONS
- TETHERED BALLOONS
- BALLUTES
- GAS BAGS
- INFLATABLE GLIDERS
- INFLATABLE SPACECRAFT
- BEACON SATELLITES
- BEACON EXPLORER A

### INFLATABLE STRUCTURES-(CONT.)

- EXPLORER 22 SATELLITE
- PARAVULCOONS
- RT AIRSHIPS
- BOATS
- BUILDINGS
- FLEXIBLE BODIES
- FLEXIBLE WINGS
- FLOATS
- FOLDING STRUCTURES
- INFLATING
- LIFE RAFTS
- LUNAR SHELTERS
- PNEUMATIC EQUIPMENT
- PRESSURE SUITS
- RADOMES
- SELF ERECTING DEVICES
- SPACE ERECTABLE STRUCTURES
- SPACE STATIONS
- STRUCTURES
- TIRES
- VARIABLE GEOMETRY STRUCTURES

### INFLATING

- SN (EXCLUDES ECONOMIC INFLATION)
- RT EXPANSION
- GAS INJECTION
- GROWTH
- INFLATABLE STRUCTURES
- PRESSURE REDUCTION
- PRESSURIZING
- SWELLING

### INFLECTION POINTS

- GS GEOMETRY
- EUCLIDEAN GEOMETRY
- POINTS (MATHEMATICS)
- INFLECTION POINTS
- RT CURVES (GEOMETRY)
- FUNCTIONS (MATHEMATICS)
- LINE SHAPE
- REAL VARIABLES

### INFLUENCE COEFFICIENT

- GS COEFFICIENTS
- INFLUENCE COEFFICIENT
- STRUCTURAL INFLUENCE COEFFICIENTS
- RT AEROELASTICITY
- DISCHARGE COEFFICIENT
- ELASTIC PROPERTIES
- FLUTTER
- FORCE DISTRIBUTION
- HYDRAULICS
- MOMENT DISTRIBUTION
- NOZZLE THRUST COEFFICIENTS
- PLASTIC PROPERTIES
- PRESSURE DISTRIBUTION
- STRESS ANALYSIS
- STRUCTURAL ANALYSIS

### INFLUENZA

- GS DISEASES
- INFECTIOUS DISEASES
- VIRAL DISEASES
- INFLUENZA
- RESPIRATORY DISEASES
- INFLUENZA

### INFORMATION

- RT ANNOTATIONS
- COMMUNICATING
- COMMUNICATION
- DATA
- DOCUMENTATION
- MATHEMATICAL TABLES
- NEWS MEDIA
- PRESENTATION
- PRIVACY
- REPORTS

### INFORMATION ADAPTIVE SYSTEM

- GS INFORMATION SYSTEMS
- INFORMATION ADAPTIVE SYSTEM
- RT COMMUNICATION EQUIPMENT
- SYSTEMS

### INFORMATION DISSEMINATION

- GS COMMUNICATING
- INFORMATION DISSEMINATION
- MESSAGES
- SELECTIVE DISSEMINATION OF INFORMATION
- RT BIBLIOGRAPHIES
- CATALOGS (PUBLICATIONS)

### INFORMATION DISSEMINATION-(CONT.)

- DOCUMENTATION
- EXTRATERRESTRIAL COMMUNICATION
- INDEXES (DOCUMENTATION)
- INFORMATION TRANSFER
- INTEGRATED LIBRARY SYSTEMS
- LIBRARIES
- PRIVACY
- REPORTS
- SUMMARIES

### INFORMATION FLOW

- RT AEROSPACE TECHNOLOGY TRANSFER
- COMMUNICATING
- COMMUNICATION
- FLOW
- INFORMATION TRANSFER
- MANAGEMENT
- MESSAGE PROCESSING
- SELECTIVE DISSEMINATION OF INFORMATION
- TECHNOLOGY TRANSFER

### INFORMATION MANAGEMENT

- GS MANAGEMENT
- INFORMATION MANAGEMENT
- RT COMMUNICATING
- COMMUNICATION
- DATA BASE MANAGEMENT SYSTEMS
- DATA RETRIEVAL
- DATA STORAGE
- INFORMATION TRANSFER
- INTEGRATED LIBRARY SYSTEMS
- TECHNOLOGY TRANSFER

### INFORMATION PROCESSING (BIOLOGY)

- RT ARTIFICIAL INTELLIGENCE
- BIOELECTRICITY
- BRAIN
- COGNITION
- COGNITIVE PSYCHOLOGY
- ELECTROPHYSIOLOGY
- HUMAN PERFORMANCE
- NEUROPHYSIOLOGY
- PERCEPTION
- PSYCHOPHYSIOLOGY

### INFORMATION RETRIEVAL

- GS RETRIEVAL
- INFORMATION RETRIEVAL
- RT ABSTRACTS
- BIBLIOGRAPHIES
- COMMAND LANGUAGES
- COMPUTERS
- DATA PROCESSING
- DATA RETRIEVAL
- DOCUMENTATION
- DOCUMENTS
- INDEXES (DOCUMENTATION)
- INFORMATION TRANSFER
- INTEGRATED LIBRARY SYSTEMS
- INTERSERVICE DATA EXCHANGE PROGRAM
- LIBRARIES
- MANAGEMENT INFORMATION SYSTEMS
- NUMERICAL DATA BASES
- ON-LINE SYSTEMS
- QUERY LANGUAGES
- SEARCH PROFILES
- SELECTIVE DISSEMINATION OF INFORMATION
- SPACE GLOSSARIES
- STARSITE PROGRAM
- SUBJECTS
- THESAURI

### INFORMATION SYSTEMS

- GS INFORMATION SYSTEMS
- ATMOSPHERIC & OCEANOGRAPHIC INFORM SYS
- EARTH RESOURCES INFORMATION SYSTEM
- GEOGRAPHIC INFORMATION SYSTEMS
- INFORMATION ADAPTIVE SYSTEM
- INTEGRATED LIBRARY SYSTEMS
- MANAGEMENT INFORMATION SYSTEMS
- NUMERICAL DATA BASES
- RT EARTH OBSERVING SYSTEM (EOS)
- INFORMATION TRANSFER
- LIBRARIES
- MANAGEMENT SYSTEMS
- ON-LINE SYSTEMS
- SELECTIVE DISSEMINATION OF INFORMATION

## INFRARED REFLECTION

### INFORMATION SYSTEMS-(CONT.)

- ∞ SYSTEMS
- SYSTEMS MANAGEMENT

### INFORMATION THEORY

- UF SHANNON INFORMATION THEORY
- RT ∞ APPLICATIONS OF MATHEMATICS
- AUTOMATA THEORY
- ∞ AUTOMATION
- BCH CODES
- CODING
- COMBINATORIAL ANALYSIS
- COMMUNICATION THEORY
- COMPUTERS
- CORRECTION
- CORRELATION
- CRYPTOGRAPHY
- CYBERNETICS
- DATA PROCESSING
- DATA TRANSMISSION
- DECISION THEORY
- ERGODIC PROCESS
- ERROR DETECTION CODES
- FOURIER ANALYSIS
- GAME THEORY
- ∞ LOGIC
- MACHINE TRANSLATION
- MANAGEMENT INFORMATION SYSTEMS
- ∞ MATHEMATICS
- MAXIMUM ENTROPY METHOD
- MESSAGES
- ∞ NOISE
- OPERATIONS RESEARCH
- PARITY
- PETRI NETS
- PHASE SHIFT KEYING
- PROBABILITY THEORY
- QUANTUM AMPLIFIERS
- RANDOM PROCESSES
- REDUNDANCY
- SHANNON-WIENER MEASURE
- STATISTICAL ANALYSIS
- ∞ STATISTICS
- STOCHASTIC PROCESSES
- SYSTEMS ENGINEERING
- TELECOMMUNICATION
- TERMS
- ∞ THEORIES

### INFORMATION TRANSFER

- RT INFORMATION DISSEMINATION
- INFORMATION FLOW
- INFORMATION MANAGEMENT
- INFORMATION RETRIEVAL
- INFORMATION SYSTEMS
- INTERNATIONAL COOPERATION
- TECHNOLOGY TRANSFER
- TECHNOLOGY UTILIZATION

### INFORMATION TRANSMISSION

- USE DATA TRANSMISSION

### INFRARED ABSORPTION

- GS ENERGY ABSORPTION
- . RADIATION ABSORPTION
- . . . ELECTROMAGNETIC ABSORPTION
- . . . INFRARED ABSORPTION
- RT ∞ ABSORPTION
- ATMOSPHERIC ATTENUATION
- ATMOSPHERIC OPTICS
- INFRARED RADIATION
- LIGHT SCATTERING
- OPTICAL PROPERTIES
- THERMAL EMISSION
- TRANSMITTANCE
- WAVE ATTENUATION

### INFRARED ASTRONOMY

- GS ASTRONOMY
- . INFRARED ASTRONOMY
- RT ASTRONOMICAL PHOTOGRAPHY
- INFRARED ASTRONOMY SATELLITE
- INFRARED PHOTOMETRY
- INFRARED SOURCES (ASTRONOMY)
- INFRARED SPACE OBSERVATORY (ISO)
- SPACE INFRARED TELESCOPE FACILITY

### INFRARED ASTRONOMY SATELLITE

- UF IRAS
- GS OBSERVATORIES
- . ASTRONOMICAL OBSERVATORIES
- . . . ASTRONOMICAL SATELLITES
- . . . INFRARED ASTRONOMY SATELLITE
- RT GEOSYNCHRONOUS ORBITS
- INFRARED ASTRONOMY

### INFRARED ASTRONOMY SATELLITE-(CONT.)

- INFRARED SOURCES (ASTRONOMY)
- IRAS-ARAKI-ALCOCK COMET

### INFRARED DETECTORS

- GS MEASURING INSTRUMENTS
- . RADIATION MEASURING INSTRUMENTS
- . . . ACTINOMETERS
- . . . RADIOMETERS
- . . . . INFRARED DETECTORS
- . . . INFRARED INSTRUMENTS
- . . . . INFRARED DETECTORS
- . . . . FLIR DETECTORS
- RT BOLOMETERS
- ∞ DETECTORS
- ELECTROMAGNETIC MEASUREMENT
- FOCAL PLANE DEVICES
- FOREST FIRE DETECTION
- INFRARED SIGNATURES
- MERCURY CADMIUM TELLURIDES

### INFRARED FILTERS

- GS ELECTROMAGNETIC WAVE FILTERS
- . OPTICAL FILTERS
- . . . INFRARED FILTERS
- RT ELECTRIC FILTERS
- ULTRAVIOLET FILTERS

### INFRARED HORIZON SCANNERS

- USE HORIZON SCANNERS
- INFRARED SCANNERS

### INFRARED IMAGERY

- GS IMAGERY
- . INFRARED IMAGERY
- PHOTOGRAPHY
- . INFRARED IMAGERY
- RT COLOR INFRARED PHOTOGRAPHY
- LUNAR EQUATOR
- THERMOGRAPHY
- X RAY IMAGERY

### INFRARED INSPECTION

- GS INSPECTION
- . INFRARED INSPECTION
- RT QUALITY CONTROL

### INFRARED INSTRUMENTS

- GS MEASURING INSTRUMENTS
- . RADIATION MEASURING INSTRUMENTS
- . . . INFRARED INSTRUMENTS
- . . . INFRARED DETECTORS
- . . . . FLIR DETECTORS
- . . . INFRARED SCANNERS
- . . . INFRARED SPECTROMETERS
- . . . INFRARED SPECTROPHOTOMETERS
- RT FOREST FIRE DETECTION

### INFRARED INTERFEROMETERS

- GS MEASURING INSTRUMENTS
- . INTERFEROMETERS
- . . . INFRARED INTERFEROMETERS
- RT INTERFEROMETRY
- OPTICAL EQUIPMENT
- OPTICAL MEASUREMENT
- OPTICAL MEASURING INSTRUMENTS
- SPECKLE INTERFEROMETRY

### INFRARED LASERS

- UF INFRARED MASERS
- IRASERS
- GS STIMULATED EMISSION DEVICES
- . LASERS
- . . . INFRARED LASERS
- RT ARGON LASERS
- CARBON DIOXIDE LASERS
- CARBON LASERS
- CARBON MONOXIDE LASERS
- CHEMICAL LASERS
- DYE LASERS
- GAS LASERS
- HF LASERS
- LIQUID LASERS
- ORGANIC LASERS
- SOLID STATE LASERS
- WAVEGUIDE LASERS

### INFRARED MASERS

- USE INFRARED LASERS

### INFRARED PHOTOGRAPHY

- GS IMAGERY
- . INFRARED PHOTOGRAPHY
- . . . COLOR INFRARED PHOTOGRAPHY

### INFRARED PHOTOGRAPHY-(CONT.)

- PHOTOGRAPHY
- . MULTISPECTRAL PHOTOGRAPHY
- . . . INFRARED PHOTOGRAPHY
- . . . . COLOR INFRARED PHOTOGRAPHY
- RT AERIAL PHOTOGRAPHY
- ASTRONOMICAL PHOTOGRAPHY
- BLACK AND WHITE PHOTOGRAPHY
- CINEMATOGRAPHY
- FAINT OBJECT CAMERA
- FOREST FIRE DETECTION
- GEOGRAPHIC INFORMATION SYSTEMS
- ICE MAPPING
- LUNAR PHOTOGRAPHY
- METEOROLOGICAL SATELLITES
- METEOSAT SATELLITE
- MULTISPECTRAL BAND CAMERAS
- NIMBUS SATELLITES
- RADIOMETERS
- SATELLITE-BORNE PHOTOGRAPHY
- TIMBER INVENTORY
- ULTRAVIOLET PHOTOGRAPHY

### INFRARED PHOTOMETRY

- GS OPTICAL MEASUREMENT
- . PHOTOMETRY
- . . . INFRARED PHOTOMETRY
- RT ASTRONOMICAL PHOTOMETRY
- INFRARED ASTRONOMY
- INFRARED SPECTRA
- NEAR INFRARED RADIATION
- STELLAR SPECTROPHOTOMETRY

### INFRARED RADAR

- GS RADAR
- . INFRARED RADAR
- RT FLIR DETECTORS
- RADAR IMAGERY

### INFRARED RADIATION

- GS ELECTROMAGNETIC RADIATION
- . INFRARED RADIATION
- . . . FAR INFRARED RADIATION
- . . . NEAR INFRARED RADIATION
- RT BEAMS (RADIATION)
- BLACK BODY RADIATION
- COHERENT ELECTROMAGNETIC RADIATION
- ENERGY ABSORPTION
- EVAPOROGRAPHY
- EXHAUST EMISSION
- HEAT
- INFRARED ABSORPTION
- INFRARED SIGNATURES
- INFRARED SOURCES (ASTRONOMY)
- LIGHT (VISIBLE RADIATION)
- MICROWAVES
- MONOCHROMATIC RADIATION
- PLANETARY RADIATION
- POLARIZED ELECTROMAGNETIC RADIATION
- ∞ RADIATION
- SEYFERT GALAXIES
- SOLAR RADIATION
- SUNLIGHT
- TERRESTRIAL RADIATION
- THERMAL RADIATION
- WAVELENGTHS
- XENON LAMPS

### INFRARED RADIOMETERS

- GS MONITORS
- . INFRARED RADIOMETERS
- RT AERIAL RECONNAISSANCE
- ATMOSPHERIC CORRECTION
- DATA ACQUISITION
- EARTH RESOURCES PROGRAM
- ENVIRONMENTAL MONITORING
- FOREST FIRE DETECTION
- PRESSURE MODULATOR RADIOMETERS
- RADIOMETRIC CORRECTION
- SATELLITE-BORNE INSTRUMENTS
- THERMAL MAPPING
- VISIBLE INFRARED SPIN SCAN RADIOMETER

### INFRARED REFLECTION

- GS REFLECTION
- . INFRARED REFLECTION
- RT OPTICAL REFLECTION
- RADIATIVE HEAT TRANSFER
- RADIO ECHOES
- SPREAD REFLECTION
- ULTRAVIOLET REFLECTION

## INFRARED SCANNERS

### INFRARED SCANNERS

UF INFRARED HORIZON SCANNERS  
 GS MEASURING INSTRUMENTS  
 . RADIATION MEASURING INSTRUMENTS  
 . . ACTINOMETERS  
 . . . RADIOMETERS  
 . . . . **INFRARED SCANNERS**  
 . . . INFRARED INSTRUMENTS  
 . . . . **INFRARED SCANNERS**  
 SCANNERS  
 . **INFRARED SCANNERS**  
 RT FOREST FIRE DETECTION  
 HORIZON SCANNERS  
 MULTISPECTRAL BAND SCANNERS  
 OPTICAL EQUIPMENT  
 SCANNER PROJECT  
 THERMAL MAPPING

### INFRARED SIGNATURES

GS SIGNATURES  
 . **INFRARED SIGNATURES**  
 RT INFRARED DETECTORS  
 INFRARED RADIATION  
 INFRARED SPECTRA  
 SIGNATURE ANALYSIS

### INFRARED SOURCES (ASTRONOMY)

GS CELESTIAL BODIES  
 . **INFRARED SOURCES (ASTRONOMY)**  
 . . INFRARED STARS  
 RT ASTRONOMY  
 HERBIG-HARO OBJECTS  
 INFRARED ASTRONOMY  
 INFRARED ASTRONOMY SATELLITE  
 INFRARED RADIATION

### INFRARED SPACE OBSERVATORY (ISO)

GS ARTIFICIAL SATELLITES  
 . ESA SATELLITES  
 . . **INFRARED SPACE OBSERVATORY (ISO)**  
 ESA SPACECRAFT  
 . ESA SATELLITES  
 . . **INFRARED SPACE OBSERVATORY (ISO)**  
 OBSERVATORIES  
 . ASTRONOMICAL OBSERVATORIES  
 . . ASTRONOMICAL SATELLITES  
 . . . **INFRARED SPACE OBSERVATORY (ISO)**  
 TELESCOPES  
 . SPACEBORNE TELESCOPES  
 . . **INFRARED SPACE OBSERVATORY (ISO)**  
 RT EUROPEAN SPACE PROGRAMS  
 INFRARED ASTRONOMY  
 SPACEBORNE ASTRONOMY

### INFRARED SPECTRA

GS SPECTRA  
 . RADIATION SPECTRA  
 . . ELECTROMAGNETIC SPECTRA  
 . . . **INFRARED SPECTRA**  
 RT ∞ ABSORPTION  
 EMISSION SPECTRA  
 INFRARED PHOTOMETRY  
 INFRARED SIGNATURES  
 LINE SPECTRA  
 MICROWAVE SPECTRA  
 MOLECULAR SPECTRA  
 SOLAR SPECTRA  
 STELLAR SPECTRA

### INFRARED SPECTROMETERS

GS MEASURING INSTRUMENTS  
 . OPTICAL MEASURING INSTRUMENTS  
 . . **INFRARED SPECTROMETERS**  
 . . . FILTER WHEEL INFRARED SPECTROMETERS  
 . RADIATION MEASURING INSTRUMENTS  
 . . ACTINOMETERS  
 . . . **INFRARED SPECTROMETERS**  
 . . INFRARED INSTRUMENTS  
 . . . **INFRARED SPECTROMETERS**  
 SPECTROMETERS  
 . . **INFRARED SPECTROMETERS**  
 . . . FILTER WHEEL INFRARED SPECTROMETERS  
 OPTICAL EQUIPMENT  
 . OPTICAL MEASURING INSTRUMENTS  
 . . **INFRARED SPECTROMETERS**  
 . . . FILTER WHEEL INFRARED SPECTROMETERS  
 RT EBERT SPECTROMETERS  
 SOLAR SPECTROMETERS

### INFRARED SPECTROPHOTOMETERS

GS MEASURING INSTRUMENTS  
 . OPTICAL MEASURING INSTRUMENTS  
 . . SPECTROPHOTOMETERS  
 . . . **INFRARED SPECTROPHOTOMETERS**  
 . RADIATION MEASURING INSTRUMENTS  
 . . ACTINOMETERS  
 . . . SPECTROPHOTOMETERS  
 . . . . **INFRARED SPECTROPHOTOMETERS**  
 . INFRARED INSTRUMENTS  
 . . **INFRARED SPECTROPHOTOMETERS**  
 OPTICAL EQUIPMENT  
 . OPTICAL MEASURING INSTRUMENTS  
 . . SPECTROPHOTOMETERS  
 . . . **INFRARED SPECTROPHOTOMETERS**  
 RT CHEMICAL ANALYSIS  
 FILTER WHEEL INFRARED SPECTROMETERS  
 PHOTOMETERS

### INFRARED SPECTROSCOPY

GS SPECTROSCOPY  
 . **INFRARED SPECTROSCOPY**  
 RT ABSORPTION SPECTROSCOPY  
 ASTRONOMICAL SPECTROSCOPY  
 CHEMICAL ANALYSIS  
 ELECTRON SPECTROSCOPY  
 LASER SPECTROMETERS  
 MOLECULAR SPECTROSCOPY  
 MOLECULAR STRUCTURE  
 OPTOGALVANIC SPECTROSCOPY  
 RAMAN SPECTROSCOPY  
 SPECTROMETERS  
 SPECTROSCOPIC ANALYSIS  
 VACUUM SPECTROSCOPY

### INFRARED STARS

GS CELESTIAL BODIES  
 . INFRARED SOURCES (ASTRONOMY)  
 . . **INFRARED STARS**  
 . STARS  
 . . **INFRARED STARS**  
 RT HERBIG-HARO OBJECTS

### INFRARED SUPPRESSION

RT AFTERBURNING  
 AIRCRAFT DETECTION  
 AIRCRAFT ENGINES  
 COOLING SYSTEMS  
 EXHAUST GASES  
 EXHAUST NOZZLES  
 HEAT SHIELDING  
 JET ENGINES  
 JET EXHAUST  
 REACTION PRODUCTS  
 SUPPRESSORS  
 TEMPERATURE CONTROL

### INFRARED TELESCOPES

GS TELESCOPES  
 . **INFRARED TELESCOPES**  
 . . SPACE INFRARED TELESCOPE FACILITY  
 RT ASTRONOMY  
 ASTROPLANE

### INFRARED TRACKING

GS TRACKING (POSITION)  
 . **INFRARED TRACKING**  
 RT ANTIMISSILE MISSILES  
 COMPENSATORY TRACKING  
 HOMING DEVICES  
 MISSILE TRACKING  
 OPTICAL TRACKING  
 PURSUIT TRACKING  
 RADIOMETERS

### INFRARED WINDOWS

RT APERTURES  
 LASERS  
 ∞ WINDOWS

### INFRASONIC FREQUENCIES

GS FREQUENCIES  
 . **INFRASONIC FREQUENCIES**  
 RT ACOUSTICS

### ∞ INGESTION

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW.)*  
 RT INGESTION (BIOLOGY)  
 INGESTION (ENGINES)

### INGESTION (BIOLOGY)

GS **INGESTION (BIOLOGY)**  
 . DRINKING  
 . EATING  
 . GRAZING  
 RT ∞ INGESTION  
 SWALLOWING

### INGESTION (ENGINES)

RT ENGINE FAILURE  
 ∞ INGESTION

### INGOTS

GS CASTINGS  
 . **INGOTS**  
 RT BILLETS  
 CASTING  
 MOLDS  
 SOLIDIFICATION

### INGREDIENTS

RT ADMIXTURES  
 ∞ COMPONENTS  
 ∞ COMPOSITION  
 CONTENT  
 FORMULATIONS  
 MIXTURES

### INGRESS (SPACECRAFT PASSAGEWAY)

RT AIR LOCKS  
 DOORS  
 EGRESS  
 HATCHES  
 OPENINGS

### INHABITANTS

GS COMMUNITIES  
 . **INHABITANTS**  
 . . MOUNTAIN INHABITANTS  
 RT ABORIGINES  
 CITIES  
 DEMOGRAPHY  
 PERSONNEL  
 RESIDENTIAL AREAS

### INHALATION

USE RESPIRATION

### ∞ INHIBITION

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW.)*  
 RT ATTENUATION  
 CORROSION PREVENTION  
 DETACHMENT  
 DITHERS  
 FRUSTRATION  
 HANDICAPS  
 INHIBITION (PSYCHOLOGY)  
 INHIBITORS  
 INTROVERSION  
 LETHARGY  
 PASSIVITY  
 PREVENTION  
 ∞ REDUCTION  
 STOPPING

### INHIBITION (PSYCHOLOGY)

RT CONDITIONING (LEARNING)  
 ∞ INHIBITION

### INHIBITORS

GS **INHIBITORS**  
 . WEAR INHIBITORS  
 RT ADDITIVES  
 ANTIDOTES  
 ANTIFOULING  
 ANTIICING ADDITIVES  
 ANTIOXIDANTS  
 CASE BONDED PROPELLANTS  
 CATALYSTS  
 COATINGS  
 CORROSION PREVENTION  
 ∞ INHIBITION  
 NEUTRALIZERS  
 PACKAGING  
 PASSIVITY  
 PROPELLANT ADDITIVES  
 PROPELLANT DECOMPOSITION  
 PROPELLANT STORABILITY  
 RETARDANTS  
 SILENCERS  
 SOLID PROPELLANT IGNITION  
 SOLID PROPELLANTS

**INHIBITORS-(CONT.)**  
SUPPRESSORS

**INHOMOGENEITY**  
UF NONHOMOGENEITY  
RT DEFECTS  
HETEROGENEITY  
NONUNIFORMITY

**INHOUR EQUATION**  
RT ∞ EQUATIONS  
NUCLEAR REACTIONS  
NUCLEAR REACTORS  
REACTIVITY  
REACTOR PHYSICS

**INITIAL VALUE PROBLEMS**  
USE BOUNDARY VALUE PROBLEMS

**INITIATION**  
RT ACTIVATION  
ACTUATION  
DETONATION  
∞ GENERATION  
∞ INDUCTION  
INOCULATION  
NUCLEATION  
∞ PRIMING  
REACTOR STARTUP TESTS  
STARTING  
STIMULATION

∞ **INITIATORS**  
SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT CATALYSTS  
INITIATORS (EXPLOSIVES)  
STYPHNATES

**INITIATORS (EXPLOSIVES)**  
UF ELECTROEXPLOSIVE DEVICES  
GS EXPLOSIVE DEVICES  
INITIATORS (EXPLOSIVES)  
BOOSTERS (EXPLOSIVES)  
CAPS (EXPLOSIVES)  
DETONATORS  
EXPLODING WIRES  
PRIMERS (EXPLOSIVES)  
IGNITERS  
INITIATORS (EXPLOSIVES)  
BOOSTERS (EXPLOSIVES)  
CAPS (EXPLOSIVES)  
DETONATORS  
EXPLODING WIRES  
PRIMERS (EXPLOSIVES)  
RT FUSES (ORDNANCE)  
∞ INITIATORS  
PYROTECHNICS  
STYPHNATES

**INJECTION**  
GS **INJECTION**  
CARRIER INJECTION  
FLUID INJECTION  
GAS INJECTION  
LIQUID INJECTION  
DEEP WELL INJECTION (WASTES)  
WATER INJECTION  
FUEL INJECTION  
ION INJECTION  
SECONDARY INJECTION  
TRANSEARTH INJECTION  
TRANSLUNAR INJECTION  
RT BARRITT DIODES  
BLOWING  
BOUNDARY LAYER SEPARATION  
∞ CHARGING  
FEEDING (SUPPLYING)  
FILLING  
FLUID FLOW  
IMPLANTATION  
INJECTORS  
INPUT  
PERFORATING  
SUPPLYING

**INJECTION CARBURETORS**  
USE CARBURETORS  
FUEL INJECTION

**INJECTION GUIDANCE**  
GS GUIDANCE (MOTION)  
INJECTION GUIDANCE

**INJECTION GUIDANCE-(CONT.)**  
RT ASCENT TRAJECTORIES  
CELESTIAL NAVIGATION  
COMMAND GUIDANCE  
INERTIAL GUIDANCE  
MIDCOURSE GUIDANCE  
RENDEZVOUS GUIDANCE  
SATELLITE GUIDANCE  
SPACECRAFT GUIDANCE  
TRANSEARTH INJECTION  
TRANSLUNAR INJECTION

**INJECTION LASERS**  
GS STIMULATED EMISSION DEVICES  
LASERS  
INJECTION LASERS  
RT GALLIUM ARSENIDE LASERS  
GALLIUM ARSENIDES  
INJECTION LOCKING  
SEMICONDUCTOR LASERS

**INJECTION LOCKING**  
RT CARRIER INJECTION  
INJECTION LASERS  
LASER MODE LOCKING

**INJECTION MOLDING**  
GS FORMING TECHNIQUES  
INJECTION MOLDING  
RT CERAMICS  
DIES  
EXTRUDING  
MELTING  
MOLDING MATERIALS  
MOLDS  
PLASTICS

**INJECTORS**  
GS **INJECTORS**  
VORTEX INJECTORS  
RT BLOWERS  
CARBURETORS  
EJECTORS  
FEEDERS  
FUEL INJECTION  
FUEL SYSTEMS  
INJECTION  
JET FLOW  
JET MIXING FLOW  
∞ JET NOZZLES  
∞ JETS  
NOZZLE FLOW  
∞ NOZZLES  
ORIFICES  
PUMPS  
SPRAY NOZZLES

**INJUN EXPLORER**  
USE EXPLORER 25 SATELLITE

**INJUN SATELLITES**  
GS ARTIFICIAL SATELLITES  
INJUN SATELLITES  
EXPLORER 25 SATELLITE  
INJUN 1 SATELLITE  
INJUN 3 SATELLITE  
INJUN 4 SATELLITE

**INJUN 1 SATELLITE**  
GS ARTIFICIAL SATELLITES  
INJUN SATELLITES  
INJUN 1 SATELLITE

**INJUN 3 SATELLITE**  
GS ARTIFICIAL SATELLITES  
INJUN SATELLITES  
INJUN 3 SATELLITE

**INJUN 4 SATELLITE**  
GS ARTIFICIAL SATELLITES  
INJUN SATELLITES  
INJUN 4 SATELLITE

**INJUN 5 SATELLITE**  
USE EXPLORER 40 SATELLITE

**INJURIES**  
GS **INJURIES**  
BACK INJURIES  
BAROTRAUMA  
BRAIN DAMAGE  
BURNS (INJURIES)  
CRASH INJURIES  
EJECTION INJURIES

**INJURIES-(CONT.)**  
FROSTBITE  
LESIONS  
PULMONARY LESIONS  
NOISE INJURIES  
PARACHUTING INJURY  
PARALYSIS  
RADIATION INJURIES  
WHIPLASH INJURIES  
RT ACCIDENTS  
∞ BLISTERS  
CHEMICAL DEFENSE  
DAMAGE  
DEATH  
DIAGNOSIS  
FOREIGN BODIES  
HAZARDS  
HEMORRHAGES  
IMPAIRMENT  
SABOTAGE  
VETERINARY MEDICINE  
WOUND HEALING

**INKS**  
RT DRAWINGS  
GRAPHIC ARTS  
PIGMENTS  
PRINTING

**INLAND WATERS**  
GS WATER  
INLAND WATERS  
GROUND WATER  
RT GREAT LAKES (NORTH AMERICA)  
GREAT SALT LAKE (UT)  
LAKES  
RIVERS  
SPRINGS (WATER)  
WATER POLLUTION  
WATER RESOURCES  
WATER RUNOFF

**INLET AIRFRAME CONFIGURATIONS**  
GS INTAKE SYSTEMS  
AIR INTAKES  
INLET AIRFRAME CONFIGURATIONS  
RT BYPASS RATIO  
ENGINE INLETS  
FLOW GEOMETRY  
HYPERSONIC INLETS  
INLET FLOW  
INLET NOZZLES  
NOSE INLETS  
SIDE INLETS  
SUPERSONIC INLETS

**INLET FLOW**  
GS FLUID FLOW  
INLET FLOW  
RT BYPASS RATIO  
∞ DIFFUSERS  
DUMP COMBUSTORS  
FLOW GEOMETRY  
FLUID INJECTION  
HEAD FLOW  
INLET AIRFRAME CONFIGURATIONS  
INTAKE SYSTEMS  
∞ PRESSURE DROP  
SUPERSONIC INLETS  
VORTEX GENERATORS

**INLET NOZZLES**  
RT AIR INTAKES  
ANNULAR NOZZLES  
BYPASS RATIO  
CONICAL NOZZLES  
∞ DIFFUSERS  
ENGINE INLETS  
EXHAUST NOZZLES  
INLET AIRFRAME CONFIGURATIONS  
INTAKE SYSTEMS  
INTERNAL COMPRESSION INLETS  
∞ NOZZLES  
OPENINGS  
PIPE NOZZLES

**INLET PRESSURE**  
GS PRESSURE  
INLET PRESSURE  
RT PRESSURE GRADIENTS  
PRESSURE RECOVERY  
STAGNATION PRESSURE  
WATER PRESSURE



## INLET TEMPERATURE

### INLET TEMPERATURE

GS TEMPERATURE  
  . INLET TEMPERATURE  
RT AIR INTAKES  
  ENGINE INLETS  
  FUEL SYSTEMS  
  GAS TEMPERATURE  
  INTAKE SYSTEMS

### INLETS (DEVICES)

USE INTAKE SYSTEMS

### INLETS (TOPOGRAPHY)

GS LANDFORMS  
  . INLETS (TOPOGRAPHY)  
    . . BAYOUS  
    . . COOK INLET (AK)  
RT BAYS (TOPOGRAPHIC FEATURES)  
  DELAWARE BAY (US)  
  FIORDS  
  GULFS  
  LAGOONS  
  PERSIAN GULF  
  SAGINAW BAY (MI)  
  SOUNDS (TOPOGRAPHIC FEATURES)

### INLIERS (LANDFORMS)

GS LANDFORMS  
  . INLIERS (LANDFORMS)  
RT EROSION  
  GEOLOGICAL FAULTS  
  GEOLOGY  
  PETROGRAPHY  
  PETROLOGY  
  ROCK INTRUSIONS  
  ROCKS  
  STRUCTURAL PROPERTIES (GEOLOGY)

### INNER RADIATION BELT

GS ENVIRONMENTS  
  . INNER RADIATION BELT  
  PARTICLES  
    . CHARGED PARTICLES  
    . . MAGNETICALLY TRAPPED PARTICLES  
    . . RADIATION BELTS  
    . . . INNER RADIATION BELT  
    . . . TRAPPED PARTICLES  
    . . . MAGNETICALLY TRAPPED PARTICLES  
    . . . RADIATION BELTS  
    . . . . INNER RADIATION BELT  
RT ARTIFICIAL RADIATION BELTS  
  OUTER RADIATION BELT  
  PROTON BELTS  
  . . RADIATION  
  . . . SINGLE EVENT UPSETS

### INOCULATION

UF SEEDING (INOCULATION)  
RT CRYSTAL GROWTH  
  CRYSTALLIZATION  
  IMMUNITY  
  INITIATION  
  NUCLEATION  
  VACCINES

### INOCULUM

GS SERUMS  
  . INOCULUM  
  VACCINES  
  . INOCULUM  
RT ANTIBODIES  
  ANTIGENS  
  PHYSIOLOGICAL DEFENSES

### INORGANIC CHEMISTRY

RT ANALYTICAL CHEMISTRY  
  . . CHEMISTRY

### INORGANIC COATINGS

GS COATINGS  
  . INORGANIC COATINGS  
    . . ANODIC COATINGS  
    . . CERAMIC COATINGS  
RT ANTIRADAR COATINGS  
  PROTECTIVE COATINGS

### INORGANIC COMPOUNDS

GS INORGANIC COMPOUNDS  
  . AMMONIA  
  . . LIQUID AMMONIA  
RT ACIDS  
  . . BASES  
  . . . CHEMICAL COMPOUNDS  
  . . . FLAME RETARDANTS

### INORGANIC COMPOUNDS-(CONT.)

INTERMETALLICS  
MOLTEN SALTS  
  . . SALTS

### INORGANIC MATERIALS

SN (USE OF A MORE SPECIFIC TERM IS  
  RECOMMENDED CONSULT THE TERMS  
  LISTED BELOW)  
RT . . MATERIALS  
  NONFLAMMABLE MATERIALS  
  REFRACTORY MATERIALS  
  THERMOCHROMATIC MATERIALS  
  VITREOUS MATERIALS

### INORGANIC NITRATES

GS NITROGEN COMPOUNDS  
  . NITRATES  
  . . INORGANIC NITRATES  
    . . . AMMONIUM NITRATES  
    . . . HYDRAZINE NITRATE  
    . . . POTASSIUM NITRATES  
    . . . SILVER NITRATES  
    . . . SODIUM NITRATES

### INORGANIC PEROXIDES

UF SUPEROXIDES  
GS CHALCOGENIDES  
  . OXIDES  
  . . ANHYDRIDES  
  . . . PEROXIDES  
  . . . . INORGANIC PEROXIDES  
RT ORGANIC PEROXIDES

### INORGANIC SULFIDES

GS CHALCOGENIDES  
  . SULFIDES  
  . . INORGANIC SULFIDES  
    . . . BARIUM SULFIDES  
    . . . BISMUTH SULFIDES  
    . . . CADMIUM SULFIDES  
    . . . CALCIUM SULFIDES  
    . . . COPPER SULFIDES  
    . . . ENARGITE  
    . . . HYDROGEN SULFIDE  
    . . . INDIUM SULFIDES  
    . . . LEAD SULFIDES  
    . . . MOLYBDENUM SULFIDES  
    . . . MOLYBDENUM DISULFIDES  
    . . . POLYSULFIDES  
    . . . STRONTIUM SULFIDES  
    . . . ZINC SULFIDES  
    . . . WURTZITE  
    . . . ZINCBLLENDE  
SULFUR COMPOUNDS  
  . SULFIDES  
  . . INORGANIC SULFIDES  
    . . . BARIUM SULFIDES  
    . . . BISMUTH SULFIDES  
    . . . CADMIUM SULFIDES  
    . . . CALCIUM SULFIDES  
    . . . COPPER SULFIDES  
    . . . ENARGITE  
    . . . HYDROGEN SULFIDE  
    . . . INDIUM SULFIDES  
    . . . LEAD SULFIDES  
    . . . MOLYBDENUM SULFIDES  
    . . . MOLYBDENUM DISULFIDES  
    . . . POLYSULFIDES  
    . . . STRONTIUM SULFIDES  
    . . . ZINC SULFIDES  
    . . . WURTZITE  
    . . . ZINCBLLENDE

### INOSITOLS

GS ORGANIC COMPOUNDS  
  . CARBOHYDRATES  
  . . SUGARS  
  . . . INOSITOLS

### INPUT

RT ACCUMULATIONS  
  COLLECTION  
  FEEDING (SUPPLYING)  
  FILLING  
  INJECTION  
  . . LOADING  
  . . . OUTPUT  
  . . . READING  
  . . . REPLENISHMENT  
  . . . SUPPLYING

### INPUT/OUTPUT ROUTINES

GS COMPUTER PROGRAMS  
  . . COMPUTER SYSTEMS PROGRAMS

### INPUT/OUTPUT ROUTINES-(CONT.)

  . . INPUT/OUTPUT ROUTINES  
RT OPERATING SYSTEMS (COMPUTERS)  
  RANDOM ACCESS  
  . . ROUTINES

### INSAT SATELLITES

USE INDIAN SPACECRAFT

### INSECT DAMAGE

USE INFESTATION

### INSECTICIDES

GS POISONS  
  . PESTICIDES  
  . . INSECTICIDES  
    . . . DIELDRIN  
RT ENDRIN  
  ENTOMOLOGY  
  TOXICOLOGY

### INSECTS

GS ANIMALS  
  . INVERTEBRATES  
  . . ARTHROPODS  
  . . . INSECTS  
    . . . BEES  
    . . . BOLLWORMS  
    . . . CHIRONOMUS FLIES  
    . . . COCKROACHES  
    . . . COLEOPTERA  
    . . . BEETLES  
    . . . TRIBOLIA  
    . . . BOLL WEEVILS  
    . . . CRICKETS  
    . . . DROSOPHILA  
    . . . FIREFLIES  
    . . . GRASSHOPPERS  
    . . . LOCUSTS  
    . . . MOTHS  
    . . . SILKWORMS  
RT ENTOMOLOGY  
  INFESTATION  
  LARVAE  
  PUPA

### INSENSITIVITY

USE SENSITIVITY

### INSERTION

RT COLLATING  
  EMBEDDING  
  GRAFTING  
  IMPLANTATION  
  IMPREGNATING  
  INSERTS  
  NETWORK ANALYSIS  
  TRANSMISSION LOSS

### INSERTION LOSS

RT ENERGY DISSIPATION  
  LOSSES  
  TRANSMISSION LOSS

### INSERTS

GS INSERTS  
  . NOZZLE INSERTS  
RT ACCESSORIES  
  BUSHINGS  
  FASTENERS  
  FITTINGS  
  INSERTION  
  LININGS  
  SPACERS  
  SPOOLS  
  WASHERS (SPACERS)

### INSHORE ZONES

USE BEACHES

### INSOLATION

RT GREENHOUSE EFFECT  
  METEOROLOGY  
  SOLAR HEATING  
  SOLAR RADIATION  
  SUNLIGHT

### INSOMNIA

GS SLEEP  
  . . INSOMNIA  
RT SLEEP DEPRIVATION

### INSPECTION

GS INSPECTION

## INSTRUMENTS

### INSPECTION-(CONT.)

RT . INFRARED INSPECTION  
 . X RAY INSPECTION  
 ACCEPTABILITY  
 CHECKOUT  
 CHEMICAL TESTS  
 CONSTRUCTION  
 DETECTION  
 ENDOSCOPES  
 EVALUATION  
 EXAMINATION  
 IDENTIFYING  
 NONDESTRUCTIVE TESTS  
 PERFORMANCE TESTS  
 QUALITY CONTROL  
 SAMPLING  
 SPECIFICATIONS  
 STANDARDS  
 STATIC TESTS  
 STATISTICAL ANALYSIS  
 SURVEILLANCE  
 TOLERANCES (MECHANICS)  
 ULTRASONIC FLAW DETECTION

### INSPECTOR SATELLITE

GS ARTIFICIAL SATELLITES  
 . INSPECTOR SATELLITE  
 MILITARY SPACECRAFT  
 . RECONNAISSANCE SPACECRAFT  
 . INSPECTOR SATELLITE

### INSPIRATION

RT INTELLECT  
 MENTAL PERFORMANCE  
 PSYCHOLOGY

### INSTABILITY

USE STABILITY

### INSTALLATION

USE INSTALLING

### INSTALLATION MANUALS

GS DOCUMENTS  
 . MANUALS  
 . . INSTALLATION MANUALS

### INSTALLING

UF INSTALLATION  
 RT ASSEMBLING  
 CONSTRUCTION  
 LOOK ANGLES (ELECTRONICS)  
 MAINTENANCE  
 RELOCATION  
 REPLACING  
 RETROFITTING

### INSTANTONS

GS FIELD THEORY (PHYSICS)  
 . QUANTUM CHROMODYNAMICS  
 . . INSTANTONS  
 RT ELEMENTARY PARTICLES  
 PLASMA PHYSICS  
 QUARKS

### INSTITUTIONS

GS INSTITUTIONS  
 . BUREAUS (ORGANIZATIONS)  
 RT FEDERATIONS  
 TEAMS

### INSTRUCTION SETS (COMPUTERS)

RT ALPHANUMERIC CHARACTERS  
 BOOLEAN ALGEBRA  
 COMPUTER PROGRAMS  
 MATHEMATICAL LOGIC

### INSTRUCTIONS

USE EDUCATION

### INSTRUCTORS

GS PERSONNEL  
 . INSTRUCTORS  
 RT EDUCATION  
 LEARNING  
 SCHOOLS  
 STUDENTS  
 TRAINING EVALUATION  
 UNIVERSITIES

### INSTRUMENT APPROACH

GS APPROACH  
 . INSTRUMENT APPROACH  
 RT AIRCRAFT APPROACH SPACING

### INSTRUMENT APPROACH-(CONT.)

AIRCRAFT INSTRUMENTS  
 APPROACH CONTROL  
 APPROACH INDICATORS  
 BLIND LANDING  
 FLIGHT CONTROL  
 FLIGHT INSTRUMENTS  
 GLIDE PATHS  
 LANDING AIDS  
 LANDING RADAR  
 NIGHT FLIGHTS (AIRCRAFT)

### INSTRUMENT COMPENSATION

GS INSTRUMENT COMPENSATION  
 . TEMPERATURE COMPENSATION  
 RT ADAPTIVE OPTICS  
 CALIBRATING  
 ∞ COMPENSATION  
 ERROR CORRECTING DEVICES

### INSTRUMENT DRIFT

USE DRIFT (INSTRUMENTATION)

### INSTRUMENT ERRORS

GS ERRORS  
 . INSTRUMENT ERRORS  
 RT BIAS  
 BORESIGHT ERROR  
 CALIBRATING  
 DRIFT (INSTRUMENTATION)  
 LINEARITY  
 OPTICAL CORRECTION PROCEDURE  
 SPECTRAL SENSITIVITY

### INSTRUMENT FLIGHT RULES

UF IFR (RULES)  
 GS RULES  
 . FLIGHT RULES  
 . . INSTRUMENT FLIGHT RULES  
 RT AIR NAVIGATION  
 AIR TRAFFIC CONTROL  
 APPROACH CONTROL  
 BEACONS  
 BLIND LANDING  
 FLIGHT CONDITIONS  
 FLIGHT INSTRUMENTS  
 FLIGHT PLANS  
 LANDING  
 LOW VISIBILITY

### INSTRUMENT LANDING SYSTEMS

UF ILS (LANDING SYSTEMS)  
 GS LANDING AIDS  
 . INSTRUMENT LANDING SYSTEMS  
 . . ALL-WEATHER LANDING SYSTEMS  
 . . . AUTOMATIC LANDING CONTROL  
 RT AIR TRAFFIC CONTROL  
 AIRCRAFT GUIDANCE  
 AIRCRAFT INSTRUMENTS  
 AIRCRAFT LANDING  
 AIRPORTS  
 APPROACH CONTROL  
 APPROACH INDICATORS  
 BLIND LANDING  
 DISPLAY DEVICES  
 FLIGHT CONTROL  
 FLIGHT INSTRUMENTS  
 GLIDE PATHS  
 GROUND BASED CONTROL  
 ∞ INSTRUMENTS  
 LANDING  
 LANDING INSTRUMENTS  
 NIGHT FLIGHTS (AIRCRAFT)  
 RADAR  
 RADAR APPROACH CONTROL  
 RADIO ALTIMETERS  
 RADIO BEACONS  
 ∞ SYSTEMS  
 TRACKING (POSITION)

### INSTRUMENT ORIENTATION

RT ALIGNMENT  
 ATTITUDE (INCLINATION)  
 BEARING (DIRECTION)  
 DIRECTIVITY  
 LOOK ANGLES (ELECTRONICS)  
 ∞ ORIENTATION  
 POSITIONING

### INSTRUMENT PACKAGES

GS PACKAGES  
 . INSTRUMENT PACKAGES  
 . . APOLLO LUNAR SURFACE  
 . . . EXPERIMENTS PACKAGE  
 . . EASEP

### INSTRUMENT PACKAGES-(CONT.)

. . EREP  
 RT AMPS (SATELLITE PAYLOAD)  
 AUTOMATIC WEATHER STATIONS  
 DATA COLLECTION PLATFORMS  
 LOCAL SCIENTIFIC SURVEY MODULE  
 MODULES  
 MOLECULAR SHIELDS  
 OCEAN DATA ACQUISITIONS SYSTEMS  
 ORBITING FROG OTOLITH  
 PAYLOAD ASSIST MODULE  
 PAYLOADS  
 SATELLITE-BORNE INSTRUMENTS  
 SIM  
 SPACECRAFT INSTRUMENTS  
 WEATHER STATIONS

### INSTRUMENT RECEIVERS

RT CONTROLLERS  
 ∞ DETECTORS  
 DISPLAY DEVICES  
 INDICATING INSTRUMENTS  
 ∞ INSTRUMENTS  
 ISOTROPIC TURBULENCE  
 MEASURING INSTRUMENTS  
 RECEIVERS  
 RECORDING INSTRUMENTS  
 TRANSDUCERS

### INSTRUMENT TRANSFORMERS

GS TRANSFORMERS  
 . INSTRUMENT TRANSFORMERS  
 RT ∞ CONVERTERS  
 RESOLVERS

### INSTRUMENT TRANSMITTERS

GS TRANSMITTERS  
 . INSTRUMENT TRANSMITTERS  
 RT CONTROLLERS  
 ∞ INSTRUMENTS  
 MEASURING INSTRUMENTS  
 RECORDING INSTRUMENTS  
 TRANSDUCERS

### INSTRUMENTAL ANALYSIS

USE ANALYZING  
 AUTOMATION

### INSTRUMENTATION

USE INSTRUMENTS

### ∞ INSTRUMENTS

SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED-CONSULT THE TERMS  
 LISTED BELOW)  
 UF INSTRUMENTATION  
 RT ACTUATORS  
 ADVANCED RANGE INSTRUMENTATION  
 SHIP  
 AIRCRAFT INSTRUMENTS  
 APOLLO LUNAR SURFACE EXPERIMENTS  
 PACKAGE  
 AUTOMATIC CONTROL  
 BIOINSTRUMENTATION  
 BUBBLE TECHNIQUE  
 CONTROLLERS  
 DENSIMETERS  
 DISPLAY DEVICES  
 DRAG FORCE ANEMOMETERS  
 EASEP  
 EREP  
 FLIGHT INSTRUMENTS  
 FORCE VECTOR RECORDERS  
 HAPLOSOPES  
 HELIOSTATS  
 HELMET MOUNTED DISPLAYS  
 INDICATING INSTRUMENTS  
 INSTRUMENT LANDING SYSTEMS  
 INSTRUMENT RECEIVERS  
 INSTRUMENT TRANSMITTERS  
 LASER ALTIMETERS  
 MEASURING INSTRUMENTS  
 METEOROLOGICAL INSTRUMENTS  
 MICROWAVE SENSORS  
 MONITORS  
 NAVIGATION INSTRUMENTS  
 OCULOMETERS  
 PACKAGES  
 PROPELLANT ACTUATED INSTRUMENTS  
 RECORDING INSTRUMENTS  
 REMOTE CONTROL  
 ROCKET-BORNE INSTRUMENTS  
 SATELLITE INSTRUMENTS  
 SATELLITE-BORNE INSTRUMENTS  
 SCATTEROMETERS

## INSULATED STRUCTURES

### INSTRUMENTS-(CONT.)

SIM  
SODAR  
SOUND DETECTING AND RANGING  
SPACECRAFT INSTRUMENTS  
SURGICAL INSTRUMENTS  
TRANSDUCERS  
TRANSMITTERS  
TURBINE INSTRUMENTS  
ULTRASONIC DENSIMETERS

### ∞ INSULATED STRUCTURES

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED-CONSULT THE TERMS  
LISTED BELOW)*  
RT DIELECTRICS  
ELECTRICAL INSULATION  
HEAT RADIATORS  
HEAT SHIELDING  
HYPERSONIC VEHICLES  
INSULATION  
RADIATION SHIELDING  
REENTRY SHIELDING  
REENTRY VEHICLES  
SPACECRAFT SHIELDING

### INSULATING MATERIALS

USE INSULATION

### INSULATION

SN (MATERIAL)  
UF INSULATING MATERIALS  
GS **INSULATION**  
. ELECTRICAL INSULATION  
. MULTILAYER INSULATION  
. THERMAL INSULATION  
RT ABSORBERS (MATERIALS)  
ASBESTOS  
CEILINGS (ARCHITECTURE)  
COMPOSITE MATERIALS  
CONCRETES  
∞ CONSTRUCTION MATERIALS  
DAMPING  
HONEYCOMB STRUCTURES  
∞ INSULATED STRUCTURES  
INSULATORS  
INTERLAYERS  
ISOLATION  
ISOLATORS  
JACKETS  
LINING PROCESSES  
LININGS  
∞ MATERIALS  
MICARTA  
OXIDES  
POTTING COMPOUNDS  
PROTECTION  
SUPPRESSORS  
VERMICULITE  
WATERPROOFING

### INSULATORS

SN (EXCLUDES THERMAL  
INSULATION-LIMITED TO DEVICES  
COMPOSED OF ELECTRICALLY  
INSULATIVE MATERIALS)  
RT ATTENUATORS  
DIELECTRICS  
ELECTRIC CONDUCTORS  
ELECTRICAL INSULATION  
INSULATION  
TRANSMISSION LINES

### INSULIN

GS DRUGS  
. **INSULIN**  
SECRETIONS  
. ENDOCRINE SECRETIONS  
. **INSULIN**  
RT DIABETES MELLITUS

### INSURANCE (CONTRACTS)

GS CONTRACTS  
. **INSURANCE (CONTRACTS)**  
RT AGREEMENTS  
AIR LAW  
AIRCRAFT ACCIDENT INVESTIGATION  
AIRCRAFT ACCIDENTS  
ASSURANCE  
ECONOMIC FACTORS  
EXTENSIONS  
GRANTS  
LEGAL LIABILITY  
PUBLIC LAW  
SPACE COMMERCIALIZATION

### INSURANCE (CONTRACTS)-(CONT.)

SPACE LAW

### INTAKE SYSTEMS

UF INDUCTION SYSTEMS  
INLETS (DEVICES)  
GS **INTAKE SYSTEMS**  
. AIR INTAKES  
. ENGINE INLETS  
. HYPERSONIC INLETS  
. INLET AIRFRAME CONFIGURATIONS  
. SUPERSONIC INLETS  
. CONICAL INLETS  
. HELICAL INDUCERS  
. INTERNAL COMPRESSION INLETS  
. NOSE INLETS  
. SIDE INLETS  
RT AERODYNAMIC CONFIGURATIONS  
ANNULAR DUCTS  
BYPASS RATIO  
COOLING SYSTEMS  
DUCT GEOMETRY  
DUCTED BODIES  
DUCTS  
ENTRANCES  
EXHAUST SYSTEMS  
FEED SYSTEMS  
FEEDERS  
FUEL SYSTEMS  
INLET FLOW  
INLET NOZZLES  
INLET TEMPERATURE  
MANIFOLDS  
OPENINGS  
PIPE NOZZLES  
PLENUM CHAMBERS  
RAMPS (STRUCTURES)  
SCOOPS  
∞ SYSTEMS  
∞ WATER INTAKES

### INTASAT SATELLITE

GS ARTIFICIAL SATELLITES  
. SCIENTIFIC SATELLITES  
. ENVIRONMENTAL RESEARCH  
SATELLITES  
RT **INTASAT SATELLITE**  
EARTH IONOSPHERE  
LOWER ATMOSPHERE  
MAGNETIC FIELDS  
TROPOSPHERE

### INTEG MED AND BEHAVIORAL LAB MEASUR SYSTEM

USE IMBLMS

### INTEG PROGRAM FOR AEROSPACE VEH DESIGN

USE IPAD

### INTEGERS

GS NUMBER THEORY  
. **INTEGERS**  
REAL NUMBERS  
RT **INTEGERS**  
ARITHMETIC  
COMPLEX NUMBERS  
CONGRUENCES  
DIGITS  
∞ NUMBERS

### INTEGRAL CALCULUS

GS ANALYSIS (MATHEMATICS)  
. CALCULUS  
. **INTEGRAL CALCULUS**  
. REAL VARIABLES  
. MEASURE AND INTEGRATION  
. **INTEGRAL CALCULUS**  
RT AREA  
DIFFERENTIAL CALCULUS  
INTEGRALS  
J INTEGRAL  
NUMERICAL INTEGRATION  
OPERATIONAL CALCULUS

### INTEGRAL EQUATIONS

UF INTEGRODIFFERENTIAL EQUATIONS  
GS ANALYSIS (MATHEMATICS)  
. FUNCTIONAL ANALYSIS  
. **INTEGRAL EQUATIONS**  
. FREDHOLM EQUATIONS  
. J INTEGRAL  
. SINGULAR INTEGRAL EQUATIONS  
. VOLTERRA EQUATIONS  
. WIENER HOPF EQUATIONS  
RT ASYMPTOTIC PROPERTIES

### INTEGRAL EQUATIONS-(CONT.)

CALCULUS OF VARIATIONS  
DIFFERENTIAL EQUATIONS  
DISTRIBUTED PARAMETER SYSTEMS  
∞ EQUATIONS  
MELLIN TRANSFORMS  
METHOD OF MOMENTS  
NONLINEAR EQUATIONS  
PERCUS METHOD  
RANGE (EXTREMES)  
SCHMIDT METHOD  
TRANSPORT THEORY

### INTEGRAL FUNCTIONS

USE ENTIRE FUNCTIONS

### INTEGRAL ROCKET RAMJETS

GS ENGINES  
. AIR BREATHING ENGINES  
. GAS TURBINE ENGINES  
. JET ENGINES  
. RAMJET ENGINES  
. **INTEGRAL ROCKET RAMJETS**  
. INTERNAL COMBUSTION ENGINES  
. GAS TURBINE ENGINES  
. JET ENGINES  
. RAMJET ENGINES  
. **INTEGRAL ROCKET RAMJETS**  
RT SOLID PROPELLANT ROCKET ENGINES  
TURBINE ENGINES

### INTEGRAL TRANSFORMATIONS

UF TRANSFORM INTEGRALS  
GS ANALYSIS (MATHEMATICS)  
. FUNCTIONAL ANALYSIS  
. **INTEGRAL TRANSFORMATIONS**  
. FOURIER TRANSFORMATION  
. HILBERT TRANSFORMATION  
. LAPLACE TRANSFORMATION  
TRANSFORMATIONS (MATHEMATICS)  
. **INTEGRAL TRANSFORMATIONS**  
. FOURIER TRANSFORMATION  
. FAST FOURIER TRANSFORMATIONS  
. FOURIER-BESSEL TRANSFORMATIONS  
. HILBERT TRANSFORMATION  
. LAPLACE TRANSFORMATION  
RT CONVOLUTION INTEGRALS  
LIGHTHILL METHOD  
OPERATORS (MATHEMATICS)

### INTEGRALS

GS **INTEGRALS**  
. CONVOLUTION INTEGRALS  
RT DIFFERENTIAL EQUATIONS  
FUNCTIONALS  
INTEGRAL CALCULUS  
∞ MATHEMATICS

### INTEGRATED CIRCUITS

UF MONOLITHIC CIRCUITS  
GS CIRCUITS  
. **INTEGRATED CIRCUITS**  
. DTL INTEGRATED CIRCUITS  
. ENCAPSULATED MICROCIRCUITS  
. LARGE SCALE INTEGRATION  
. LINEAR INTEGRATED CIRCUITS  
. MEDIUM SCALE INTEGRATION  
. TTL INTEGRATED CIRCUITS  
. VERY LARGE SCALE INTEGRATION  
. VHSIC (CIRCUITS)  
RT BURN-IN  
CHARGE FLOW DEVICES  
CHIPS (ELECTRONICS)  
CHIPS (MEMORY DEVICES)  
ELECTRONIC PACKAGING  
INTEGRATED OPTICS  
ION IMPLANTATION  
LATCH-UP  
MICROCHANNEL PLATES  
MICROMINIATURIZATION  
MICROPROCESSORS  
MICROSTRIP DEVICES  
MOLECULAR ELECTRONICS  
OPTOELECTRONIC DEVICES  
PHOTOMASKS  
PRINTED CIRCUITS  
THICK FILMS  
THIN FILMS  
TRANSISTOR CIRCUITS

### INTEGRATED ENERGY SYSTEMS

RT COMMUNITIES  
ELECTRIC POWER PLANTS  
ENERGY CONVERSION  
ENERGY DISTRIBUTION

## INTERCONTINENTAL BALLISTIC MISSILES

### INTEGRATED ENERGY SYSTEMS-(CONT.)

HEATING  
∞ SYSTEMS  
TOTAL ENERGY SYSTEMS  
UTILITIES

### INTEGRATED GLOBAL OCEAN STATION SYSTEMS

UF IGOS  
RT DATA COLLECTION PLATFORMS  
GLOBAL ATMOSPHERIC RESEARCH PROGRAM  
GROUND STATIONS  
INTERNATIONAL COOPERATION  
OCEANOGRAPHIC PARAMETERS  
∞ SYSTEMS  
WEATHER STATIONS

### INTEGRATED LIBRARY SYSTEMS

GS INFORMATION SYSTEMS  
INTEGRATED LIBRARY SYSTEMS  
RT INFORMATION DISSEMINATION  
INFORMATION MANAGEMENT  
INFORMATION RETRIEVAL  
LIBRARIES  
ON-LINE SYSTEMS

### INTEGRATED MANEUVERING LIFE SUPPORT SYS USE

IMLSS

### INTEGRATED MISSION CONTROL CENTER

UF IMCC (CONTROL CENTER)  
GS STATIONS  
GROUND STATIONS  
INTEGRATED MISSION CONTROL CENTER  
RT ∞ CONTROL  
GEMINI PROJECT  
GROUND BASED CONTROL  
REAL TIME OPERATION

### INTEGRATED OPTICS

RT ELECTRO-OPTICS  
INTEGRATED CIRCUITS  
LENSES  
LIGHT TRANSMISSION  
MONOMOLECULAR FILMS  
OPTICAL BISTABILITY  
OPTICAL SWITCHING  
OPTICAL WAVEGUIDES  
∞ OPTICS  
OPTOELECTRONIC DEVICES  
THIN FILMS

### INTEGRATION (REAL VARIABLES)

USE MEASURE AND INTEGRATION

### INTEGRATORS

GS INTEGRATORS  
DIGITAL INTEGRATORS  
RT CIRCUITS  
DIFFERENTIATORS  
∞ NETWORKS  
SOLIONS

### INTEGRITY

GS INTEGRITY  
COMPUTER PROGRAM INTEGRITY  
RT COMPLETENESS  
PRIVACY  
SECURITY  
VULNERABILITY

### INTEGRODIFFERENTIAL EQUATIONS

USE DIFFERENTIAL EQUATIONS  
INTEGRAL EQUATIONS

### INTEL 8080 MICROPROCESSOR

GS DATA PROCESSING EQUIPMENT  
MICROPROCESSORS  
INTEL 8080 MICROPROCESSOR  
RT COMPUTERS

### INTELLECT

GS INTELLIGENCE  
INTELLECT  
RT ARTIFICIAL INTELLIGENCE  
INSPIRATION  
MENTAL PERFORMANCE  
PSYCHOLOGY

### INTELLIGENCE

GS INTELLIGENCE  
ARTIFICIAL INTELLIGENCE

### INTELLIGENCE-(CONT.)

EXPERT SYSTEMS  
EXTRATERRESTRIAL INTELLIGENCE  
INTELLECT  
RT COGNITIVE PSYCHOLOGY  
MENTAL HEALTH  
MENTAL PERFORMANCE

### INTELLIGIBILITY

GS INTELLIGIBILITY  
SPEECH RECOGNITION  
RT AMBIGUITY  
COHERENCE  
COMMUNICATION THEORY  
INTERPRETATION  
MESSAGES  
ORTHOGRAPHY  
PHONEMICS  
PHONETICS  
PSYCHOLINGUISTICS  
SCRAMBLING (COMMUNICATION)

### INTELSAT SATELLITES

GS ARTIFICIAL SATELLITES  
COMMUNICATION SATELLITES  
INTELSAT SATELLITES

### INTENSIFICATION

USE AMPLIFICATION

### INTENSIFIER TUBES

USE IMAGE INTENSIFIERS

### INTENSIFIERS

GS INTENSIFIERS  
IMAGE INTENSIFIERS  
IMAGE ORTHICONS  
RT AMPLIFIERS

### ∞ INTENSITY

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
RT AMPLITUDES  
BRIGHTNESS  
FLUX (RATE)  
FLUX DENSITY  
LEVEL (QUANTITY)  
LOUDNESS  
LUMINANCE  
LUMINOUS INTENSITY  
MAGNITUDE  
NOISE INTENSITY  
RADIANCE  
STELLAR MAGNITUDE

### INTERACTIONAL AERODYNAMICS

GS FLUID MECHANICS  
FLUID DYNAMICS  
GAS DYNAMICS  
INTERACTIONAL AERODYNAMICS  
RT AIRFOILS  
COMPUTATIONAL FLUID DYNAMICS  
∞ FLOW  
LAMINAR BOUNDARY LAYER

### ∞ INTERACTIONS

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
RT AIR LAND INTERACTIONS  
AIR SEA ICE INTERACTIONS  
AIR WATER INTERACTIONS  
ATOMIC COLLISIONS  
ATOMIC INTERACTIONS  
BEAM INTERACTIONS  
BLADE-VORTEX INTERACTION  
CONFIGURATION INTERACTION  
ELECTROMAGNETIC INTERACTIONS  
ELECTRON PHONON INTERACTIONS  
ELEMENTARY PARTICLE INTERACTIONS  
FLUID-SOLID INTERACTIONS  
GAS-GAS INTERACTIONS  
GAS-ION INTERACTIONS  
GAS-LIQUID INTERACTIONS  
GAS-METAL INTERACTIONS  
GAS-SOLID INTERACTIONS  
HIGH ENERGY INTERACTIONS  
ION ATOM INTERACTIONS  
LASER PLASMA INTERACTIONS  
LASER TARGET INTERACTIONS  
MAN ENVIRONMENT INTERACTIONS  
MESON-MESON INTERACTIONS  
MESON-NUCLEON INTERACTIONS  
MOLECULAR COLLISIONS

### INTERACTIONS-(CONT.)

MOLECULAR INTERACTIONS  
NUCLEAR CAPTURE  
NUCLEAR INTERACTIONS  
NUCLEAR REACTIONS  
NUCLEON-NUCLEON INTERACTIONS  
PARTICLE INTERACTIONS  
PARTICLE THEORY  
PHOTON-ELECTRON INTERACTION  
PLASMA INTERACTION EXPERIMENT  
PLASMA INTERACTIONS  
PLASMA-ELECTROMAGNETIC INTERACTION  
PLASMA-PARTICLE INTERACTIONS  
PROTON-PROTON REACTIONS  
SHOCK WAVE INTERACTION  
SOLAR TERRESTRIAL INTERACTIONS  
SOUND-SOUND INTERACTIONS  
SPIN-ORBIT INTERACTIONS  
STRONG INTERACTIONS (FIELD THEORY)  
WAVE INTERACTION  
WEAK ENERGY INTERACTIONS  
WEAK INTERACTIONS (FIELD THEORY)

### INTERACTIVE CONTROL

RT ACTIVE CONTROL  
∞ CONTROL  
CONTROL THEORY  
NUMERICAL CONTROL

### INTERACTIVE GRAPHICS

USE COMPUTER GRAPHICS

### INTERATOMIC FORCES

RT ATOMIC STRUCTURE  
VAN DER WAAL FORCES

### INTERCALATION

GS STRATIFICATION  
INTERCALATION  
RT ∞ CHEMICAL COMPOUNDS  
GRAPHITE  
INTERLAYERS  
∞ LAYERS

### INTERCEPTION

RT RENDEZVOUS  
SPACECRAFT DOCKING

### INTERCEPTOR AIRCRAFT

USE FIGHTER AIRCRAFT

### ∞ INTERCEPTORS

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
RT FIGHTER AIRCRAFT  
SATELLITE INTERCEPTORS  
YF-12 AIRCRAFT

### INTERCONNECTION

USE JOINING

### INTERCONTINENTAL BALLISTIC MISSILES

UF ICBM (MISSILES)  
GS MISSILES  
BALLISTIC MISSILES  
INTERCONTINENTAL BALLISTIC MISSILES  
ATLAS ICBM  
ATLAS D ICBM  
ATLAS E ICBM  
ATLAS F ICBM  
MINUTEMAN ICBM  
TITAN ICBM  
TITAN 1 ICBM  
TITAN 2 ICBM  
SURFACE TO SURFACE MISSILES  
INTERCONTINENTAL BALLISTIC MISSILES  
ATLAS ICBM  
ATLAS D ICBM  
ATLAS E ICBM  
ATLAS F ICBM  
MINUTEMAN ICBM  
MX MISSILE  
TITAN ICBM  
TITAN 1 ICBM  
TITAN 2 ICBM  
FLEET BALLISTIC MISSILES  
INTERMEDIATE RANGE BALLISTIC MISSILES  
MARK 1 REENTRY BODY

## INTERCOSMOS SATELLITES

### INTERCONTINENTAL BALLISTIC-(CONT.)

MARK 2 REENTRY BODY  
MARK 3 REENTRY BODY  
MARK 4 REENTRY BODY  
MARK 5 REENTRY BODY  
MARK 6 REENTRY BODY  
MARK 11 REENTRY BODY  
MARK 12 REENTRY BODY  
MARK 17 REENTRY BODY  
TRANSOCEANIC SYSTEMS

### INTERCOSMOS SATELLITES

GS ARTIFICIAL SATELLITES  
  . GEOPHYSICAL SATELLITES  
  . COSMOS SATELLITES  
  . . . INTERCOSMOS SATELLITES  
  . SOVIET SATELLITES  
  . COSMOS SATELLITES  
  . . . INTERCOSMOS SATELLITES

### INTERCRANIAL CIRCULATION

GS CIRCULATION  
  . BLOOD CIRCULATION  
  . . INTERCRANIAL CIRCULATION  
RT CRANIUM  
SKULL

### INTERDIGITAL TRANSDUCERS

GS TRANSDUCERS  
  . INTERDIGITAL TRANSDUCERS  
RT DIGITAL TRANSDUCERS  
ELECTROACOUSTIC TRANSDUCERS  
PIEZOELECTRIC TRANSDUCERS  
SURFACE ACOUSTIC WAVE DEVICES

### INTERFACE STABILITY

RT FLUID BOUNDARIES  
GAS-SOLID INTERFACES  
INTERFACES  
LIQUID SLOSHING  
LIQUID-LIQUID INTERFACES  
LIQUID-SOLID INTERFACES  
LIQUID-VAPOR INTERFACES  
TAYLOR INSTABILITY  
ULLAGE

### INTERFACES

GS INTERFACES  
  . FLUID BOUNDARIES  
  . . GAS-SOLID INTERFACES  
  . . . JET BOUNDARIES  
  . . . LIQUID-LIQUID INTERFACES  
  . . . LIQUID-SOLID INTERFACES  
  . . . LIQUID-VAPOR INTERFACES  
  . . . SOLID-SOLID INTERFACES  
RT BOUNDARIES  
COORDINATION  
DATA PROCESSING EQUIPMENT  
FREE BOUNDARIES  
INTERFACE STABILITY  
MANAGEMENT PLANNING  
PROJECT MANAGEMENT  
SURFACE PROPERTIES  
SURFACE REACTIONS  
∞ SURFACES  
TELECOMMUNICATION

### INTERFACIAL ENERGY

RT ADHESION  
ELECTRON ENERGY  
∞ ENERGY  
LIQUID-LIQUID INTERFACES  
SHEAR STRENGTH  
SURFACE ENERGY

### INTERFACIAL STRAIN

USE INTERFACIAL TENSION

### INTERFACIAL TENSION

UF INTERFACIAL STRAIN  
SURFACE TENSION  
GS SURFACE PROPERTIES  
  . INTERFACIAL TENSION  
RT CAPILLARY WAVES  
GAS-LIQUID INTERACTIONS  
GIBBS ADSORPTION EQUATION  
GLOBULES  
LIQUID SURFACES  
LIQUID-LIQUID INTERFACES  
MARANGONI CONVECTION  
MECHANICAL PROPERTIES  
RIPPLES  
SLIDING  
SPREADING  
SURFACE ENERGY

### INTERFACIAL TENSION-(CONT.)

SURFACE STABILITY  
∞ SURFACES  
TENSILE STRESS  
∞ TENSION  
TRIBOLOGY  
VAPOR PRESSURE  
WETTING

### ∞ INTERFERENCE

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT AERODYNAMIC INTERFERENCE  
COHERENCE COEFFICIENT  
CROSSTALK  
DISRUPTING  
ELECTROMAGNETIC COMPATIBILITY  
ELECTROMAGNETIC INTERFERENCE  
HUM  
INCOMPATIBILITY  
INTERFERENCE FACTOR TABLE  
INTERFERENCE GRATING  
INTERSYMBOLIC INTERFERENCE  
JAMMING  
NONSYNCHRONIZATION  
RADIO FREQUENCY INTERFERENCE  
RAMSAUER EFFECT  
SUPPORT INTERFERENCE  
WAVE DIFFRACTION  
WAVE FRONT DEFORMATION

### INTERFERENCE DRAG

GS AERODYNAMIC CHARACTERISTICS  
  . INTERFERENCE DRAG  
  DYNAMIC CHARACTERISTICS  
  . DRAG  
  . . PRESSURE DRAG  
  . . . WAVE DRAG  
  . . . . INTERFERENCE DRAG  
RT PROPELLER SLIPSTREAMS  
SUPERSONIC DRAG  
UPWASH

### INTERFERENCE FACTOR TABLE

GS TABLES (DATA)  
  . INTERFERENCE FACTOR TABLE  
RT ∞ INTERFERENCE  
MODULATION  
MULTICHANNEL COMMUNICATION

### INTERFERENCE FIT

GS JOINTS (JUNCTIONS)  
  . INTERFERENCE FIT  
RT AIRCRAFT STRUCTURES  
FASTENERS  
FATIGUE LIFE  
FITTING  
MECHANICAL PROPERTIES  
STRESS ANALYSIS

### INTERFERENCE GRATING

RT FRINGE MULTIPLICATION  
∞ GRATINGS  
∞ INTERFERENCE  
MOIRE EFFECTS  
MOIRE FRINGES  
RADIO FILTERS  
RADIO FREQUENCY INTERFERENCE

### INTERFERENCE IMMUNITY

RT ELECTROMAGNETIC INTERFERENCE  
NOISE REDUCTION  
RADIO FREQUENCY INTERFERENCE  
SIGNAL PROCESSING  
SIGNAL TO NOISE RATIOS

### INTERFERENCE LIFT

GS AERODYNAMIC CHARACTERISTICS  
  . LIFT  
  . . INTERFERENCE LIFT  
  AERODYNAMIC FORCES  
  . LIFT  
  . . INTERFERENCE LIFT  
  DISTRIBUTION (PROPERTY)  
  . INTERFERENCE LIFT  
  DYNAMIC CHARACTERISTICS  
  . LIFT  
  . . INTERFERENCE LIFT  
RT UPWASH

### INTERFERENCE MONOCHROMATIZATION

USE DIFFRACTION  
MONOCHROMATIZATION

### INTERFEROGRAMS

USE INTERFEROMETRY

### INTERFEROMETERS

GS MEASURING INSTRUMENTS  
  . INTERFEROMETERS  
  . . ETALONS  
  . . . FABRY-PEROT INTERFEROMETERS  
  . . . INFRARED INTERFEROMETERS  
  . . . MACH-ZEHNDER INTERFEROMETERS  
  . . . MICHELSON INTERFEROMETERS  
  . . . MICROWAVE INTERFEROMETERS  
  . . . PHASE SWITCHING  
  . . . INTERFEROMETERS  
RT RADIO INTERFEROMETERS  
DIFFRACTOMETERS  
FLATNESS  
GONIOMETERS  
OPTICAL EQUIPMENT  
OPTICAL MEASUREMENT  
OPTICAL MEASURING INSTRUMENTS  
PHOTOGRAMMETERS  
RONCHI TEST  
SAGNAC EFFECT  
VERY LONG BASE INTERFEROMETRY

### INTERFEROMETRY

UF INTERFEROGRAMS  
GS INTERFEROMETRY  
  . DIFFERENTIAL INTERFEROMETRY  
  . HOLOGRAPHIC INTERFEROMETRY  
  . LASER INTERFEROMETRY  
  . MOIRE INTERFEROMETRY  
  . RONCHI TEST  
  . SPECKLE INTERFEROMETRY  
  . . VERY LONG BASE INTERFEROMETRY  
RT DIFFRACTION PATTERNS  
FRESNEL DIFFRACTION  
FRESNEL REFLECTORS  
INFRARED INTERFEROMETERS  
ISOCROMATICS  
NULL ZONES  
PLASMA FLUX MEASUREMENT  
SAGNAC EFFECT  
SCATTER PLATES (OPTICS)

### INTERFERON

RT BACTERIOPHAGES  
BIOCHEMISTRY  
∞ BIOLOGY  
PHYSIOLOGICAL DEFENSES  
VIRUSES

### INTERGALACTIC MEDIA

UF EXTRAGALACTIC MEDIA  
GS MEDIA  
  . INTERGALACTIC MEDIA  
RT COOLING FLOWS (ASTROPHYSICS)  
COSMIC DUST  
COSMIC GASES  
COSMIC PLASMA  
DARK MATTER  
MASS DISTRIBUTION  
STELLAR WINDS

### INTERGRANULAR CORROSION

GS CHEMICAL ATTACK  
  . INTERGRANULAR CORROSION  
CORROSION  
  . INTERGRANULAR CORROSION  
RT GRAIN BOUNDARIES  
STRESS CORROSION  
TRANSGRANULAR CORROSION

### INTERIM STAGES (SPACECRAFT)

GS INTERIM STAGES (SPACECRAFT)  
  . INERTIAL UPPER STAGE  
RT MULTISTAGE ROCKET VEHICLES  
RECOVERABLE SPACECRAFT  
REUSABLE SPACECRAFT  
SPACE SHUTTLES  
STAGE SEPARATION

### INTERIM UPPER STAGE (STS)

USE INERTIAL UPPER STAGE

### INTERIOR BALLISTICS

GS BALLISTICS  
  . INTERIOR BALLISTICS  
RT PROPELLANT TESTS

### INTERLACING DRAINAGE

USE DRAINAGE PATTERNS

## INTERNAL WAVES

### INTERLAYERS

GS INTERLAYERS  
 . MULTILAYER INSULATION  
 RT BARRIER LAYERS  
 FABRICS  
 INSULATION  
 INTERCALATION  
 LAMINATES  
 ∞ LAYERS  
 PLY ORIENTATION  
 SANDWICH STRUCTURES  
 ∞ TRANSITION LAYERS

### INTERLOCKING

USE LOCKING

### INTERMEDIATE FREQUENCIES

GS FREQUENCIES  
 . INTERMEDIATE FREQUENCIES  
 RT HIGH FREQUENCIES  
 LOW FREQUENCIES  
 RADIO FREQUENCIES

### INTERMEDIATE FREQUENCY AMPLIFIERS

GS AMPLIFIERS  
 . INTERMEDIATE FREQUENCY  
 AMPLIFIERS  
 RT BEAT FREQUENCIES  
 CRYSTAL FILTERS  
 HETERODYNING  
 LOGARITHMIC RECEIVERS  
 PREAMPLIFIERS  
 RADIO RECEIVERS  
 TRANSISTOR AMPLIFIERS

### INTERMEDIATE RANGE BALLISTIC MISSILES

UF IRBM (MISSILES)  
 GS MISSILES  
 . BALLISTIC MISSILES  
 . . INTERMEDIATE RANGE BALLISTIC  
 MISSILES  
 . . . BLUE STREAK MISSILE  
 . . . JUPITER MISSILE  
 . . . POLARIS MISSILES  
 . . . POLARIS A1 MISSILE  
 . . . POLARIS A2 MISSILE  
 . . . POLARIS A3 MISSILE  
 . SURFACE TO SURFACE MISSILES  
 . . INTERMEDIATE RANGE BALLISTIC  
 MISSILES  
 . . . BLUE STREAK MISSILE  
 . . . JUPITER MISSILE  
 . . . POLARIS MISSILES  
 . . . POLARIS A1 MISSILE  
 . . . POLARIS A2 MISSILE  
 . . . POLARIS A3 MISSILE  
 RT FIELD ARMY BALLISTIC MISSILES  
 FLEET BALLISTIC MISSILES  
 INTERCONTINENTAL BALLISTIC MISSILES  
 MARK 1 REENTRY BODY  
 MARK 2 REENTRY BODY  
 MARK 3 REENTRY BODY  
 SHORT RANGE BALLISTIC MISSILES

### INTERMETALLICS

SN (COMPOUNDS CONSISTING OF ONLY  
 METALLIC ELEMENTS)  
 UF ELECTRON COMPOUNDS  
 RT ALLOYING  
 ALLOYS  
 ALUMINIDES  
 AMMINES  
 ARSENIDES  
 BORIDES  
 INORGANIC COMPOUNDS  
 METALLOIDS  
 METALS  
 PHASE DIAGRAMS  
 PHOTOELECTROMAGNETIC EFFECTS  
 SEMICONDUCTORS (MATERIALS)  
 SILICIDES  
 TELLURIDES

### INTERMITTENCY

RT CYCLES  
 PULSES  
 RANDOM PROCESSES

### INTERMITTENCY HYPOTHESIS

GS HYPOTHESES  
 . INTERMITTENCY HYPOTHESIS  
 RT PHOTOGRAPHIC RECORDING

### INTERMODULATION

GS MODULATION

### INTERMODULATION-(CONT.)

RT DEMODULATION  
 DISCRIMINATORS  
 FREQUENCY ANALYZERS  
 FREQUENCY MODULATION  
 REMODULATION  
 SOUND-SOUND INTERACTIONS  
 WAVE INTERACTION

### INTERMOLECULAR FORCES

GS LEVEL (QUANTITY)  
 . ENERGY LEVELS  
 . . MOLECULAR ENERGY LEVELS  
 . . . INTERMOLECULAR FORCES  
 RT CONFIGURATION INTERACTION  
 EXCIMERS  
 LENNARD-JONES POTENTIAL  
 MOLECULAR INTERACTIONS  
 MOLECULAR STRUCTURE  
 VAN DER WAAL FORCES  
 VIRIAL COEFFICIENTS

### INTERMONTANE FLOORS

USE VALLEYS

### INTERNAL COMBUSTION ENGINES

SN (EXCLUDES ROCKET ENGINES)  
 GS ENGINES  
 . INTERNAL COMBUSTION ENGINES  
 . . DIESEL ENGINES  
 . . . GAS TURBINE ENGINES  
 . . . HYDROGEN ENGINES  
 . . . JET ENGINES  
 . . . RAMJET ENGINES  
 . . . . INTEGRAL ROCKET RAMJETS  
 . . . . LOW VOLUME RAMJET ENGINES  
 . . . . PULSEJET ENGINES  
 . . . . SUPERSONIC COMBUSTION  
 . . . . RAMJET ENGINES  
 . . . . TURBORAMJET ENGINES  
 . . . . T-63 ENGINE  
 . . . . T-76 ENGINE  
 . . . . TURBOJET ENGINES  
 . . . . BRISTOL-SIDDELEY OLYMPUS  
 . . . . 593 ENGINE  
 . . . . BRISTOL-SIDDELEY VIPER  
 . . . . ENGINE  
 . . . . DUCTED FAN ENGINES  
 . . . . J-33 ENGINE  
 . . . . J-34 ENGINE  
 . . . . J-47 ENGINE  
 . . . . J-52 ENGINE  
 . . . . J-57 ENGINE  
 . . . . J-57-P-20 ENGINE  
 . . . . J-65 ENGINE  
 . . . . J-69-T-25 ENGINE  
 . . . . J-71 ENGINE  
 . . . . J-73 ENGINE  
 . . . . J-75 ENGINE  
 . . . . J-79 ENGINE  
 . . . . J-85 ENGINE  
 . . . . J-93 ENGINE  
 . . . . RA-28 ENGINE  
 . . . . TURBOFAN ENGINES  
 . . . . BRISTOL-SIDDELEY BS 53  
 . . . . ENGINE  
 . . . . CF-700 ENGINE  
 . . . . J-97 ENGINE  
 . . . . TF-30 ENGINE  
 . . . . TF-41 ENGINE  
 . . . . TURBOPROP ENGINES  
 . . . . T-34 ENGINE  
 . . . . T-38 ENGINE  
 . . . . T-53 ENGINE  
 . . . . T-56 ENGINE  
 . . . . T-64 ENGINE  
 . . . . T-74 ENGINE  
 . . . . T-78 ENGINE  
 . . . . TURBORAMJET ENGINES  
 . . . . T-58 ENGINE  
 . . . . T-58-GE-8B ENGINE  
 . . . . HELICOPTER ENGINES  
 . . . . ROTARY ENGINES  
 . . . . WANKEL ENGINES  
 RT AFTERBURNING  
 AIRCRAFT ENGINES  
 AUTOMOBILE ENGINES  
 AUTOMOBILE FUELS  
 ∞ BEARING  
 BEARINGS  
 BOOSTER ROCKET ENGINES  
 CAMS  
 CARBURETORS  
 COMBUSTION

### INTERNAL COMBUSTION ENGINES-(CONT.)

COMBUSTION CHAMBERS  
 DIESEL FUELS  
 DISTRIBUTORS  
 DUCTED ROCKET ENGINES  
 ELECTRIC HYBRID VEHICLES  
 ENGINE PARTS  
 ENGINE PRIMERS  
 ENGINE STARTERS  
 EXHAUST SYSTEMS  
 EXTERNAL COMBUSTION ENGINES  
 FUEL CONSUMPTION  
 FUEL INJECTION  
 FUEL PUMPS  
 FUEL SYSTEMS  
 GAS TURBINES  
 HYBRID PROPELLANT ROCKET ENGINES  
 IGNITION SYSTEMS  
 LIQUID PROPELLANT ROCKET ENGINES  
 LUBRICATION SYSTEMS  
 PISTON ENGINES  
 PISTONS  
 RETROCKET ENGINES  
 ROCKET ENGINES  
 SOLID PROPELLANT ROCKET ENGINES  
 SPARK PLUGS  
 SUPERCHARGERS  
 SUSTAINER ROCKET ENGINES  
 THERMODYNAMIC CYCLES  
 THERMODYNAMIC EFFICIENCY  
 TORPEDO ENGINES  
 VERNIER ENGINES

### INTERNAL COMPRESSION INLETS

GS INTAKE SYSTEMS  
 . INTERNAL COMPRESSION INLETS  
 RT AIR INTAKES  
 COMPRESSING  
 ENGINE INLETS  
 INLET NOZZLES  
 SUPERSONIC INLETS

### INTERNAL CONVERSION

RT ∞ CONVERSION  
 NUCLEAR REACTIONS

### INTERNAL ENERGY

RT CHEMICAL ENERGY  
 ∞ ENERGY  
 FREE ENERGY  
 GIBBS-HELMHOLTZ EQUATIONS  
 KINETIC ENERGY  
 ∞ LEVEL  
 MOLECULAR ENERGY LEVELS  
 PARTICLE ENERGY  
 POTENTIAL ENERGY  
 THERMAL ENERGY  
 THERMODYNAMICS

### INTERNAL FRICTION

GS FRICTION  
 RT . INTERNAL FRICTION  
 ANELASTICITY  
 ATTENUATION  
 COHESION  
 DAMPING  
 DENSITY (MASS/VOLUME)  
 EDDY VISCOSITY  
 HYSTERESIS  
 MECHANICAL PROPERTIES  
 ∞ PHYSICAL PROPERTIES  
 PLASTIC FLOW  
 VISCOSITY

### INTERNAL PRESSURE

SN (LIMITED TO PRESSURE INSIDE A  
 PORTION OF MATTER DUE TO  
 ATTRACTION BETWEEN MOLECULES)  
 GS PRESSURE  
 . INTERNAL PRESSURE  
 RT ADHESION  
 COHESION  
 GAS PRESSURE  
 PARTIAL PRESSURE  
 PRESSURE DISTRIBUTION  
 SPREADING  
 TEMPERATURE INVERSIONS

### INTERNAL STRESS

USE RESIDUAL STRESS

### INTERNAL WAVES

GS INTERNAL WAVES  
 . PLANETARY WAVES  
 RT SURFACE WAVES

## INTERNATIONAL COMETARY EXPLORER

### INTERNAL WAVES-(CONT.)

∞ WAVES

### INTERNATIONAL COMETARY EXPLORER

USE INTERNATIONAL SUN EARTH EXPLORER  
3

### INTERNATIONAL COMPUTERS LIMITED

USE ICL COMPUTERS

### INTERNATIONAL COOPERATION

GS FOREIGN POLICY  
INTERNATIONAL RELATIONS  
INTERNATIONAL COOPERATION  
OUTER SPACE TREATY  
RT A-300 AIRCRAFT  
A-310 AIRCRAFT  
A-320 AIRCRAFT  
ANIK SATELLITES  
ANIK 1  
ANIK 2  
ANIK 3  
APOLLO SOYUZ TEST PROJECT  
ARABSAT  
ARCOMSAT  
AZUR SATELLITE  
COMMITTEE ON SPACE RESEARCH  
COMMUNICATIONS TECHNOLOGY  
SATELLITE  
CONVENTIONS  
∞ COOPERATION  
COSMOS 782 SATELLITE  
COSMOS 936 SATELLITE  
COSMOS 1129 SATELLITE  
DISARMAMENT  
EISCAT RADAR SYSTEM (EUROPE)  
ESA SATELLITES  
EUROPEAN AIRBUS  
FEDERATIONS  
FRENCH SPACE PROGRAMS  
INFORMATION TRANSFER  
INTEGRATED GLOBAL OCEAN STATION  
SYSTEMS  
INTERNATIONAL HYDROLOGICAL  
DECADE  
INTERNATIONAL SATELLITE GEODESY  
EXPERIMENT  
NORTH ATLANTIC TREATY  
ORGANIZATION (NATO)  
ORBITING FROG OTOLITH  
PALAPA SATELLITES  
PALAPA 2 SATELLITE  
PEACETIME  
POLITICS  
ROSAT MISSION  
SEA LAW  
SOVEREIGNTY  
SYMPHONIE SATELLITES  
U.S.S.R. SPACE PROGRAM  
UNITED NATIONS  
USER REQUIREMENTS  
VEGA PROJECT  
WORLD METEOROLOGICAL  
ORGANIZATION

### INTERNATIONAL FIELD YEAR FOR GREAT LAKES

RT CANADA  
GREAT LAKES (NORTH AMERICA)  
UNITED STATES

### INTERNATIONAL GEOPHYSICAL YEAR

UF IGY (GEOPHYSICAL YEAR)  
RT GEOPHYSICS  
VANGUARD SATELLITES  
WORLD DATA CENTERS

### INTERNATIONAL GEOSPHERE-BIOSPHERE PROGRAM

GS PROGRAMS  
INTERNATIONAL  
GEOSPHERE-BIOSPHERE PROGRAM  
RT BIOGEOCHEMISTRY  
BIOSPHERE  
EARTH OBSERVATIONS (FROM SPACE)  
GEOPHYSICS  
MAN ENVIRONMENT INTERACTIONS  
SOLAR TERRESTRIAL INTERACTIONS

### INTERNATIONAL HYDROLOGICAL DECADE

RT CANADA  
FOREIGN POLICY  
HYDROLOGY  
INTERNATIONAL COOPERATION  
INTERNATIONAL RELATIONS  
PRECIPITATION (METEOROLOGY)

### INTERNATIONAL HYDROLOGICAL-(CONT.)

RIVER BASINS  
STREAMS  
UNITED STATES  
WATER RESOURCES  
WATERSHEDS

### INTERNATIONAL LAW

GS LAW (JURISPRUDENCE)  
INTERNATIONAL LAW  
AIR LAW  
SEA LAW  
SPACE LAW  
RT CONVENTIONS  
LEGAL LIABILITY  
NATIONS  
OUTER SPACE TREATY  
PEACETIME  
POLITICS  
SOVEREIGNTY  
UNITED NATIONS  
WARFARE

### INTERNATIONAL MAGNETOSPHERIC EXPLORER

UF IME SATELLITE  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
EXPLORER SATELLITES  
INTERNATIONAL MAGNETOSPHERIC  
EXPLORER  
RT DELTA LAUNCH VEHICLE  
EARTH MAGNETOSPHERE

### INTERNATIONAL MAGNETOSPHERIC STUDY

UF IMS  
GS INVESTIGATION  
INTERNATIONAL MAGNETOSPHERIC  
STUDY  
RT ATMOSPHERIC PHYSICS  
EARTH MAGNETOSPHERE  
EUROPEAN SPACE PROGRAMS  
GEOMAGNETISM  
INTERPLANETARY MAGNETIC FIELDS

### INTERNATIONAL PRACTICAL TEMPERATURE

USE TEMPERATURE SCALES

### INTERNATIONAL QUIET SUN YEAR

UF IQSY (INTERNATIONAL YEAR)  
RT SOLAR ACTIVITY  
SOLAR CYCLES  
SOLAR PHYSICS

### INTERNATIONAL RELATIONS

GS FOREIGN POLICY  
INTERNATIONAL RELATIONS  
INTERNATIONAL COOPERATION  
OUTER SPACE TREATY  
RT APOLLO SOYUZ TEST PROJECT  
INTERNATIONAL HYDROLOGICAL  
DECADE  
U.S.S.R. SPACE PROGRAM

### INTERNATIONAL SATELLITE GEODESY EXPERIMENT

UF ISAGEX  
RT CELESTIAL GEODESY  
EUROPEAN SPACE PROGRAMS  
GEODETIC COORDINATES  
INTERNATIONAL COOPERATION  
SATELLITE TRACKING  
U.S.S.R. SPACE PROGRAM

### INTERNATIONAL SATS FOR IONOSPHERIC STUDY

USE ISIS SATELLITES

### INTERNATIONAL SOLAR POLAR MISSION

USE ULYSSES MISSION

### INTERNATIONAL SUN EARTH EXPLORER 1

GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
EXPLORER SATELLITES  
INTERNATIONAL SUN EARTH  
EXPLORERS  
INTERNATIONAL SUN EARTH  
EXPLORER 1

### INTERNATIONAL SUN EARTH EXPLORER 2

GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
EXPLORER SATELLITES  
INTERNATIONAL SUN EARTH  
EXPLORERS

### INTERNATIONAL SUN EARTH-(CONT.)

INTERNATIONAL SUN EARTH  
EXPLORER 2

### INTERNATIONAL SUN EARTH EXPLORER 3

UF INTERNATIONAL COMETARY EXPLORER  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
EXPLORER SATELLITES  
INTERNATIONAL SUN EARTH  
EXPLORERS  
INTERNATIONAL SUN EARTH  
EXPLORER 3

### INTERNATIONAL SUN EARTH EXPLORERS

UF ISEE  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
EXPLORER SATELLITES  
INTERNATIONAL SUN EARTH  
EXPLORERS  
INTERNATIONAL SUN EARTH  
EXPLORER 1  
INTERNATIONAL SUN EARTH  
EXPLORER 2  
INTERNATIONAL SUN EARTH  
EXPLORER 3

### INTERNATIONAL SYSTEM OF UNITS

UF METRIC SYSTEM  
SI  
GS UNITS OF MEASUREMENT  
INTERNATIONAL SYSTEM OF UNITS  
RT CONVERSION TABLES  
MEASUREMENT  
MEASURING INSTRUMENTS  
METRICATION  
METROLOGY  
SYSTEMS

### INTERNATIONAL TRADE

UF EXPORTS  
FOREIGN TRADE  
RT ECONOMICS  
REVENUE

### INTERNATIONAL ULTRAVIOLET EXPLORER

USE IUE

### INTERNUCLEAR PROPERTIES

RT MOLECULAR INTERACTIONS  
MOLECULAR PHYSICS

### INTERORBITAL TRAJECTORIES

GS TRAJECTORIES  
INTERORBITAL TRAJECTORIES  
RT INTERPLANETARY TRAJECTORIES  
ROUND TRIP TRAJECTORIES  
SPACECRAFT TRAJECTORIES

### INTERPERSONAL RELATIONS

USE HUMAN RELATIONS

### INTERPHONES

GS COMMUNICATION EQUIPMENT  
INTERPHONES  
RT EARPHONES  
MICROPHONES  
TELECOMMUNICATION

### INTERPLANETARY COMMUNICATION

GS TELECOMMUNICATION  
SPACE COMMUNICATION  
INTERPLANETARY COMMUNICATION  
RT CIRCUMLUNAR COMMUNICATION  
EXTRATERRESTRIAL COMMUNICATION  
FACSIMILE COMMUNICATION  
LASERS  
LUNAR COMMUNICATION  
OPTICAL COMMUNICATION  
RADIO COMMUNICATION  
SATELLITE COMMUNICATION  
SPACECRAFT COMMUNICATION

### INTERPLANETARY DUST

GS MEDIA  
INTERPLANETARY MEDIUM  
INTERPLANETARY DUST  
METEOROID DUST CLOUDS  
ZODIACAL DUST  
PARTICLES  
DUST  
COSMIC DUST  
INTERPLANETARY DUST

**INTERPLANETARY DUST-(CONT.)**

... METEOROID DUST CLOUDS  
 ... ZODIACAL DUST  
 RT METEOROIDS  
 MICROMETEORIDS

**INTERPLANETARY EXPLORER**

USE EXPLORER 18 SATELLITE

**INTERPLANETARY FLIGHT**

UF PLANETARY SPACE FLIGHT  
 GS SPACE FLIGHT  
 RT **INTERPLANETARY FLIGHT**  
 ASTEROID MISSIONS  
 ASTRODYNAMICS  
 EARTH-VENUS TRAJECTORIES  
 FLYBY MISSIONS  
 INTERSTELLAR SPACECRAFT  
 LONG DURATION SPACE FLIGHT  
 MANNED MARS MISSIONS  
 MANNED SPACE FLIGHT  
 MARINER JUPITER-SATURN FLYBY  
 MARINER JUPITER-URANUS FLYBY  
 MARINER MARK 2 SPACECRAFT  
 ORBITS  
 OUTER PLANETS EXPLORERS  
 PLANETARY LANDING  
 RETURN TO EARTH SPACE FLIGHT  
 ROUND TRIP TRAJECTORIES  
 SPACE EXPLORATION  
 SPACE NAVIGATION  
 SPACECRAFT GUIDANCE  
 TOPS (SPACECRAFT)

**INTERPLANETARY GAS**

GS EXTRATERRESTRIAL MATTER  
 COSMIC GASES  
**INTERPLANETARY GAS**  
 GASES  
 RAREFIED GASES  
 COSMIC GASES  
**INTERPLANETARY GAS**  
 MEDIA  
 INTERPLANETARY MEDIUM  
**INTERPLANETARY GAS**  
 RT COSMIC PLASMA  
 INTERSTELLAR GAS  
 NEUTRAL GASES  
 SOLAR WIND

**INTERPLANETARY MAGNETIC FIELDS**

GS MAGNETIC FIELDS  
**INTERPLANETARY MAGNETIC FIELDS**  
 RT CHAPMAN-FERRARO PROBLEM  
 INTERNATIONAL MAGNETOSPHERIC  
 STUDY  
 MAGNETIC CLOUDS  
 MAGNETIC FIELD RECONNECTION  
 SOLAR MAGNETIC FIELD

**INTERPLANETARY MEDIUM**

GS MEDIA  
**INTERPLANETARY MEDIUM**  
 INTERPLANETARY DUST  
 METEOROID DUST CLOUDS  
 ZODIACAL DUST  
**INTERPLANETARY GAS**  
 RT MAGNETIC CLOUDS  
 MASS DISTRIBUTION  
 METEORIDS  
 PLASMA CLOUDS  
 SOLAR WIND

**INTERPLANETARY MONITORING PLATFORM**

USE IMP

**INTERPLANETARY NAVIGATION**

GS NAVIGATION  
 SPACE NAVIGATION  
**INTERPLANETARY NAVIGATION**  
 RT ASTRONAVIGATION  
 CELESTIAL NAVIGATION  
 CELESTIAL REFERENCE SYSTEMS  
 RADAR NAVIGATION  
 RADIO NAVIGATION

**INTERPLANETARY PROPULSION**

USE INTERPLANETARY SPACECRAFT  
 ROCKET ENGINES

**INTERPLANETARY SPACE**

UF TRANSLUNAR SPACE  
 GS ENVIRONMENTS  
 AEROSPACE ENVIRONMENTS

**INTERPLANETARY SPACE-(CONT.)**

DEEP SPACE  
**INTERPLANETARY SPACE**  
 EXTRATERRESTRIAL ENVIRONMENTS  
 DEEP SPACE  
**INTERPLANETARY SPACE**  
 RT CISLUNAR SPACE  
 HELIOSPHERE  
 INTERSTELLAR SPACE  
 POLAR CUSPS

**INTERPLANETARY SPACECRAFT**

UF INTERPLANETARY PROPULSION  
 PLANETARY SPACECRAFT  
 GS **INTERPLANETARY SPACECRAFT**  
 EXPLORER 18 SATELLITE  
 JUPITER PROBES  
 GALILEO PROBE  
 GALILEO SPACECRAFT  
 MARINER SPACE PROBES  
 MARINER R 2 SPACE PROBE  
 MARINER 1 SPACE PROBE  
 MARINER 2 SPACE PROBE  
 MARINER 3 SPACE PROBE  
 MARINER 4 SPACE PROBE  
 MARINER 5 SPACE PROBE  
 MARINER 6 SPACE PROBE  
 MARINER 7 SPACE PROBE  
 MARINER 8 SPACE PROBE  
 MARINER 9 SPACE PROBE  
 MARINER 10 SPACE PROBE  
 MARINER 11 SPACE PROBE  
 MARINER SPACECRAFT  
 MARINER C SPACECRAFT  
 MARINER VENUS 67 SPACECRAFT  
 MARS PROBES  
 ADVANCED RECONN ELECTRIC  
 SPACECRAFT  
 MARINER 3 SPACE PROBE  
 MARINER 4 SPACE PROBE  
 MARINER 6 SPACE PROBE  
 MARINER 7 SPACE PROBE  
 MARINER 8 SPACE PROBE  
 MARINER 9 SPACE PROBE  
 MARS OBSERVER  
 MARS 1 SPACECRAFT  
 MARS 2 SPACECRAFT  
 MARS 3 SPACECRAFT  
 MARS 4 SPACECRAFT  
 MARS 5 SPACECRAFT  
 MARS 6 SPACECRAFT  
 MARS 7 SPACECRAFT  
 VIKING SPACECRAFT  
 VIKING LANDER SPACECRAFT  
 VIKING LANDER 1  
 VIKING LANDER 2  
 VIKING ORBITER SPACECRAFT  
 VIKING ORBITER 1  
 VIKING ORBITER 2  
 VIKING ORBITER 1975  
 VIKING 1 SPACECRAFT  
 VIKING LANDER 1  
 VIKING ORBITER 1  
 VIKING 2 SPACECRAFT  
 VIKING LANDER 2  
 VIKING ORBITER 2  
 VIKING 75 ENTRY VEHICLE  
 ZOND 2 SPACE PROBE  
 PIONEER SPACE PROBES  
 PIONEER VENUS 2 ENTRY PROBES  
 PIONEER VENUS 2 NIGHT PROBE  
 PIONEER VENUS 2 SOUNDER  
 PROBE  
 PIONEER 1 SPACE PROBE  
 PIONEER 2 SPACE PROBE  
 PIONEER 3 SPACE PROBE  
 PIONEER 4 SPACE PROBE  
 PIONEER 5 SPACE PROBE  
 PIONEER 6 SPACE PROBE  
 PIONEER 7 SPACE PROBE  
 PIONEER 8 SPACE PROBE  
 PIONEER 9 SPACE PROBE  
 PIONEER 10 SPACE PROBE  
 PIONEER 11 SPACE PROBE  
 PIONEER VENUS SPACECRAFT  
 PIONEER VENUS 1 SPACECRAFT  
 PIONEER VENUS 2 SPACECRAFT  
 PIONEER VENUS 2 TRANSPORTER  
 BUS  
 TOPS (SPACECRAFT)  
 VENUS PROBES  
 MAGELLAN SPACECRAFT (NASA)  
 MARINER 1 SPACE PROBE  
 MARINER 2 SPACE PROBE  
 MARINER 5 SPACE PROBE  
 MARINER 10 SPACE PROBE

**INTERPLANETARY TRANSFER ORBITS****INTERPLANETARY SPACECRAFT-(CONT.)**

PIONEER VENUS 2 SPACECRAFT  
 PIONEER VENUS 2 TRANSPORTER  
 BUS  
 VENERA SATELLITES  
 VENERA 2 SATELLITE  
 VENERA 3 SATELLITE  
 VENERA 4 SATELLITE  
 VENERA 5 SATELLITE  
 VENERA 6 SATELLITE  
 VENERA 7 SATELLITE  
 VENERA 8 SATELLITE  
 VENERA 9 SATELLITE  
 VENERA 10 SATELLITE  
 VENERA 11 SATELLITE  
 VENERA 12 SATELLITE  
 ZOND 1 SPACE PROBE  
 ZOND 3 SPACE PROBE  
 ZOND 4 SPACE PROBE  
 ZOND 5 SPACE PROBE  
 ZOND 6 SPACE PROBE  
 ZOND 7 SPACE PROBE  
 ZOND 8 SPACE PROBE  
 VOYAGER 1 SPACECRAFT  
 VOYAGER 2 SPACECRAFT  
 ZOND SPACE PROBES  
 ZOND 1 SPACE PROBE  
 ZOND 2 SPACE PROBE  
 ZOND 3 SPACE PROBE  
 ZOND 4 SPACE PROBE  
 ZOND 5 SPACE PROBE  
 ZOND 6 SPACE PROBE  
 ZOND 7 SPACE PROBE  
 ZOND 8 SPACE PROBE  
 RT ARTIFICIAL SATELLITES  
 INTERSTELLAR SPACECRAFT  
 LANDING MODULES  
 MANEUVERABLE SPACECRAFT  
 MANNED MARS MISSIONS  
 MANNED SPACECRAFT  
 RENDEZVOUS SPACECRAFT  
 REUSABLE SPACECRAFT  
 SPACE CAPSULES  
 SPACE EXPLORATION  
 SPACE PROBES  
 SPACECRAFT  
 UNMANNED SPACECRAFT  
 VOYAGER 1977 MISSION

**INTERPLANETARY TRAJECTORIES**

GS TRAJECTORIES  
 SPACECRAFT TRAJECTORIES  
**INTERPLANETARY TRAJECTORIES**  
 EARTH-MARS TRAJECTORIES  
 EARTH-MERCURY TRAJECTORIES  
 RT EARTH-MOON TRAJECTORIES  
 EARTH-VENUS TRAJECTORIES  
 GODDARD TRAJECTORY  
 DETERMINATION SYSTEM  
 INTERORBITAL TRAJECTORIES  
 ORBITAL LAUNCHING  
 ORBITAL MECHANICS  
 PARKING ORBITS  
 PLANETARY ORBITS  
 RENDEZVOUS TRAJECTORIES  
 ROUND TRIP TRAJECTORIES  
 SOLAR ORBITS  
 SPACE NAVIGATION  
 SPACECRAFT GUIDANCE  
 TRANSFER ORBITS  
 VIKING LANDER SPACECRAFT  
 VIKING LANDER 1  
 VIKING LANDER 2  
 VIKING ORBITER SPACECRAFT  
 VIKING ORBITER 1  
 VIKING ORBITER 2  
 VIKING 1 SPACECRAFT  
 VIKING 2 SPACECRAFT

**INTERPLANETARY TRANSFER ORBITS**

GS ORBITS  
 ELLIPTICAL ORBITS  
 TRANSFER ORBITS  
**INTERPLANETARY TRANSFER ORBITS**  
 SPACECRAFT ORBITS  
 TRANSFER ORBITS  
**INTERPLANETARY TRANSFER ORBITS**  
 RT AEROASSIST  
 AEROBRKING  
 AEROCAPTURE  
 AEROMANEUVERING  
 ORBITAL MECHANICS  
 SWINGBY TECHNIQUE



## INTERPOLATION

### INTERPOLATION

- GS ANALYSIS (MATHEMATICS)
  - . NUMERICAL ANALYSIS
  - . **INTERPOLATION**
- RT COMMUTATION
  - COMPUTATION
  - EXTRAPOLATION
  - FINITE DIFFERENCE THEORY
  - STATISTICAL ANALYSIS

### INTERPOLATORS

- USE REPEATERS

### ∞ INTERPRETATION

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT DECODING
  - INTELLIGIBILITY
  - PERCEPTION
  - PHOTOINTERPRETATION
  - READING
  - RECOGNITION
  - SYNTAX
  - TRANSLATING

### INTERPROCESSOR COMMUNICATION

- RT COMPUTER NETWORKS
  - COMPUTER SYSTEMS DESIGN
  - DINING PHILOSOPHERS PROBLEM
  - HYPERCUBE MULTIPROCESSORS
  - LOCAL AREA NETWORKS
  - MIMD (COMPUTERS)
  - MULTIPROCESSING (COMPUTERS)
  - PARALLEL PROCESSING (COMPUTERS)
  - SIMD (COMPUTERS)

### INTERRELATIONSHIPS

- USE RELATIONSHIPS

### INTERROGATION

- RT DATA PROCESSING
  - IFF SYSTEMS (IDENTIFICATION)
  - SECONDARY RADAR
  - TRANSMITTER RECEIVERS
  - TRANSPONDERS

### INTERRUPTION

- RT ELECTRIC RELAYS
  - PACKET SWITCHING
  - SEQUENCING
  - SWITCHES
  - SWITCHING

### INTERSECTIONS

- SN (EXCLUDES BOOLEAN LOGICAL PRODUCTS)
- RT CROSSINGS
  - CROSSOVERS
  - HIGHWAYS
  - ∞ JUNCTIONS
  - RAMPS (STRUCTURES)
  - ROADS
  - STREETS
  - TRANSPORTATION NETWORKS

### INTERSERVICE DATA EXCHANGE PROGRAM

- UF IDEP (DATA EXCHANGE)
- RT ∞ DATA
  - DATA RETRIEVAL
  - DATA STORAGE
  - INFORMATION RETRIEVAL
  - LIBRARIES
  - MILITARY TECHNOLOGY
  - RESEARCH

### INTERSTELLAR CHEMISTRY

- RT ASSOCIATION REACTIONS
  - CHEMICAL REACTIONS
  - ∞ CHEMISTRY
  - COSMOCHEMISTRY
  - FORMYL IONS
  - INTERSTELLAR MATTER
  - MOLECULAR CLOUDS
  - MOLECULAR INTERACTIONS
  - REACTION KINETICS

### INTERSTELLAR COMMUNICATION

- GS COMMUNICATING
  - . **INTERSTELLAR COMMUNICATION**
- RT EXTRATERRESTRIAL INTELLIGENCE
  - RADIO COMMUNICATION
  - SPACE COMMUNICATION

### INTERSTELLAR EXTINCTION

- UF INTERSTELLAR REDDENING
- GS EXTINCTION
  - . **INTERSTELLAR EXTINCTION**
- RT ASTROPHYSICS
  - EVOLUTION (DEVELOPMENT)
  - INTERSTELLAR GAS
  - RADIATION ABSORPTION
  - STELLAR EVOLUTION
  - STELLAR RADIATION

### INTERSTELLAR GAS

- GS EXTRATERRESTRIAL MATTER
  - . COSMIC GASES
  - . **INTERSTELLAR GAS**
  - . . . NEUTRAL GASES
  - . INTERSTELLAR MATTER
  - . **INTERSTELLAR GAS**
  - . . . NEUTRAL GASES
  - GASES
  - . RAREFIED GASES
  - . . COSMIC GASES
  - . . . **INTERSTELLAR GAS**
  - . . . . NEUTRAL GASES
- RT COOLING FLOWS (ASTROPHYSICS)
  - H I REGIONS
  - H II REGIONS
  - HELIOSPHERE
  - INTERPLANETARY GAS
  - INTERSTELLAR EXTINCTION
  - MAGNETIC CLOUDS
  - MOLECULAR CLOUDS
  - OPHIUCHI CLOUDS
  - ORION NEBULA
  - SPIN TEMPERATURE
  - STAR FORMATION
  - STELLAR MASS ACCRETION
  - STELLAR WINDS

### INTERSTELLAR MAGNETIC FIELDS

- UF GALACTIC MAGNETIC FIELDS
- GS MAGNETIC FIELDS
  - . **INTERSTELLAR MAGNETIC FIELDS**
- RT MAGNETIC CLOUDS
  - STELLAR MAGNETIC FIELDS

### INTERSTELLAR MASERS

- GS STIMULATED EMISSION DEVICES
  - . MASERS
  - . . **INTERSTELLAR MASERS**
- RT COHERENT ELECTROMAGNETIC RADIATION
  - GAS MASERS
  - LASERS
  - MICROWAVE AMPLIFIERS
  - MOLECULAR CLOUDS
  - RADIATION SOURCES
  - STIMULATED EMISSION
  - WATER MASERS

### INTERSTELLAR MATTER

- GS EXTRATERRESTRIAL MATTER
  - . **INTERSTELLAR MATTER**
  - . . DARK MATTER
  - . . INTERSTELLAR GAS
  - . . . NEUTRAL GASES
- RT CELESTIAL BODIES
  - COSMIC DUST
  - FORMYL IONS
  - H I REGIONS
  - H II REGIONS
  - INTERSTELLAR CHEMISTRY
  - MASS DISTRIBUTION
  - METALLICITY
  - MOLECULAR CLOUDS
  - NEBULAE
  - OPHIUCHI CLOUDS
  - ORION NEBULA
  - REFLECTION NEBULAE
  - SPIN TEMPERATURE
  - STAR FORMATION
  - STELLAR MASS ACCRETION

### INTERSTELLAR MICROWAVE SPECTRA

- USE INTERSTELLAR RADIATION
  - MICROWAVE SPECTRA

### INTERSTELLAR RADIATION

- UF INTERSTELLAR MICROWAVE SPECTRA
- GS EXTRATERRESTRIAL RADIATION
  - . **INTERSTELLAR RADIATION**
- RT CORPUSCULAR RADIATION
  - COSMIC NOISE
  - COSMIC RAYS
  - ELECTROMAGNETIC RADIATION

### INTERSTELLAR RADIATION-(CONT.)

- GALACTIC RADIATION
- GAMMA RAY BURSTS
- ∞ RADIATION
  - RADIATIVE TRANSFER
  - STELLAR RADIATION

### INTERSTELLAR REDDENING

- USE INTERSTELLAR EXTINCTION

### INTERSTELLAR SPACE

- GS ENVIRONMENTS
  - . AEROSPACE ENVIRONMENTS
  - . . DEEP SPACE
  - . . . **INTERSTELLAR SPACE**
  - . . . EXTRATERRESTRIAL ENVIRONMENTS
  - . . . DEEP SPACE
  - . . . **INTERSTELLAR SPACE**
- RT INTERPLANETARY SPACE

### INTERSTELLAR SPACECRAFT

- RT INTERPLANETARY FLIGHT
  - INTERPLANETARY SPACECRAFT
  - INTERSTELLAR TRAVEL
  - SPACE EXPLORATION

### INTERSTELLAR TRAVEL

- GS SPACE FLIGHT
  - . **INTERSTELLAR TRAVEL**
- RT ASTRONAVIGATION
  - CELESTIAL REFERENCE SYSTEMS
  - EXTRATERRESTRIAL INTELLIGENCE
  - INTERSTELLAR SPACECRAFT
  - LONG DURATION SPACE FLIGHT
  - MANNED SPACE FLIGHT

### INTERSTICES

- RT CAVITIES
  - CRACKS
  - GRAIN BOUNDARIES
  - PERCOLATION
  - PERMEABILITY
  - PINHOLES
  - POROSITY
  - POROUS MATERIALS
  - VOIDS

### INTERSTITIALS

- RT ADDITIVES
  - CRYSTAL DEFECTS
  - CRYSTAL STRUCTURE
  - GRAIN BOUNDARIES

### INTERSYMBOLIC INTERFERENCE

- RT DATA TRANSMISSION
  - ∞ INTERFERENCE
  - SIGNAL DISTORTION
  - TRANSMISSION EFFICIENCY

### INTERTROPICAL CONVERGENT ZONES

- GS REGIONS
  - . **INTERTROPICAL CONVERGENT ZONES**
- RT ATMOSPHERIC CIRCULATION
  - FRONTS (METEOROLOGY)
  - GARP ATLANTIC TROPICAL EXPERIMENT
  - TROPICAL METEOROLOGY
  - TROPICAL REGIONS
  - ZONAL FLOW (METEOROLOGY)

### INTERVALS

- RT ALTERNATIONS
  - CONSECUTIVE EVENTS
  - SPACING
  - STEP FUNCTIONS
  - TIME
  - TOPOLOGY

### INTERVEHICLE SPACECREW TRANSFER

- USE SPACECREW TRANSFER

### INTERVERTEBRAL DISKS

- GS DISKS (SHAPES)
  - . **INTERVERTEBRAL DISKS**
- RT ∞ DISKS
  - MUSCULOSKELETAL SYSTEM
  - VERTEBRAE

### INTESTINES

- GS ANATOMY
  - . DIGESTIVE SYSTEM
  - . . GASTROINTESTINAL SYSTEM
  - . . . **INTESTINES**
  - . . . . RECTUM
- RT ABDOMEN

**INTESTINES-(CONT.)**

APPENDIX (ANATOMY)  
COLIC

**INTOXICATION**

RT ∞ POISONING  
TOXICITY AND SAFETY HAZARD  
TOXICOLOGY

**INTRACRANIAL CAVITY**

GS ANATOMY  
. HEAD (ANATOMY)  
. SKULL  
. CRANIUM  
. . . . . **INTRACRANIAL CAVITY**  
. MUSCULOSKELETAL SYSTEM  
. BONES  
. SKULL  
. CRANIUM  
. . . . . **INTRACRANIAL CAVITY**

**INTRACRANIAL PRESSURE**

GS PRESSURE  
. **INTRACRANIAL PRESSURE**  
RT BRAIN

**INTRAMOLECULAR STRUCTURES**

RT MOLECULAR STRUCTURE  
∞ STRUCTURES

**INTRAOCULAR PRESSURE**

UF TONOMETRY  
GS PRESSURE  
. **INTRAOCULAR PRESSURE**  
RT GLAUCOMA

**INTRAORBIT TRANSFER VEHICLES**

RT COLUMBUS SPACE STATION  
LARGE SPACE STRUCTURES  
SPACE PLATFORMS  
SPACE SHUTTLES  
∞ VEHICLES

**INTRAVASCULAR SYSTEM**

GS CIRCULATION  
. BLOOD CIRCULATION  
. . . **INTRAVASCULAR SYSTEM**  
RT ∞ SYSTEMS

**INTRAVEHICULAR ACTIVITY**

RT ∞ ACTIVITY  
ASTRONAUT LOCOMOTION  
ASTRONAUT MANEUVERING EQUIPMENT  
ASTRONAUT PERFORMANCE  
EXTRAVEHICULAR ACTIVITY  
HUMAN PERFORMANCE  
MANNED SPACE FLIGHT  
PILOT PERFORMANCE  
SPACECRAFT ENVIRONMENTS  
WEIGHTLESSNESS

**INTRAVENOUS PROCEDURES**

RT CATHETERIZATION  
MEDICAL SERVICES

**INTROVERSION**

RT ∞ DEPRESSION  
DETACHMENT  
HUMAN BEHAVIOR  
∞ INHIBITION  
PSYCHOLOGY

**INTRUDER AIRCRAFT**

USE A-6 AIRCRAFT

**INTRUSION**

RT CONTAMINATION  
EXTRUDING  
LEAKAGE  
SEEPAGE

**INVADER AIRCRAFT**

USE B-26 AIRCRAFT

**INVALIDITY**

USE ERRORS

**INVARIANCE**

GS **INVARIANCE**  
. GAUGE INVARIANCE  
RT ∞ CONSTANT  
LORENTZ TRANSFORMATIONS

**INVARIANT IMBEDDINGS**

GS GEOMETRY  
. TOPOLOGY  
. . . IMBEDDINGS (MATHEMATICS)  
. . . **INVARIANT IMBEDDINGS**  
RT ANISOTROPIC FLUIDS  
CALCULUS OF VARIATIONS  
CONFORMAL MAPPING  
COORDINATE TRANSFORMATIONS  
DIFFERENTIAL GEOMETRY  
∞ IMBEDDINGS  
ISOTROPIC TURBULENCE

**INVENTIONS**

RT PATENT APPLICATIONS  
PATENT POLICY  
PATENTS  
PRODUCT DEVELOPMENT

**INVENTORIES**

GS **INVENTORIES**  
. CROP INVENTORIES  
. TIMBER INVENTORY  
RT LARGE AREA CROP INVENTORY  
EXPERIMENT  
RESERVES  
∞ STORAGE

**INVENTORY CONTROLS**

GS MANAGEMENT  
. INDUSTRIAL MANAGEMENT  
. . . INVENTORY MANAGEMENT  
. . . **INVENTORY CONTROLS**  
. LOGISTICS MANAGEMENT  
. . . INVENTORY MANAGEMENT  
. . . **INVENTORY CONTROLS**  
RT ∞ CONTROL  
DISTRIBUTING  
MATHEMATICAL MODELS  
OPTIMAL CONTROL  
RESERVES  
RISK  
∞ STORAGE  
TIME LAG

**INVENTORY MANAGEMENT**

GS MANAGEMENT  
. INDUSTRIAL MANAGEMENT  
. . . **INVENTORY MANAGEMENT**  
. . . INVENTORY CONTROLS  
. LOGISTICS MANAGEMENT  
. . . **INVENTORY MANAGEMENT**  
. . . INVENTORY CONTROLS  
RT DOWNTIME  
LOGISTICS  
PROCUREMENT MANAGEMENT  
RESOURCES  
RETIREMENT FOR CAUSE  
SERVICES  
SPARE PARTS  
STOCKPILING  
∞ STORAGE

**INVERSE SCATTERING**

GS SCATTERING  
. **INVERSE SCATTERING**  
RT FORWARD SCATTERING  
RESONANCE SCATTERING

**INVERSIONS**

GS **INVERSIONS**  
. MAGNETIC FIELD INVERSIONS  
. POPULATION INVERSION  
. TEMPERATURE INVERSIONS  
. . . CENTRIFUGING STRESS

**INVERTEBRATES**

GS ANIMALS  
. **INVERTEBRATES**  
. . . ARTHROPODS  
. . . ARTEMIA  
. . . CRABS  
. . . INSECTS  
. . . BEES  
. . . BOLLWORMS  
. . . CHIRONOMUS FLIES  
. . . COCKROACHES  
. . . COLEOPTERA  
. . . BEETLES  
. . . TRIBOLIA  
. . . BOLL WEEVILS  
. . . CRICKETS  
. . . DROSOPHILA  
. . . FIREFLIES  
. . . GRASSHOPPERS

**INVERTEBRATES-(CONT.)**

. . . . . LOCUSTS  
. . . . . MOTHS  
. . . . . SILKWORMS  
. . . . . SPIDERS  
. . . . . MOLLUSKS  
. . . . . CEPHALOPODS  
. . . . . OCTOPUSES  
. . . . . SNAILS  
. . . . . ROTIFERA  
. . . . . SEA URCHINS  
. . . . . WORMS  
. . . . . FLATWORMS  
RT BACTERIA  
HEMOCYTES  
LARVAE  
MICROORGANISMS  
POIKILOthermia

**INVERTED CONVERTERS (DC TO AC)**

RT ALTERNATING CURRENT  
∞ CONVERTERS  
CURRENT CONVERTERS (AC TO DC)  
DIRECT CURRENT  
ELECTRIC CURRENT

**INVERTERS**

SN (EXCLUDES AC TO DC INVERTERS)  
GS **INVERTERS**  
. STATIC INVERTERS  
RT ATTENUATORS  
OSCILLATORS

**INVESTIGATION**

UF STUDIES  
GS **INVESTIGATION**  
. ACCIDENT INVESTIGATION  
. . . AIRCRAFT ACCIDENT INVESTIGATION  
. . . INTERNATIONAL MAGNETOSPHERIC  
STUDY  
RT EXAMINATION  
EXPERIMENTATION  
EXPLORATION  
GEOPHYSICAL FLUID FLOW CELLS  
OSS-1 PAYLOAD  
PROGRAMS  
RESEARCH  
RESEARCH AND DEVELOPMENT  
SAMPLING  
UNIVERSITY PROGRAM

**∞ INVESTMENT**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT COMMERCE  
INVESTMENT CASTING  
INVESTMENTS

**INVESTMENT CASTING**

UF LOST WAX PROCESS  
GS FORMING TECHNIQUES  
. CASTING  
. . . **INVESTMENT CASTING**  
RT CENTRIFUGAL CASTING  
∞ INVESTMENT

**INVESTMENTS**

RT DEPRECIATION  
ECONOMIC IMPACT  
ECONOMICS  
FINANCE  
∞ INVESTMENT

**INVISCID FLOW**

UF NONVISCIOUS FLOW  
GS FLUID FLOW  
. **INVISCID FLOW**  
. . . STAGNATION FLOW  
RT AERODYNAMICS  
CROCCO METHOD  
CROCCO-LEE THEORY  
∞ FLOW  
FLOW CHARACTERISTICS  
GAS FLOW  
LAMINAR FLOW  
POTENTIAL FLOW  
PRANDTL NUMBER  
REYNOLDS NUMBER  
STAGNATION TEMPERATURE  
TURBULENT FLOW  
VISCIOUS FLOW

**INVISIBILITY**

USE VISIBILITY

## INVOLUNTARINESS

### INVOLUNTARINESS

USE INVOLUNTARY ACTIONS

### INVOLUNTARY ACTIONS

UF INVOLUNTARINESS  
RT AUTONOMIC NERVOUS SYSTEM  
SNEEZING  
SPASMS  
TWITCHING

### IO

GS CELESTIAL BODIES  
. NATURAL SATELLITES  
. JUPITER SATELLITES  
. GALILEAN SATELLITES  
... IO  
RT CALLISTO  
CHARON  
GANYMEDE  
JUPITER (PLANET)

### IODATES

GS HALOGEN COMPOUNDS  
. IODINE COMPOUNDS  
... IODATES  
... LITHIUM IODATES

### IODIDES

GS HALOGEN COMPOUNDS  
. IODINE COMPOUNDS  
... IODIDES  
... CESIUM IODIDES  
... GALLAMINE TRIETHIODIDE  
... HAFNIUM IODIDES  
... NIOBIUM IODIDES  
... POTASSIUM IODIDES  
... SILVER IODIDES  
... SODIUM IODIDES  
... ZIRCONIUM IODIDES

### IODIMETRY

GS CHEMICAL TESTS  
. CHEMICAL ANALYSIS  
... IODIMETRY  
RT QUANTITATIVE ANALYSIS  
∞ REDUCTION  
TITRATION

### IODINE

GS CHEMICAL ELEMENTS  
. HALOGENS  
... IODINE  
... IODINE ISOTOPES  
... IODINE 125  
... IODINE 131  
... IODINE 132

### IODINE COMPOUNDS

GS HALOGEN COMPOUNDS  
... IODINE COMPOUNDS  
... IODATES  
... LITHIUM IODATES  
... IODIDES  
... CESIUM IODIDES  
... GALLAMINE TRIETHIODIDE  
... HAFNIUM IODIDES  
... NIOBIUM IODIDES  
... POTASSIUM IODIDES  
... SILVER IODIDES  
... SODIUM IODIDES  
... ZIRCONIUM IODIDES  
... IODOACETIC ACID  
RT ∞ CHEMICAL COMPOUNDS  
HALOCARBONS

### IODINE ISOTOPES

GS CHEMICAL ELEMENTS  
. HALOGENS  
... IODINE  
... IODINE ISOTOPES  
... IODINE 125  
... IODINE 131  
... IODINE 132  
. NUCLIDES  
. ISOTOPES  
... IODINE ISOTOPES  
... IODINE 125  
... IODINE 131  
... IODINE 132

### IODINE LASERS

GS STIMULATED EMISSION DEVICES  
. LASERS  
... IODINE LASERS

### IODINE 125

GS CHEMICAL ELEMENTS  
. HALOGENS  
... IODINE  
... IODINE ISOTOPES  
... IODINE 125  
. NUCLIDES  
. ISOTOPES  
... IODINE ISOTOPES  
... IODINE 125  
... RADIOACTIVE ISOTOPES  
... IODINE 125

### IODINE 131

GS CHEMICAL ELEMENTS  
. HALOGENS  
... IODINE  
... IODINE ISOTOPES  
... IODINE 131  
. NUCLIDES  
. ISOTOPES  
... IODINE ISOTOPES  
... IODINE 131  
... RADIOACTIVE ISOTOPES  
... IODINE 131

### IODINE 132

GS CHEMICAL ELEMENTS  
. HALOGENS  
... IODINE  
... IODINE ISOTOPES  
... IODINE 132  
. NUCLIDES  
. ISOTOPES  
... IODINE ISOTOPES  
... IODINE 132  
... RADIOACTIVE ISOTOPES  
... IODINE 132

### IDOACETIC ACID

GS ACIDS  
. CARBOXYLIC ACIDS  
... FATTY ACIDS  
... ACETIC ACID  
... IODOACETIC ACID  
HALOGEN COMPOUNDS  
. IODINE COMPOUNDS  
... IODOACETIC ACID  
ORGANIC COMPOUNDS  
. CARBOXYLIC ACIDS  
... FATTY ACIDS  
... ACETIC ACID  
... IODOACETIC ACID

### ION ACCELERATORS

GS PARTICLE ACCELERATORS  
... ION ACCELERATORS  
RT ∞ ACCELERATORS  
SYNCHROTRONS

### ION ACOUSTIC WAVES

GS ELASTIC WAVES  
. SOUND WAVES  
... ION ACOUSTIC WAVES  
RT PLASMA OSCILLATIONS  
PLASMA WAVES  
WAVE PROPAGATION

### ION ATOM INTERACTIONS

GS PARTICLE INTERACTIONS  
... ION ATOM INTERACTIONS  
RT ATOMIC INTERACTIONS  
CHARGE EXCHANGE  
ELEMENTARY PARTICLE INTERACTIONS  
∞ INTERACTIONS

### ION BEAMS

GS BEAMS (RADIATION)  
. PARTICLE BEAMS  
... ION BEAMS  
ION CURRENTS  
... ION BEAMS  
RT ATOMIC BEAMS  
BEAM INJECTION  
BEAM NEUTRALIZATION  
INERTIAL FUSION (REACTOR)  
MOLECULAR BEAMS

### ION CHAMBERS

USE IONIZATION CHAMBERS

### ION CHARGE

GS ELECTRIC CHARGE  
... ION CHARGE

### ION CHARGE-(CONT.)

RT CHARGE EXCHANGE  
CHARGED PARTICLES  
IONIZATION  
VALENCE

### ION CONCENTRATION

RT ACIDITY  
∞ BASES  
EARTH IONOSPHERE  
PH FACTOR  
TITRATION

### ION CURRENTS

UF IONIC CONDUCTIVITY  
GS ION CURRENTS  
... ION BEAMS  
RT SOLIONS

### ION CYCLOTRON RADIATION

GS ELECTROMAGNETIC RADIATION  
. NONTHERMAL RADIATION  
... CYCLOTRON RADIATION  
... ION CYCLOTRON RADIATION  
RT CYCLOTRON RESONANCE  
IONIC WAVES  
MAGNETIC PUMPING  
PLASMA RADIATION  
PLASMA WAVES  
∞ RADIATION

### ION DENSITY (CONCENTRATION)

GS DENSITY (NUMBER/VOLUME)  
. PARTICLE DENSITY (CONCENTRATION)  
... ION DENSITY (CONCENTRATION)  
... IONOSPHERIC ION DENSITY  
... MAGNETOSPHERIC ION DENSITY  
... MAGNETOSPHERIC PROTON  
DENSITY  
... PROTON DENSITY  
(CONCENTRATION)  
... MAGNETOSPHERIC PROTON  
DENSITY  
RT ATMOSPHERIC DENSITY  
ATOM CONCENTRATION  
COSMIC RAYS  
EARTH IONOSPHERE  
ELECTRON DENSITY (CONCENTRATION)  
GERDIEN CONDENSERS  
IONIZATION  
IONOGRAMS  
PLASMA DENSITY  
POSITIVE IONS  
SAHA EQUATIONS  
SPACE DENSITY

### ION DISTRIBUTION

GS DISTRIBUTION (PROPERTY)  
... ION DISTRIBUTION  
RT CHARGE DISTRIBUTION  
CURRENT DISTRIBUTION  
ELECTROHYDRODYNAMICS  
IONIC MOBILITY  
SPATIAL DISTRIBUTION  
VERTICAL DISTRIBUTION

### ION EMISSION

GS EMISSION  
. PARTICLE EMISSION  
... ION EMISSION  
RT IONIZATION  
THERMIONIC EMISSION  
THERMIONICS

### ION ENGINES

UF IONIC PROPELLANTS  
THERMIONIC REACTORS  
GS ENGINES  
. ROCKET ENGINES  
... ELECTRIC ROCKET ENGINES  
... ION ENGINES  
... CESIUM ENGINES  
... MERCURY ION ENGINES  
... RIT ENGINES  
RT ARC JET ENGINES  
BEAM SWITCHING  
ELECTROSTATIC ENGINES  
ELECTROTHERMAL ENGINES  
IONIZERS  
NUCLEAR ROCKET ENGINES  
PLASMA ENGINES  
RESTARTABLE ROCKET ENGINES  
SPACE STATION PROPULSION  
SUSTAINER ROCKET ENGINES  
∞ THRUSTORS

**ION EXCHANGE MEMBRANE ELECTROLYTES**

GS CONDUCTORS  
 . ELECTROLYTES  
 . . ION EXCHANGE MEMBRANE  
 ELECTROLYTES  
 MEMBRANES  
 . ION EXCHANGE MEMBRANE  
 ELECTROLYTES  
 RT FUEL CELLS  
 SEPARATORS

**ION EXCHANGE RESINS**

GS RESINS  
 . ION EXCHANGE RESINS  
 RT PLASTICS  
 ZEOLITES

**ION EXCHANGING**

GS EXCHANGING  
 . ION EXCHANGING  
 RT BEDS (PROCESS ENGINEERING)  
 CHARGE TRANSFER  
 DEMINERALIZING  
 GLASS ELECTRODES  
 HYDROMETALLURGY  
 ISOTOPE SEPARATION  
 KAOLINITE  
 METATHESIS  
 ∞ SEPARATION  
 SOFTENING  
 WATER TREATMENT

**ION EXTRACTION**

GS EXTRACTION  
 . ION EXTRACTION  
 RT ISOTOPE SEPARATION  
 ∞ SEPARATION  
 SOLVENT EXTRACTION

**ION GAGES**

USE IONIZATION GAGES

**ION IMPACT**

GS IMPACT  
 . ION IMPACT  
 RT ELECTRON IMPACT  
 POINT IMPACT  
 RECOIL IONS  
 TOROIDS  
 TOWNSEND AVALANCHE  
 TOWNSEND DISCHARGE

**ION IMPLANTATION**

GS IMPLANTATION  
 . ION IMPLANTATION  
 RT AVALANCHE DIODES  
 CARRIER MOBILITY  
 DIODES  
 FIELD EFFECT TRANSISTORS  
 INTEGRATED CIRCUITS  
 IONS  
 ITO (SEMICONDUCTORS)  
 JUNCTION TRANSISTORS  
 METAL IONS  
 METAL OXIDE SEMICONDUCTORS  
 MICROELECTRONICS  
 MODFETS  
 MODULATION DOPING  
 MOM (SEMICONDUCTORS)  
 PHOTODIODES  
 SEMICONDUCTOR DEVICES  
 TRANSISTORS

**ION INJECTION**

GS INJECTION  
 . ION INJECTION  
 RT CARRIER INJECTION  
 IONIC MOBILITY  
 PLASMA ACCELERATORS  
 PLASMA GENERATORS  
 PLASMA JETS

**ION IRRADIATION**

GS IRRADIATION  
 . ION IRRADIATION  
 . . DEUTERON IRRADIATION  
 . . PROTON IRRADIATION  
 RT AURORAL IRRADIATION  
 ELECTRON IRRADIATION  
 IONIC COLLISIONS  
 NEUTRON IRRADIATION

**ION MICROSCOPES**

GS MICROSCOPES

**ION MICROSCOPES-(CONT.)**

RT . ION MICROSCOPES  
 ELECTRON MICROSCOPES  
 ELECTRON MICROSCOPY

**ION MOTION**

RT IONIC WAVES  
 ∞ MOTION  
 PENNING DISCHARGE  
 PLASMA COMPOSITION  
 PLASMA DIFFUSION

**ION OSCILLATION**

USE PLASMA OSCILLATIONS

**ION PLATING**

GS PLATING  
 . ION PLATING  
 RT IONS  
 METAL COATINGS  
 METAL IONS  
 SPUTTERING  
 THIN FILMS  
 VACUUM DEPOSITION

**ION PROBES**

GS MEASURING INSTRUMENTS  
 . ION PROBES  
 RT IONOSONDES  
 RADIO FREQUENCY IMPEDANCE  
 PROBES

**ION PRODUCTION RATES**

GS IONIZATION  
 . ION PRODUCTION RATES  
 RATES (PER TIME)  
 . ION PRODUCTION RATES  
 RT AVALANCHES  
 CHARGE EXCHANGE  
 RECOIL IONS  
 THERMIONIC CONVERTERS

**ION PROPULSION**

GS PROPULSION  
 . ELECTRIC PROPULSION  
 . . ELECTROSTATIC PROPULSION  
 . . . ION PROPULSION  
 . . LOW THRUST PROPULSION  
 . . ELECTROSTATIC PROPULSION  
 . . . ION PROPULSION  
 . SPACECRAFT PROPULSION  
 . . ELECTROSTATIC PROPULSION  
 . . . ION PROPULSION  
 RT DUOPLASMATRONS  
 ELECTROMAGNETIC PROPULSION  
 HIGH TEMPERATURE PROPELLANTS  
 NUCLEAR ELECTRIC PROPULSION  
 PLASMA PROPULSION

**ION PUMPS**

GS PUMPS  
 . VACUUM PUMPS  
 . . ION PUMPS  
 VACUUM APPARATUS  
 . VACUUM PUMPS  
 . . ION PUMPS  
 RT GETTERS

**ION RECOMBINATION**

GS CHEMICAL REACTIONS  
 . ION RECOMBINATION  
 RECOMBINATION REACTIONS  
 . ION RECOMBINATION  
 RT ATOMIC RECOMBINATION  
 DEIONIZATION  
 ELECTRON RECOMBINATION  
 ELECTRON-ION RECOMBINATION  
 RECOMBINATION COEFFICIENT

**ION SCATTERING**

GS SCATTERING  
 . ION SCATTERING  
 RT ELECTRON SCATTERING  
 IONIC COLLISIONS  
 IONIC DIFFUSION  
 PROTON SCATTERING  
 RECOIL IONS

**ION SELECTIVE ELECTRODES**

GS ELECTRODES  
 . ION SELECTIVE ELECTRODES  
 RT CHEMICAL ANALYSIS

**ION SHEATHS**

GS SHEATHS  
 . ION SHEATHS  
 RT PLASMA CLOUDS  
 PLASMA PROBES  
 PLASMA SHEATHS

**ION SOURCES**

GS ION SOURCES  
 . PLASMATRONS  
 . . DUOPLASMATRONS  
 RT ELECTRON SOURCES  
 IONIZATION  
 IONIZING RADIATION  
 LINEAR ACCELERATORS  
 PARTICLE ACCELERATORS  
 PLASMA GENERATORS  
 RADIATION SOURCES  
 ∞ SOURCES  
 SPUTTERING

**ION SPECTROMETERS**

USE MASS SPECTROMETERS

**ION STORAGE**

RT FREQUENCY STANDARDS  
 ∞ STORAGE  
 TRAPPING

**ION STRIPPING**

RT HEAVY IONS  
 PARTICLE BEAMS  
 PARTICLE DENSITY (CONCENTRATION)  
 PARTICLES  
 ∞ SEPARATION  
 ∞ STRIPPING

**ION TEMPERATURE**

GS TEMPERATURE  
 . ION TEMPERATURE  
 RT AURORAL TEMPERATURE  
 IONOSPHERIC TEMPERATURE  
 PLASMA TEMPERATURE  
 SPACE TEMPERATURE  
 SPECIFIC HEAT

**ION TRAPS (INSTRUMENTATION)**

GS MEASURING INSTRUMENTS  
 . ION TRAPS (INSTRUMENTATION)  
 TRAPS  
 . ION TRAPS (INSTRUMENTATION)  
 RT RADIATION COUNTERS  
 VAPOR TRAPS

**ION-GAS INTERACTIONS**

USE GAS-ION INTERACTIONS

**IONIC COLLISIONS**

GS COLLISIONS  
 . IONIC COLLISIONS  
 RT ATOMIC COLLISIONS  
 ION IRRADIATION  
 ION SCATTERING  
 PARTICLE COLLISIONS  
 RECOIL IONS

**IONIC CONDUCTIVITY**

USE ION CURRENTS

**IONIC CRYSTALS**

GS CRYSTALS  
 . IONIC CRYSTALS  
 RT CHEMICAL BONDS  
 CRYSTAL LATTICES  
 EXCITONS  
 POLARONS

**IONIC DIFFUSION**

GS DIFFUSION  
 . PARTICLE DIFFUSION  
 . . IONIC DIFFUSION  
 RT AMBIPOLAR DIFFUSION  
 DIFFUSION WAVES  
 ELECTRON DIFFUSION  
 ION SCATTERING  
 PLASMA DIFFUSION  
 SELF DIFFUSION (SOLID STATE)

**IONIC MOBILITY**

GS MOBILITY  
 . IONIC MOBILITY  
 TRANSPORT PROPERTIES  
 . IONIC MOBILITY  
 RT AMBIPOLAR DIFFUSION

## IONIC PROPELLANTS

### IONIC MOBILITY-(CONT.)

- ANIONS
- ATOMIC MOBILITIES
- CATIONS
- ELECTROHYDRODYNAMICS
- ELECTROLYSIS
- ELECTROLYTIC CELLS
- ELECTROMIGRATION
- ION DISTRIBUTION
- ION INJECTION
- IONS
- ∞ MOTION
- NDM SEMICONDUCTOR DEVICES
- NEGATIVE IONS
- POSITIVE IONS

### IONIC PROPELLANTS

- USE ION ENGINES

### IONIC REACTIONS

- RT CHARGE TRANSFER
- MOLECULAR INTERACTIONS

### IONIC WAVES

- GS ELASTIC WAVES
- IONIC WAVES
- RT COLLISIONLESS PLASMAS
- ELECTROSTATIC WAVES
- ION CYCLOTRON RADIATION
- ION MOTION
- IONOSPHERIC CONDUCTIVITY
- IONOSPHERIC PROPAGATION
- PLASMA WAVES
- ∞ WAVES

### IONIZATION

- UF ELECTRON IONIZATION
- GS IONIZATION
- AUTOIONIZATION
- GAS IONIZATION
- ATMOSPHERIC IONIZATION
- AURORAL IONIZATION
- FLAME IONIZATION
- ION PRODUCTION RATES
- NONEQUILIBRIUM IONIZATION
- PHOTOIONIZATION
- SURFACE IONIZATION
- RT ATOMIC COLLISIONS
- ATOMIC EXCITATIONS
- CORONAS
- DISINTEGRATION
- DISSOCIATION
- ELECTRIC ARCS
- ELECTRIC CORONA
- ELECTRIC DISCHARGES
- ELECTRIC SPARKS
- ELECTRON ATTACHMENT
- EXCITATION
- ION CHARGE
- ION DENSITY (CONCENTRATION)
- ION EMISSION
- ION SOURCES
- IONOSPHERIC COMPOSITION
- MAGNETOHYDRODYNAMICS
- MOLECULAR EXCITATION
- OXYGEN RECOMBINATION
- SCHWARZSCHILD METRIC
- SINGLE EVENT UPSETS
- STELLAR CORONAS
- THERMAL DISSOCIATION

### IONIZATION CHAMBERS

- UF ION CHAMBERS
- IONIZATION COUNTERS
- GS IONIZATION CHAMBERS
- BUBBLE CHAMBERS
- CLOUD CHAMBERS
- GEIGER COUNTERS
- PROPORTIONAL COUNTERS
- SPARK CHAMBERS
- RT ∞ CHAMBERS
- COUNTERS
- DOSIMETERS
- ELECTRON COUNTERS
- IONIZERS
- NEUTRON COUNTERS
- RADIATION COUNTERS
- RADIATION MEASURING INSTRUMENTS
- THRESHOLD DETECTORS (DOSIMETERS)

### IONIZATION COEFFICIENTS

- GS COEFFICIENTS
- IONIZATION COEFFICIENTS

### IONIZATION COUNTERS

- USE IONIZATION CHAMBERS
- RADIATION COUNTERS

### IONIZATION CROSS SECTIONS

- RT ABSORPTION CROSS SECTIONS
- ∞ CROSS SECTIONS
- NONADIABATIC THEORY
- SCATTERING CROSS SECTIONS

### IONIZATION FREQUENCIES

- GS FREQUENCIES
- IONIZATION FREQUENCIES

### IONIZATION GAGES

- UF ION GAGES
- GS MEASURING INSTRUMENTS
- PRESSURE GAGES
- VACUUM GAGES
- IONIZATION GAGES
- ALPHATRONS
- BAYARD-ALPERT IONIZATION GAGES
- PENNING GAGES
- PHILIPS IONIZATION GAGES
- VACUUM APPARATUS
- VACUUM GAGES
- IONIZATION GAGES
- ALPHATRONS
- BAYARD-ALPERT IONIZATION GAGES
- PENNING GAGES
- PHILIPS IONIZATION GAGES
- RT HOT CATHODES
- KNUDSEN GAGES
- MCLEOD GAGES
- ORBITRONS
- PIRANI GAGES
- PRESSURE MEASUREMENT

### IONIZATION POTENTIALS

- GS POTENTIAL ENERGY
- IONIZATION POTENTIALS
- RT ACTIVATION
- ELECTRIC POTENTIAL
- NUCLEAR BINDING ENERGY
- ∞ POTENTIAL
- SAHA EQUATIONS
- WORK FUNCTIONS

### IONIZED GASES

- SN (LIMITED TO PARTIALLY IONIZED GASES; SEE PLASMAS (PHYSICS) FOR COMPLETELY IONIZED MATTER)
- GS GASES
- IONIZED GASES
- LORENTZ GAS
- PARTICLES
- CHARGED PARTICLES
- IONIZED GASES
- LORENTZ GAS
- RT COSMIC GASES
- ELECTRON GAS
- FOKKER-PLANCK EQUATION
- GAS IONIZATION
- GAS TEMPERATURE
- H II REGIONS
- HIGH TEMPERATURE GASES
- PLASMAS (PHYSICS)
- RECOMBINATION COEFFICIENT

### IONIZED PLASMAS

- USE PLASMAS (PHYSICS)

### IONIZERS

- RT ∞ FILAMENTS
- GAS IONIZATION
- GRIDS
- ION ENGINES
- IONIZATION CHAMBERS
- SURFACE IONIZATION
- TUBE GRIDS

### IONIZING RADIATION

- GS IONIZING RADIATION
- ALPHA PARTICLES
- BETA PARTICLES
- COSMIC RAYS
- COSMIC RAY SHOWERS
- GALACTIC COSMIC RAYS
- GAMMA RAY BURSTS
- PRIMARY COSMIC RAYS
- SOLAR COSMIC RAYS
- SECONDARY COSMIC RAYS
- GAMMA RAY BEAMS

### IONIZING RADIATION-(CONT.)

- GAMMA RAYS
- GAMMA RAY BURSTS
- ULTRAVIOLET RADIATION
- EXTREME ULTRAVIOLET RADIATION
- FAR ULTRAVIOLET RADIATION
- LYMAN ALPHA RADIATION
- LYMAN BETA RADIATION
- NEAR ULTRAVIOLET RADIATION
- X RAYS
- COSMIC X RAYS
- SOLAR X-RAYS
- RT ABSORPTION SPECTRA
- AVALANCHES
- BEAMS (RADIATION)
- COHERENT ELECTROMAGNETIC RADIATION
- CORPUSCULAR RADIATION
- ELECTROMAGNETIC RADIATION
- ELECTRON BEAMS
- ELEMENTARY PARTICLES
- EMISSION
- FLUENCE
- GAMMA RAY ABSORPTION
- GAMMA RAY SPECTRA
- ION SOURCES
- IRRADIATION
- LINEAR ENERGY TRANSFER (LET)
- MONOCHROMATIC RADIATION
- NUCLEAR RADIATION
- PARTICLE TRAJECTORIES
- ∞ RADIATION
- RADIATION BELTS
- RADIATION COUNTERS
- RADIATION DAMAGE
- RADIATION HAZARDS
- RADIOACTIVE MATERIALS
- RADIOACTIVITY
- RADIOCHEMISTRY
- RELATIVISTIC ELECTRON BEAMS
- SOLAR RADIATION
- STERILIZATION
- SYSTEM GENERATED
- ELECTROMAGNETIC PULSES

### IONOGRAMS

- RT ION DENSITY (CONCENTRATION)
- IONOSONDES
- RIOMETERS

### IONOPAUSE

- SN (EXCLUDES PLASMAPAUSE)
- RT COMETARY ATMOSPHERES
- PLANETARY ATMOSPHERES
- PLASMAPAUSE
- SPACE PLASMAS
- VENUS ATMOSPHERE

### IONOSONDES

- GS MEASURING INSTRUMENTS
- METEOROLOGICAL INSTRUMENTS
- RADIOSONDES
- IONOSONDES
- SONDES
- RADIOSONDES
- IONOSONDES
- RADIO EQUIPMENT
- RADIO TRANSMITTERS
- RADIOSONDES
- IONOSONDES
- TRANSMITTERS
- RADIO TRANSMITTERS
- RADIOSONDES
- IONOSONDES
- RT ION PROBES
- IONOGRAMS
- IONOSPHERIC SOUNDING
- RIOMETERS
- SATELLITE SOUNDING
- SOUNDING ROCKETS

### IONOSPHERE EXPLORER A

- USE EXPLORER 20 SATELLITE

### IONOSPHERE-MAGNETOSPHERE COUPLING

- USE MAGNETOSPHERE-IONOSPHERE COUPLING

### IONOSPHERES

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
- RT EARTH IONOSPHERE
- MAGNETOSPHERE-IONOSPHERE COUPLING

**IONOSPHERES-(CONT.)**

PLANETARY IONOSPHERES

**IONOSPHERIC ABSORPTION**USE ELECTROMAGNETIC ABSORPTION  
IONOSPHERIC PROPAGATION**IONOSPHERIC BLACKOUT**

USE BLACKOUT (PROPAGATION)

**IONOSPHERIC COMPOSITION**GS COMPOSITION (PROPERTY)  
. ATMOSPHERIC COMPOSITION  
. . . **IONOSPHERIC COMPOSITION**  
RT ATOM CONCENTRATION  
CHEMICAL COMPOSITION  
GAS COMPOSITION  
IONIZATION  
PARTICLE DENSITY (CONCENTRATION)  
PLASMA COMPOSITION  
SATELLITE ATMOSPHERES**IONOSPHERIC CONDUCTIVITY**GS ELECTRICAL PROPERTIES  
. ELECTRICAL RESISTIVITY  
. . . **IONOSPHERIC CONDUCTIVITY**  
TRANSPORT PROPERTIES  
. ATMOSPHERIC CONDUCTIVITY  
. . . **IONOSPHERIC CONDUCTIVITY**  
. ELECTRICAL RESISTIVITY  
. . . **IONOSPHERIC CONDUCTIVITY**  
RT  $\infty$  CONDUCTIVITY  
ELECTROJETS  
IONIC WAVES  
PLASMA CONDUCTIVITY**IONOSPHERIC CROSS MODULATION**GS ELECTROMAGNETIC INTERFERENCE  
. CROSSTALK  
. . . **IONOSPHERIC CROSS MODULATION**  
. RADIO FREQUENCY INTERFERENCE  
. . . **IONOSPHERIC CROSS MODULATION**  
MODULATION  
. **IONOSPHERIC CROSS MODULATION**  
RT LUXEMBOURG EFFECT**IONOSPHERIC CURRENTS**GS ELECTRIC CURRENT  
. **IONOSPHERIC CURRENTS**  
. . . ELECTROJETS  
. . . AURORAL ELECTROJETS  
. . . EQUATORIAL ELECTROJET  
ELECTRICITY  
. ATMOSPHERIC ELECTRICITY  
. . . **IONOSPHERIC CURRENTS**  
. . . ELECTROJETS  
. . . AURORAL ELECTROJETS  
. . . EQUATORIAL ELECTROJET  
RT PLASMA CURRENTS  
TRAVELING IONOSPHERIC  
DISTURBANCES**IONOSPHERIC DISTURBANCES**GS **IONOSPHERIC DISTURBANCES**  
. IONOSPHERIC STORMS  
. . . SUDDEN IONOSPHERIC  
DISTURBANCES  
. TRAVELING IONOSPHERIC  
DISTURBANCES  
RT BLACKOUT (PROPAGATION)  
 $\infty$  DISTURBANCES  
IONOSPHERIC NOISE  
MAGNETIC VARIATIONS**IONOSPHERIC DRIFT**RT  $\infty$  DRIFT  
DRIFT RATE  
ELECTROJETS  
MAGNETIC RIGIDITY  
POLARIZATION (CHARGE SEPARATION)  
RADIATION BELTS**IONOSPHERIC ELECTRON DENSITY**GS DENSITY (NUMBER/VOLUME)  
. PARTICLE DENSITY (CONCENTRATION)  
. . . ELECTRON DENSITY  
(CONCENTRATION)  
. . . **IONOSPHERIC ELECTRON DENSITY**  
RT ARIEL 4 SATELLITE  
MAGNETOSPHERIC ELECTRON DENSITY**IONOSPHERIC F-SCATTER PROPAGATION**GS SCATTERING  
. WAVE SCATTERING**IONOSPHERIC F-SCATTER-(CONT.)**. . . ELECTROMAGNETIC SCATTERING  
. . . **IONOSPHERIC F-SCATTER**  
PROPAGATION  
TRANSMISSION  
. ELECTROMAGNETIC WAVE  
TRANSMISSION  
. . . RADIO TRANSMISSION  
. . . IONOSPHERIC PROPAGATION  
. . . . **IONOSPHERIC F-SCATTER**  
PROPAGATION  
. . . SCATTER PROPAGATION  
. . . **IONOSPHERIC F-SCATTER**  
PROPAGATION  
. SIGNAL TRANSMISSION  
. . . RADIO TRANSMISSION  
. . . IONOSPHERIC PROPAGATION  
. . . . **IONOSPHERIC F-SCATTER**  
PROPAGATION  
. WAVE PROPAGATION  
. . . IONOSPHERIC PROPAGATION  
. . . **IONOSPHERIC F-SCATTER**  
PROPAGATION  
. . . SCATTER PROPAGATION  
. . . **IONOSPHERIC F-SCATTER**  
PROPAGATION**IONOSPHERIC HEATING**GS HEATING  
. **IONOSPHERIC HEATING**  
RT ATMOSPHERIC RADIATION  
PLASMA HEATING**IONOSPHERIC ION DENSITY**GS DENSITY (NUMBER/VOLUME)  
. PARTICLE DENSITY (CONCENTRATION)  
. . . ION DENSITY (CONCENTRATION)  
. . . . **IONOSPHERIC ION DENSITY**  
RT MAGNETOSPHERIC ION DENSITY  
POSITIVE IONS**IONOSPHERIC NOISE**GS ATMOSPHERIC RADIATION  
. **IONOSPHERIC NOISE**  
. . . WHISTLERS  
ELECTROMAGNETIC INTERFERENCE  
. RADIO FREQUENCY INTERFERENCE  
. . . ELECTROMAGNETIC NOISE  
. . . **IONOSPHERIC NOISE**  
. . . . WHISTLERS  
RT BACKGROUND NOISE  
BACKGROUND RADIATION  
IONOSPHERIC DISTURBANCES  
RIOMETERS  
SKY WAVES**IONOSPHERIC PROPAGATION**UF IONOSPHERIC ABSORPTION  
IONOSPHERIC REFLECTION  
GS TRANSMISSION  
. ELECTROMAGNETIC WAVE  
TRANSMISSION  
. . . RADIO TRANSMISSION  
. . . **IONOSPHERIC PROPAGATION**  
. . . . **IONOSPHERIC F-SCATTER**  
PROPAGATION  
. SIGNAL TRANSMISSION  
. . . RADIO TRANSMISSION  
. . . **IONOSPHERIC PROPAGATION**  
. . . . **IONOSPHERIC F-SCATTER**  
PROPAGATION  
. WAVE PROPAGATION  
. . . **IONOSPHERIC PROPAGATION**  
. . . **IONOSPHERIC F-SCATTER**  
PROPAGATION  
RT ANTIPODES  
EARTH IONOSPHERE  
EISCAT RADAR SYSTEM (EUROPE)  
IONIC WAVES  
LOSSY MEDIA  
LUXEMBOURG EFFECT  
MAGNETOIONICS  
ORBIS  
ORBIS CAL SATELLITE  
POLAR RADIO BLACKOUT  
RIOMETERS  
SCATTER PROPAGATION  
SIGNAL MEASUREMENT  
TRAVELING IONOSPHERIC  
DISTURBANCES**IONOSPHERIC REFLECTION**

USE IONOSPHERIC PROPAGATION

**IONOSPHERIC SOUNDING**GS SOUNDING  
. **IONOSPHERIC SOUNDING**  
RT ALOUETTE PROJECT  
ALOUETTE 1 SATELLITE  
ALOUETTE 2 SATELLITE  
ARIEL 4 SATELLITE  
ATMOSPHERIC SOUNDING  
IONOSONDES  
ORBIS  
ORBIS CAL SATELLITE  
ROCKET SOUNDING  
SATELLITE SOUNDING**IONOSPHERIC STORMS**GS IONOSPHERIC DISTURBANCES  
. **IONOSPHERIC STORMS**  
. . . SUDDEN IONOSPHERIC  
DISTURBANCES  
STORMS  
. **IONOSPHERIC STORMS**  
. . . SUDDEN IONOSPHERIC  
DISTURBANCES  
RT  $\infty$  DISTURBANCES  
EARTH IONOSPHERE  
IONOSPHERICS  
NOISE STORMS  
SOLAR STORMS  
SPREAD F  
TRAVELING IONOSPHERIC  
DISTURBANCES**IONOSPHERIC TEMPERATURE**GS TEMPERATURE  
. ATMOSPHERIC TEMPERATURE  
. . . **IONOSPHERIC TEMPERATURE**  
RT AURORAL TEMPERATURE  
ELECTRON ENERGY  
ION TEMPERATURE**IONOSPHERIC TILTS**RT TRAVELING IONOSPHERIC  
DISTURBANCES**IONOSPHERICS**GS ELECTROMAGNETIC INTERFERENCE  
. RADIO FREQUENCY INTERFERENCE  
. . . ELECTROMAGNETIC NOISE  
. . . . ATMOSPHERICS  
. . . . **IONOSPHERICS**  
. . . . DAWN CHORUS  
. . . . HISS  
RT IONOSPHERIC STORMS  
RADIO AURORAS**IONS**GS **IONS**  
. CESIUM IONS  
. DEUTERONS  
. HEAVY IONS  
. HELIUM IONS  
. HYDROGEN IONS  
. LIGHT IONS  
. METAL IONS  
. FERRIC IONS  
. MANGANESE IONS  
. MOLECULAR IONS  
. FORMYL IONS  
. HYDRONIUM IONS  
. VANADYL RADICAL  
. NEGATIVE IONS  
. ANIONS  
. NITROGEN IONS  
. OXYGEN IONS  
. POSITIVE IONS  
. CATIONS  
. . . FORMYL IONS  
. . . VANADYL RADICAL  
. . . HYDRONIUM IONS  
. RECOIL IONS  
. TRITONS  
. TRIVALENT IONS  
RT ALPHA PARTICLES  
ATOMS  
CHEMICAL ELEMENTS  
CORPUSCULAR RADIATION  
ELECTROLYTES  
FREE RADICALS  
HYDROXYL RADICALS  
ION IMPLANTATION  
ION PLATING  
IONIC MOBILITY  
MOLECULES  
MONATOMIC MOLECULES  
NUCLEI (NUCLEAR PHYSICS)

## IOWA

### IONS-(CONT.)

PARTICLES  
PLASMAS (PHYSICS)  
POLYATOMIC MOLECULES  
PROTONS  
VALENCE

### IOWA

GS NATIONS  
UNITED STATES  
IOWA  
RT CEDAR RAPIDS (IA)  
MISSOURI RIVER (US)

### IP (IMPACT PREDICTION)

USE COMPUTERIZED SIMULATION

### IPAD

SN (INTEGRATED PROGRAM FOR  
AEROSPACE VEHICLE DESIGN)  
UF INTEG PROGRAM FOR AEROSPACE VEH  
DESIGN  
GS COMPUTER TECHNIQUES  
COMPUTER AIDED DESIGN  
IPAD  
SPACECRAFT DESIGN  
IPAD  
RT DESIGN

### IQSY (INTERNATIONAL YEAR)

USE INTERNATIONAL QUIET SUN YEAR

### IRAN

GS NATIONS  
IRAN  
RT ASIA

### IRAQ

GS NATIONS  
IRAQ  
RT ASIA

### IRAS

USE INFRARED ASTRONOMY SATELLITE

### IRAS-ARAKI-ALCOCK COMET

GS CELESTIAL BODIES  
COMETS  
IRAS-ARAKI-ALCOCK COMET  
RT INFRARED ASTRONOMY SATELLITE  
SOLAR SYSTEM

### IRASERS

USE INFRARED LASERS

### IRBM (MISSILES)

USE INTERMEDIATE RANGE BALLISTIC  
MISSILES

### IRELAND

GS LANDFORMS  
ISLANDS  
IRELAND  
NATIONS  
IRELAND

### IRIDESCENCE

GS ELECTROMAGNETIC PROPERTIES  
OPTICAL PROPERTIES  
COLOR  
IRIDESCENCE  
RT OPALESCENCE

### IRIDIUM

GS CHEMICAL ELEMENTS  
IRIDIUM  
IRIDIUM ISOTOPES  
METALS  
REFRACTORY METALS  
IRIDIUM  
IRIDIUM ISOTOPES  
TRANSITION METALS  
IRIDIUM  
IRIDIUM ISOTOPES  
REFRACTORY MATERIALS  
REFRACTORY METALS  
IRIDIUM  
IRIDIUM ISOTOPES

### IRIDIUM ISOTOPES

GS CHEMICAL ELEMENTS  
IRIDIUM  
IRIDIUM ISOTOPES  
NUCLIDES

### IRIDIUM ISOTOPES-(CONT.)

ISOTOPES  
IRIDIUM ISOTOPES  
METALS  
REFRACTORY METALS  
IRIDIUM  
IRIDIUM ISOTOPES  
TRANSITION METALS  
IRIDIUM  
IRIDIUM ISOTOPES  
REFRACTORY MATERIALS  
REFRACTORY METALS  
IRIDIUM  
IRIDIUM ISOTOPES

### IRIS SATELLITES

GS ARTIFICIAL SATELLITES  
IRIS SATELLITES  
RT EUROPEAN SPACE PROGRAMS  
SATELLITE OBSERVATION  
SOLAR ACTIVITY  
SOLAR CYCLES  
SOLAR ENERGY  
SOLAR FLARES  
SOLAR RADIATION  
SOLAR SENSORS

### IRISES (MECHANICAL APERTURES)

GS OPENINGS  
APERTURES  
IRISES (MECHANICAL APERTURES)  
RT CAMERA SHUTTERS  
WAVEGUIDE WINDOWS  
WAVEGUIDES

### IRON

GS CHEMICAL ELEMENTS  
IRON  
IRON ISOTOPES  
IRON 57  
IRON 58  
IRON 59  
METALS  
TRANSITION METALS  
IRON  
IRON ISOTOPES  
IRON 57  
IRON 58  
IRON 59  
RT FERRIC IONS  
FERROUS METALS  
HYDROGEN EMBRITTLEMENT  
LOW CARBON STEELS

### IRON ALLOYS

UF FERROALLOYS  
GS ALLOYS  
IRON ALLOYS  
STEELS  
BAINITIC STEEL  
CARBON STEELS  
LOW CARBON STEELS  
CHROMIUM STEELS  
CROLOY  
HIGH STRENGTH STEELS  
MARAGING STEELS  
NICKEL STEELS  
STAINLESS STEELS  
AUSTENITIC STAINLESS STEELS  
FERRITIC STAINLESS STEELS  
MARTENSITIC STAINLESS STEELS  
RT AUSTENITE  
BAINITE  
BEARING ALLOYS  
CEMENTITE  
FERRITES  
HASTELLOY (TRADEMARK)  
INCONEL (TRADEMARK)  
KAMACITE  
MARTENSITE  
NIMONIC ALLOYS  
PEARLITE  
PERMALLOYS (TRADEMARK)  
SILICON ALLOYS  
ZIRCALOYS (TRADEMARK)

### IRON CHLORIDES

GS HALOGEN COMPOUNDS  
CHLORINE COMPOUNDS  
CHLORIDES  
IRON CHLORIDES  
HALIDES  
CHLORIDES  
IRON CHLORIDES  
METAL HALIDES

### IRON CHLORIDES-(CONT.)

IRON CHLORIDES  
IRON COMPOUNDS  
IRON CHLORIDES

### IRON COMPOUNDS

GS IRON COMPOUNDS  
COHENITE  
CORDIERITE  
FAYALITE  
FERRATES  
BARIUM FERRATES  
FERRITES  
FERROCENES  
ALKYLFERROCENE  
IRON CHLORIDES  
IRON CYANIDES  
IRON OXIDES  
HEMATITE  
ILMENITE  
MAGNETITE  
LIMONITE  
PYRITES  
PYRRHOTITE  
TROILITE  
SCHREIBERSITE  
SIDERITES  
RT CHEMICAL COMPOUNDS  
GROUP 8 COMPOUNDS  
METAL COMPOUNDS

### IRON CYANIDES

GS CYANIDES  
IRON CYANIDES  
IRON COMPOUNDS  
IRON CYANIDES

### IRON ISOTOPES

GS CHEMICAL ELEMENTS  
IRON  
IRON ISOTOPES  
IRON 57  
IRON 58  
IRON 59  
NUCLIDES  
ISOTOPES  
IRON ISOTOPES  
IRON 57  
IRON 58  
IRON 59  
METALS  
TRANSITION METALS  
IRON  
IRON ISOTOPES  
IRON 57  
IRON 58  
IRON 59  
RT FERROUS METALS

### IRON METEORITES

UF SIDERITE METEORITES  
GS CELESTIAL BODIES  
METEORITES  
IRON METEORITES  
AROOS METEORITE  
ODESSA METEORITE  
SIKHOTE-LIN METEORITE  
RT ACHONDrites  
HARLETON METEORITE  
KAMACITE  
LAZAREV METEORITE  
METEORITIC COMPOSITION  
METEORITIC MICROSTRUCTURES  
OKHANSK METEORITE  
SCHREIBERSITE  
STONY METEORITES  
TROILITE  
WIDMANSTATTEN STRUCTURE

### IRON ORES

GS MINERALS  
IRON ORES  
HEMATITE

### IRON OXIDES

GS CHALCOGENIDES  
OXIDES  
METAL OXIDES  
IRON OXIDES  
HEMATITE  
ILMENITE  
MAGNETITE  
IRON COMPOUNDS  
IRON OXIDES  
HEMATITE

**IRON OXIDES-(CONT.)**

.. ILMENITE  
.. MAGNETITE

**IRON 57**

GS CHEMICAL ELEMENTS  
.. IRON  
.. IRON ISOTOPES  
.. **IRON 57**  
.. NUCLIDES  
.. ISOTOPES  
.. IRON ISOTOPES  
.. **IRON 57**  
METALS  
.. TRANSITION METALS  
.. IRON  
.. IRON ISOTOPES  
.. **IRON 57**

**IRON 58**

GS CHEMICAL ELEMENTS  
.. IRON  
.. IRON ISOTOPES  
.. **IRON 58**  
.. NUCLIDES  
.. ISOTOPES  
.. IRON ISOTOPES  
.. **IRON 58**  
METALS  
.. TRANSITION METALS  
.. IRON  
.. IRON ISOTOPES  
.. **IRON 58**

**IRON 59**

GS CHEMICAL ELEMENTS  
.. IRON  
.. IRON ISOTOPES  
.. **IRON 59**  
.. NUCLIDES  
.. ISOTOPES  
.. IRON ISOTOPES  
.. **IRON 59**  
.. RADIOACTIVE ISOTOPES  
.. **IRON 59**  
METALS  
.. TRANSITION METALS  
.. IRON  
.. IRON ISOTOPES  
.. **IRON 59**

**IROQUOIS HELICOPTER**

USE UH-1 HELICOPTER

**IRRADIANCE**

SN (LIMITED TO DETECTION RATE PER  
UNIT AREA OF RADIATION)  
GS RATES (PER TIME)  
.. FLUX DENSITY  
.. RADIANT FLUX DENSITY  
.. **IRRADIANCE**  
.. ILLUMINANCE  
.. SOLAR CONSTANT  
RT ELECTRON FLUX DENSITY  
LUMINANCE  
LUMINOUS INTENSITY  
NEUTRON FLUX DENSITY  
PROTON FLUX DENSITY  
RADIANCE  
SOLAR BACKSCATTER UV  
SPECTROMETER  
SOLAR FLUX DENSITY

**IRRADIATION**

GS **IRRADIATION**  
.. AURORAL IRRADIATION  
.. ELECTRON IRRADIATION  
.. ION IRRADIATION  
.. DEUTERON IRRADIATION  
.. PROTON IRRADIATION  
.. NEUTRON IRRADIATION  
.. X RAY IRRADIATION  
RT ACTIVATION  
BEAMS (RADIATION)  
∞ BOMBARDMENT  
DOSIMETERS  
ELECTROMAGNETIC ABSORPTION  
ELECTRON PROBES  
EMISSION  
EXCITATION  
EXPOSURE  
FLUX DENSITY  
IONIZING RADIATION  
LASER INDUCED FLUORESCENCE  
NUCLEAR CAPTURE

**IRRADIATION-(CONT.)**

NUCLEAR FUSION  
NUCLEAR RADIATION  
PRESERVING  
∞ RADIATION  
RADIATION DOSAGE  
RADIATION EFFECTS  
RADIATION MEASUREMENT  
RADIATION TOLERANCE  
RADIOBIOLOGY  
RADIOGRAPHY  
TARGETS

**IRRATIONALITY**

RT DISORIENTATION  
DITHERS  
MENTAL PERFORMANCE  
PREJUDICES  
PSYCHOSES  
SCHIZOPHRENIA

**IRREGULAR GALAXIES**

GS CELESTIAL BODIES  
.. GALAXIES  
.. **IRREGULAR GALAXIES**  
RT BL LACERTAE OBJECTS  
GALACTIC RADIATION  
GALACTIC ROTATION  
GALACTIC STRUCTURE  
GUM NEBULA  
HUBBLE CONSTANT  
HUBBLE DIAGRAM  
NEBULAE  
ORION NEBULA  
QUASARS  
RADIO SOURCES (ASTRONOMY)  
RED SHIFT  
STAR CLUSTERS  
STARS

**IRREGULAR VARIABLE STARS**

GS CELESTIAL BODIES  
.. STARS  
.. VARIABLE STARS  
.. **IRREGULAR VARIABLE STARS**  
.. R CORONAE BOREALIS STARS  
RT CARBON STARS  
SEMIREGULAR VARIABLE STARS

**IRREGULARITIES**

RT ABNORMALITIES  
DEFECTS  
DEVIATION  
NONUNIFORMITY

**IRREVERSIBLE PROCESSES**

RT NONEQUILIBRIUM THERMODYNAMICS  
ONSAGER RELATIONSHIP  
REACTION KINETICS  
THERMODYNAMICS  
THERMOVISCOELASTICITY  
VARIATIONAL PRINCIPLES

**IRRIGATION**

RT AGRICULTURE  
ALFALFA  
BARLEY  
CANALS  
CITRUS TREES  
CORN  
CROP VIGOR  
DITCHES  
DRAINAGE  
DRAINAGE PATTERNS  
FARM CROPS  
FARMLANDS  
OATS  
ORCHARDS  
PONDS  
SEEPAGE  
SUGAR BEETS  
SUGAR CANE  
TROUGHES  
VEGETATION GROWTH  
VINEYARDS  
WATER CONSUMPTION

**IRRITATION**

GS **IRRITATION**  
.. TOXICITY AND SAFETY HAZARD  
RT ∞ REACTION

**IRROTATIONAL FLOW**

USE POTENTIAL FLOW

**IRS (INDIAN SPACECRAFT)**

USE INDIAN SPACECRAFT

**ISAGEX**

USE INTERNATIONAL SATELLITE GEODESY  
EXPERIMENT

**ISCHEMIA**

RT ANEMIAS  
BLOOD CIRCULATION  
CONGESTION  
VASOCONSTRICTION

**ISEE**

USE INTERNATIONAL SUN EARTH  
EXPLORERS

**ISENTROPE**

RT ADIABATIC CONDITIONS  
ISENTROPIC PROCESSES  
MOLLIER DIAGRAM  
POISSON EQUATION

**ISENTROPIC PROCESSES**

GS **ISENTROPIC PROCESSES**  
.. NONISENTROPICITY  
RT BERNOLLI THEOREM  
ISENTROPE  
ISOENERGETIC PROCESSES  
ISOPYCNIC PROCESSES  
∞ PROCESSES  
THERMODYNAMIC EQUILIBRIUM

**ISING MODEL**

RT ANTIFERROMAGNETISM  
CRYSTAL LATTICES  
FERROMAGNETISM  
PARTICLE SPIN  
PHASE TRANSFORMATIONS  
STATISTICAL MECHANICS

**ISIS SATELLITES**

SN (INTERNATIONAL SATELLITES FOR  
IONOSPHERIC STUDY)  
UF INTERNATIONAL SATS FOR  
IONOSPHERIC STUDY  
GS ARTIFICIAL SATELLITES  
.. **ISIS SATELLITES**  
.. ALOUETTE 2 SATELLITE  
.. ISIS-A  
.. ISIS-B  
.. ISIS-X  
RT ALOUETTE SATELLITES

**ISIS-A**

GS ARTIFICIAL SATELLITES  
.. ISIS SATELLITES  
.. **ISIS-A**  
RT ALOUETTE PROJECT

**ISIS-B**

GS ARTIFICIAL SATELLITES  
.. ISIS SATELLITES  
.. **ISIS-B**

**ISIS-X**

GS ARTIFICIAL SATELLITES  
.. ISIS SATELLITES  
.. **ISIS-X**  
RT ALOUETTE B SATELLITE

**ISKRA AIRCRAFT**

USE TS-11 AIRCRAFT

**ISLAND ARCS**

GS LANDFORMS  
.. **ISLAND ARCS**  
RT ALEUTIAN ISLANDS (US)  
∞ ARCS  
BARRIERS (LANDFORMS)  
ISLANDS  
KEYS (ISLANDS)  
LAGOONS  
REEFS

**ISLANDS**

GS LANDFORMS  
.. **ISLANDS**  
.. ALEUTIAN ISLANDS (US)  
.. ASSATEAGUE ISLAND (MD-VA)  
.. ATOLLS  
.. BAHRAIN  
.. BERMUDA  
.. CANARY ISLANDS



## ISOBARS

### ISLANDS-(CONT.)

.. CYPRUS  
.. GREENLAND  
.. HAWAII  
.. ICELAND  
.. INDONESIA  
.. IRELAND  
.. KEYS (ISLANDS)  
.. LONG ISLAND (NY)  
.. MALAGASY REPUBLIC  
.. MALDIVE ISLANDS  
.. MALTA  
.. MERRITT ISLAND (FL)  
.. NEWFOUNDLAND  
.. NUNATAKS  
.. PACIFIC ISLANDS  
.. GUAM  
.. JAPAN  
.. JOHNSTON ISLAND  
.. KURILE ISLANDS  
.. NEW GUINEA (ISLAND)  
.. NEW ZEALAND  
.. PHILIPPINES  
.. SAMOA  
.. PRINCE EDWARD ISLAND  
.. SICILY  
.. TASMANIA  
.. WALLOPS ISLAND  
.. WEST INDIES  
.. BAHAMAS  
.. BARBADOS  
.. CUBA  
.. DOMINICA  
.. GUADELOUPE  
.. HAITI  
.. JAMAICA  
.. LESSER ANTILLES  
.. MARTINIQUE  
.. PUERTO RICO  
.. TRINIDAD AND TOBAGO  
.. VIRGIN ISLANDS  
RT ARCHIPELAGOES  
CAPE VERDE  
CORAL REEFS  
ISLAND ARCS  
LAGOONS  
OUTER BANKS (NC)  
REEFS  
SEAMOUNTS

### ∞ ISOBARS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT BAROCLINITY  
BAROTROPISM  
ISOBARS (PRESSURE)  
NUCLEAR ISOBARS  
POLYTROPIC PROCESSES

### ISOBARS (PRESSURE)

RT ATMOSPHERIC PRESSURE  
GEOSTROPHIC WIND  
GRADIENTS  
∞ ISOBARS  
ISOCHORIC PROCESSES  
ISOPYCNIC PROCESSES  
ISOTHERMAL PROCESSES  
METEOROLOGICAL CHARTS  
PRESSURE  
PRESSURE DISTRIBUTION  
PRESSURE GRADIENTS

### ISOBUTANE

USE BUTANES

### ISOBUTYLENE

USE BUTENES

### ISOCHORIC PROCESSES

RT ISOBARS (PRESSURE)  
ISOPYCNIC PROCESSES  
THERMODYNAMIC EQUILIBRIUM  
VOLUME

### ISOCROMATICS

RT COLOR  
DICHROISM  
DIFFRACTION  
INTERFEROMETRY  
REFRACTION  
SPECKLE INTERFEROMETRY

### ISOCYANATES

GS ESTERS

### ISOCYANATES-(CONT.)

.. ISOCYANATES  
.. DIISOCYANATES  
.. FULMINATES  
NITROGEN COMPOUNDS  
.. CYANO COMPOUNDS  
.. ISOCYANATES  
.. DIISOCYANATES  
.. FULMINATES

### ISOELECTRONIC SEQUENCE

RT ATOMIC STRUCTURE  
SPECTRA  
SPECTROSCOPY

### ISOENERGETIC PROCESSES

RT ADIABATIC CONDITIONS  
ISENTROPIC PROCESSES  
THERMODYNAMIC EQUILIBRIUM

### ISOLATION

GS ISOLATION  
.. SOCIAL ISOLATION  
RT CONFINEMENT  
CONFINING  
DEPRIVATION  
DISPOSAL  
EXCLUSION  
GNOTOBIOTICS  
INSULATION  
ISOLATORS  
∞ SEPARATION  
SPACING

### ISOLATORS

GS ISOLATORS  
.. VIBRATION ISOLATORS  
RT ATTENUATORS  
INSULATION  
ISOLATION  
NOISE REDUCTION  
SHOCK ABSORBERS  
SPACERS  
SUPPRESSORS  
VIBRATION

### ISOMERIZATION

GS ISOMERIZATION  
.. ORTHO PARA CONVERSION  
RT ∞ CONVERSION  
REFINING

### ISOMERS

GS ISOMERS  
.. ISOPROPYL ALCOHOL  
.. PHENANTHRENE  
RT ATOMS  
CONGENERS  
NUCLEAR CHEMISTRY  
STEREOCHEMISTRY  
TAUTOMERS

### ISOMORPHISM

UF MORPHOTROPISM  
GS MORPHOLOGY  
.. ISOMORPHISM  
RT CRYSTAL LATTICES  
CRYSTAL STRUCTURE  
DUALITY THEOREM  
HOMOMORPHISMS

### ISOPARAMETRIC FINITE ELEMENTS

RT CONFORMAL MAPPING  
COORDINATE TRANSFORMATIONS  
∞ ELEMENTS  
FINITE ELEMENT METHOD  
FRACTURE MECHANICS  
NUMERICAL ANALYSIS  
STRESS ANALYSIS

### ISOPERIMETRIC PROBLEM

RT ANALYTIC FUNCTIONS  
CONTINUITY (MATHEMATICS)  
LAGRANGE MULTIPLIERS  
MATRICES (MATHEMATICS)  
∞ PROBLEMS  
TOPOLOGY

### ISOPHOTES

RT ∞ ILLUMINATION

### ISOPLETHS

USE NOMOGRAPHS

### ISOPROPYL ALCOHOL

GS HYDROXYL COMPOUNDS  
.. ALCOHOLS  
.. ISOPROPYL ALCOHOL  
ISOMERS  
.. ISOPROPYL ALCOHOL  
ISOPROPYL COMPOUNDS  
.. ISOPROPYL ALCOHOL

### ISOPROPYL COMPOUNDS

GS ISOPROPYL COMPOUNDS  
.. ISOPROPYL ALCOHOL  
RT ∞ CHEMICAL COMPOUNDS

### ISOPROPYL NITRATE

GS ALKYL COMPOUNDS  
.. ISOPROPYL NITRATE  
ESTERS  
.. NITRATE ESTERS  
.. ISOPROPYL NITRATE  
NITROGEN COMPOUNDS  
.. NITRATE ESTERS  
.. ISOPROPYL NITRATE

### ISOPYCNIC PROCESSES

UF ISOSTERIC PROCESSES  
RT DENSITY (MASS/VOLUME)  
ISENTROPIC PROCESSES  
ISOBARS (PRESSURE)  
ISOCHORIC PROCESSES

### ISOSTASY

RT ∞ EQUILIBRIUM  
GEOMORPHOLOGY  
GEOPHYSICS  
GLACIOLOGY  
GRAVITATION  
HYDROSTATICS  
OROGRAPHY  
SEISMOLOGY  
SUBSIDENCE

### ISOSTATIC PRESSURE

GS PRESSURE  
.. ISOSTATIC PRESSURE  
RT ATMOSPHERIC PRESSURE  
HOT ISOSTATIC PRESSING  
HYDROSTATIC PRESSURE  
STATIC PRESSURE

### ISOSTERIC PROCESSES

USE ISOPYCNIC PROCESSES

### ISOTENSOID STRUCTURES

RT COMPOSITE WRAPPING  
FILAMENT WINDING  
PRESSURE VESSELS  
PRESTRESSING  
SHELLS (STRUCTURAL FORMS)  
SPIRAL WRAPPING  
∞ STRUCTURES

### ISOTHERMAL FLOW

GS FLUID FLOW  
.. ISOTHERMAL FLOW  
RT FLOW DISTRIBUTION  
ISOTHERMS  
TEMPERATURE DISTRIBUTION

### ISOTHERMAL LAYERS

RT ISOTHERMS  
LAMINAR BOUNDARY LAYER  
STRATOSPHERE  
TEMPERATURE DISTRIBUTION  
TEMPERATURE GRADIENTS  
THERMAL MAPPING  
TROPOPAUSE

### ISOTHERMAL PROCESSES

RT ADIABATIC CONDITIONS  
ISOBARS (PRESSURE)  
ISOTHERMS  
THERMODYNAMIC EQUILIBRIUM

### ISOTHERMS

RT ATMOSPHERIC & OCEANOGRAPHIC  
INFORM SYS  
ATMOSPHERIC TEMPERATURE  
GRADIENTS  
ISOTHERMAL FLOW  
ISOTHERMAL LAYERS  
ISOTHERMAL PROCESSES  
METEOROLOGICAL PARAMETERS  
METEOROLOGY

**ISOTHERMS-(CONT.)**

TEMPERATURE  
TEMPERATURE DISTRIBUTION  
TEMPERATURE GRADIENTS  
THERMAL MAPPING  
THERMODYNAMICS

**ISOTONICITY**

RT BODY FLUIDS  
OSMOSIS

**ISOTOPE EFFECT**

UF ISOTOPE SHIFT  
RT  $\infty$  EFFECTS  
ISOTOPE  
RADIOACTIVE ISOTOPE

**ISOTOPE SEPARATION**

RT ATOMS  
HEAVY IONS  
ION EXCHANGING  
ION EXTRACTION  
ISOTOPE  
JET MEMBRANE PROCESS

**ISOTOPE SHIFT**

USE ISOTOPE EFFECT

**ISOTOPES**

GS CHEMICAL ELEMENTS  
NUCLIDES  
ISOTOPES  
ALUMINUM ISOTOPES  
ALUMINUM 26  
ALUMINUM 27  
ANTIMONY ISOTOPES  
ARGON ISOTOPES  
BARIUM ISOTOPES  
BERYLLIUM ISOTOPES  
BERYLLIUM 7  
BERYLLIUM 9  
BERYLLIUM 10  
BISMUTH ISOTOPES  
BORON ISOTOPES  
BORON 10  
BROMINE ISOTOPES  
CADMIUM ISOTOPES  
CALCIUM ISOTOPES  
CARBON ISOTOPES  
CARBON 12  
CARBON 13  
CARBON 14  
CERIUM ISOTOPES  
CERIUM 137  
CERIUM 144  
CESIUM ISOTOPES  
CESIUM 133  
CESIUM 134  
CESIUM 137  
CESIUM 144  
CESIUM VAPOR  
CHROMIUM ISOTOPES  
COBALT ISOTOPES  
COBALT 58  
COBALT 60  
DYSPROSIUM ISOTOPES  
ERBIUM ISOTOPES  
EUROPIUM ISOTOPES  
FLUORINE ISOTOPES  
GADOLINIUM ISOTOPES  
GALLIUM ISOTOPES  
GERMANIUM ISOTOPES  
HAFNIUM ISOTOPES  
HELIUM ISOTOPES  
HOLMIUM ISOTOPES  
HYDROGEN ISOTOPES  
DEUTERIUM  
HYDROGEN 4  
TRITIUM  
IODINE ISOTOPES  
IODINE 125  
IODINE 131  
IODINE 132  
IRIDIUM ISOTOPES  
IRON ISOTOPES  
IRON 57  
IRON 58  
IRON 59  
KRYPTON ISOTOPES  
KRYPTON 85  
LANTHANUM ISOTOPES  
LEAD ISOTOPES  
LITHIUM ISOTOPES  
LUTETIUM  
LUTETIUM ISOTOPES

**ISOTOPES-(CONT.)**

MANGANESE ISOTOPES  
MERCURY ISOTOPES  
MOLYBDENUM ISOTOPES  
NEODYMIUM ISOTOPES  
NEON ISOTOPES  
NICKEL ISOTOPES  
NIOBIUM ISOTOPES  
NIOBIUM 95  
NITROGEN ISOTOPES  
NITROGEN 15  
NITROGEN 16  
NOBELIUM ISOTOPES  
OXYGEN ISOTOPES  
OXYGEN 18  
PALLADIUM ISOTOPES  
PHOSPHORUS ISOTOPES  
PHOSPHORUS 32  
PLATINUM ISOTOPES  
POLONIUM ISOTOPES  
POLONIUM 208  
POLONIUM 209  
POLONIUM 210  
POTASSIUM ISOTOPES  
POTASSIUM 38  
POTASSIUM 39  
POTASSIUM 40  
PRASEODYMIUM ISOTOPES  
PROMETHIUM ISOTOPES  
PROTACTINIUM ISOTOPES  
RADIOACTIVE ISOTOPES  
ARSENIC ISOTOPES  
ASTATINE ISOTOPES  
BERYLLIUM 7  
BERYLLIUM 9  
BERYLLIUM 10  
CARBON 14  
CERIUM 137  
CERIUM 144  
CESIUM 134  
CESIUM 137  
CESIUM 144  
COBALT 58  
COBALT 60  
GOLD ISOTOPES  
GOLD 198  
INDIUM ISOTOPES  
IODINE 125  
IODINE 131  
IODINE 132  
IRON 59  
KRYPTON 85  
NIOBIUM 95  
NITROGEN 16  
PHOSPHORUS 32  
POLONIUM 208  
POLONIUM 209  
POLONIUM 210  
POTASSIUM 38  
POTASSIUM 40  
RUBIDIUM 86  
SODIUM 22  
SODIUM 24  
STRONTIUM 85  
STRONTIUM 88  
STRONTIUM 89  
STRONTIUM 90  
TRANSURANIUM ELEMENTS  
AMERICIUM  
AMERICIUM ISOTOPES  
BERKELIUM  
CALIFORNIUM  
CALIFORNIUM ISOTOPES  
CURIUM  
CURIUM ISOTOPES  
EINSTEINIUM  
FERMIUM  
LAWRENCIUM  
MENDELEVIUM  
MENDELEVIUM ISOTOPES  
NEPTUNIUM  
NEPTUNIUM ISOTOPES  
NOBELIUM  
PLUTONIUM  
PLUTONIUM ISOTOPES  
SERGENIUM  
TRITIUM  
URANIUM 232  
URANIUM 233  
URANIUM 238  
XENON 133  
XENON 135  
ZIRCONIUM 95  
RADIUM ISOTOPES  
RADIUM 226  
RADON ISOTOPES

**ISOTOPES-(CONT.)**

RHODIUM ISOTOPES  
RUBIDIUM ISOTOPES  
RUBIDIUM 86  
RUTHENIUM ISOTOPES  
SCANDIUM ISOTOPES  
SELENIUM ISOTOPES  
SILVER ISOTOPES  
SODIUM ISOTOPES  
SODIUM 22  
SODIUM 24  
STRONTIUM ISOTOPES  
STRONTIUM 85  
STRONTIUM 87  
STRONTIUM 89  
STRONTIUM 90  
TANTALUM ISOTOPES  
TELLURIUM  
TELLURIUM ISOTOPES  
TERBIUM ISOTOPES  
THORIUM ISOTOPES  
THULIUM ISOTOPES  
TIN ISOTOPES  
TITANIUM ISOTOPES  
URANIUM ISOTOPES  
URANIUM 232  
URANIUM 233  
URANIUM 234  
URANIUM 235  
URANIUM 238  
VANADIUM ISOTOPES  
XENON ISOTOPES  
XENON 129  
XENON 133  
XENON 135  
YTTRIUM ISOTOPES  
ZINC ISOTOPES  
ZIRCONIUM ISOTOPES  
ZIRCONIUM 95

RT ATOMS  
HEAVY IONS  
ISOTOPE EFFECT  
ISOTOPE SEPARATION  
ISOTOPIC ENRICHMENT  
ISOTOPIC LABELING  
JET MEMBRANE PROCESS  
METALS  
NUCLEAR ISOBARS  
NUCLEI (NUCLEAR PHYSICS)  
RADIOACTIVE MATERIALS

**ISOTOPIC ENRICHMENT**

GS ENRICHMENT  
ISOTOPIC ENRICHMENT  
JET MEMBRANE PROCESS  
RT BENEFICIATION  
CHEMICAL ELEMENTS  
 $\infty$  CONCENTRATION  
ISOTOPES  
NUCLIDES

**ISOTOPIC LABELING**

GS MARKING  
ISOTOPIC LABELING  
RT CHEMICAL ANALYSIS  
ISOTOPES  
RADIOACTIVE ISOTOPES  
RADIOCHEMISTRY  
TRACE ELEMENTS  
 $\infty$  TRACERS

**ISOTOPIC SPIN**

GS SPIN  
PARTICLE SPIN  
ISOTOPIC SPIN

**ISOTROPIC MEDIA**

GS ISOTROPY  
ISOTROPIC MEDIA  
RT ANISOTROPIC MEDIA

**ISOTROPIC TURBULENCE**

GS TURBULENCE  
ISOTROPIC TURBULENCE  
RT ATMOSPHERIC TURBULENCE  
COORDINATE TRANSFORMATIONS  
HOMOGENEOUS TURBULENCE  
INSTRUMENT RECEIVERS  
INVARIANT IMBEDDINGS  
KOLMOGOROFF THEORY  
MAGNETOHYDRODYNAMIC TURBULENCE  
TURBULENT FLOW

**ISOTROPISM**

RT REFRACTIVITY

## ISOTROPY

### ISOTROPISM-(CONT.)

SYMMETRY

### ISOTROPY

UF SPATIAL ISOTROPY  
GS **ISOTROPY**  
RT . ISOTROPIC MEDIA  
ANISOTROPIC FLUIDS  
ANISOTROPY  
BRAGG ANGLE  
CRYSTAL STRUCTURE  
CRYSTALLOGRAPHY  
CRYSTALS  
DENDRITIC CRYSTALS  
DIRECTIVITY  
FIELD STRENGTH  
MECHANICAL PROPERTIES  
METALLOGRAPHY  
OPTICAL PROPERTIES  
∞ ORIENTATION  
∞ PHYSICAL PROPERTIES

### ISRAEL

GS NATIONS  
RT . **ISRAEL**  
ASIA

### ISRO

UF INDIAN SPACE RESEARCH  
ORGANIZATION  
GS ORGANIZATIONS  
RT . **ISRO**  
INDIA  
SPACE PROGRAMS

### ISTHMUSES

GS LAND  
RT . **ISTHMUSES**  
LANDFORMS  
GEOLOGY  
OCEANOGRAPHY  
PENINSULAS  
TOPOGRAPHY  
WATER

### ITALIAN SPACE PROGRAM

GS PROGRAMS  
RT . SPACE PROGRAMS  
ITALIAN SPACE PROGRAM  
EUROPEAN SPACE PROGRAMS  
ITALY  
ORBITING FROG OTOLITH  
SIRIO SATELLITE

### ITALY

GS NATIONS  
RT . **ITALY**  
ADRIATIC SEA  
ALPS MOUNTAINS (EUROPE)  
EUROPE  
ITALIAN SPACE PROGRAM  
SAN MARINO  
SICILY  
SIRIO SATELLITE  
VATICAN CITY

### ITCHING

RT CONTACT DERMATITIS  
DERMATITIS  
HISTAMINES  
SENSITIVITY  
SENSORY PERCEPTION

### ITERATION

GS ANALYSIS (MATHEMATICS)  
NUMERICAL ANALYSIS  
RT . **ITERATION**  
CONJUGATE GRADIENT METHOD  
ITERATIVE SOLUTION  
NEWTON METHODS  
PREDICTOR-CORRECTOR METHODS  
PROBABILITY THEORY  
PROBLEM SOLVING

### ITERATIVE NETWORKS

GS CIRCUITS  
RT . **ITERATIVE NETWORKS**  
IMPEDANCE MATCHING

### ITERATIVE SOLUTION

GS ANALYSIS (MATHEMATICS)  
NUMERICAL ANALYSIS  
ITERATION

### ITERATIVE SOLUTION-(CONT.)

RT . **ITERATIVE SOLUTION**  
PROBLEM SOLVING  
ASYMPTOTIC METHODS  
CHOLESKY FACTORIZATION  
CONJUGATE GRADIENT METHOD  
FINITE ELEMENT METHOD  
NEWTON METHODS  
PREDICTOR-CORRECTOR METHODS  
STRANGE ATTRACTORS

### ITO (SEMICONDUCTORS)

UF INDIUM-TIN-OXIDE SEMICONDUCTORS  
GS ELECTRONIC EQUIPMENT  
SOLID STATE DEVICES  
SEMICONDUCTOR DEVICES  
METAL OXIDE SEMICONDUCTORS  
RT . **ITO (SEMICONDUCTORS)**  
SEMICONDUCTORS (MATERIALS)  
METAL OXIDE SEMICONDUCTORS  
CHARGE COUPLED DEVICES  
CHARGE TRANSFER DEVICES  
CMOS  
HETEROJUNCTION DEVICES  
ION IMPLANTATION  
RECTIFIERS  
SOS (SEMICONDUCTORS)

### ITOS SATELLITES

GS ARTIFICIAL SATELLITES  
METEOROLOGICAL SATELLITES  
TIROS SATELLITES  
RT . **ITOS SATELLITES**  
ITOS 1  
ITOS 2  
ITOS 3  
ITOS 4  
TIROS M

### ITOS 1

GS ARTIFICIAL SATELLITES  
METEOROLOGICAL SATELLITES  
TIROS SATELLITES  
IMPROVED TIROS OPERATIONAL  
SATELLITES  
RT . **ITOS 1**  
ITOS SATELLITES  
TIROS M  
TIROS N SERIES SATELLITES  
TIROS OPERATIONAL SATELLITE  
SYSTEM

### ITOS 2

GS ARTIFICIAL SATELLITES  
METEOROLOGICAL SATELLITES  
TIROS SATELLITES  
IMPROVED TIROS OPERATIONAL  
SATELLITES  
RT . **ITOS 2**  
ITOS SATELLITES  
TIROS M  
TIROS N SERIES SATELLITES  
TIROS OPERATIONAL SATELLITE  
SYSTEM

### ITOS 3

GS ARTIFICIAL SATELLITES  
METEOROLOGICAL SATELLITES  
TIROS SATELLITES  
IMPROVED TIROS OPERATIONAL  
SATELLITES  
RT . **ITOS 3**  
ITOS SATELLITES  
TIROS M  
TIROS N SERIES SATELLITES  
TIROS OPERATIONAL SATELLITE  
SYSTEM

### ITOS 4

GS ARTIFICIAL SATELLITES  
METEOROLOGICAL SATELLITES  
TIROS SATELLITES  
IMPROVED TIROS OPERATIONAL  
SATELLITES  
RT . **ITOS 4**  
ITOS SATELLITES  
TIROS M  
TIROS N SERIES SATELLITES

### ITOS 4-(CONT.)

TIROS OPERATIONAL SATELLITE  
SYSTEM  
IUE  
UF INTERNATIONAL ULTRAVIOLET  
EXPLORER  
GS SAS-D  
OBSERVATORIES  
ASTRONOMICAL OBSERVATORIES  
ASTRONOMICAL SATELLITES  
RT . **IUE**  
EXPLORER SATELLITES  
EXTREME ULTRAVIOLET EXPLORER  
SATELLITE  
RADIO ASTRONOMY  
SPACEBORNE ASTRONOMY  
ULTRAVIOLET RADIATION  
IUS  
USE INERTIAL UPPER STAGE  
IVORY COAST  
GS NATIONS  
RT . **IVORY COAST**  
AFRICA

### IVUNA METEORITE

GS CELESTIAL BODIES  
METEORITES  
STONY METEORITES  
CHONDRITES  
CARBONACEOUS METEORITES  
IVUNA METEORITE

### IZSAK ELLIPSOID

USE ELLIPSOIDS  
GEODESY

### I2S CAMERAS

GS OPTICAL EQUIPMENT  
CAMERAS  
I2S CAMERAS  
PHOTOGRAPHIC EQUIPMENT  
CAMERAS  
RT . **I2S CAMERAS**  
AIRCRAFT INSTRUMENTS  
MULTISPECTRAL PHOTOGRAPHY  
SPACECRAFT INSTRUMENTS

## J

### J INTEGRAL

GS ANALYSIS (MATHEMATICS)  
FUNCTIONAL ANALYSIS  
INTEGRAL EQUATIONS  
RT . **J INTEGRAL**  
REAL VARIABLES  
MEASURE AND INTEGRATION  
CRACK INITIATION  
CRACK PROPAGATION  
CRACKING (FRACTURING)  
CREEP RUPTURE STRENGTH  
ELASTOPLASTICITY  
FRACTURE MECHANICS  
FRACTURE STRENGTH  
INTEGRAL CALCULUS  
MECHANICAL PROPERTIES  
PLASTIC DEFORMATION  
STRUCTURAL ANALYSIS  
TOUGHNESS  
YIELD STRENGTH

### J-2 ENGINE

GS ENGINES  
ROCKET ENGINES  
LIQUID PROPELLANT ROCKET  
ENGINES  
HYDROGEN OXYGEN ENGINES  
RT . **J-2 ENGINE**  
NOVA LAUNCH VEHICLES  
SATURN 1B LAUNCH VEHICLES  
SATURN 5 LAUNCH VEHICLES

### J-33 ENGINE

GS ENGINES  
AIR BREATHING ENGINES  
GAS TURBINE ENGINES  
JET ENGINES  
TURBOJET ENGINES

**J-33 ENGINE-(CONT.)**

. . . . . J-33 ENGINE  
 . . . . . INTERNAL COMBUSTION ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-33 ENGINE  
 . . . . . TURBINE ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-33 ENGINE  
 . . . . . TURBOMACHINERY  
 . . . . . J-33 ENGINE  
 RT MACE MISSILES

**J-34 ENGINE**

UF XJ-34-WE-32 ENGINE  
 GS ENGINES  
 . . . . . AIR BREATHING ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-34 ENGINE  
 . . . . . INTERNAL COMBUSTION ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-34 ENGINE  
 . . . . . TURBINE ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-34 ENGINE

**J-47 ENGINE**

GS ENGINES  
 . . . . . AIR BREATHING ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-47 ENGINE  
 . . . . . INTERNAL COMBUSTION ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-47 ENGINE  
 . . . . . TURBINE ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-47 ENGINE

**J-52 ENGINE**

GS AIRCRAFT ENGINES  
 . . . . . J-52 ENGINE  
 . . . . . ENGINES  
 . . . . . INTERNAL COMBUSTION ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-52 ENGINE  
 . . . . . TURBINE ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-52 ENGINE

**J-57 ENGINE**

GS ENGINES  
 . . . . . AIR BREATHING ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-57 ENGINE  
 . . . . . INTERNAL COMBUSTION ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-57 ENGINE  
 . . . . . TURBINE ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-57 ENGINE  
 RT AFTERBURNING

**J-57-P-20 ENGINE**

GS ENGINES  
 . . . . . AIR BREATHING ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-57-P-20 ENGINE  
 . . . . . INTERNAL COMBUSTION ENGINES

**J-57-P-20 ENGINE-(CONT.)**

. . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-57-P-20 ENGINE  
 . . . . . TURBINE ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-57-P-20 ENGINE  
 RT AFTERBURNING

**J-58 ENGINE**

GS AIRCRAFT ENGINES  
 . . . . . J-58 ENGINE

**J-65 ENGINE**

GS ENGINES  
 . . . . . AIR BREATHING ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-65 ENGINE  
 . . . . . INTERNAL COMBUSTION ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-65 ENGINE  
 . . . . . TURBINE ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-65 ENGINE  
 RT A-4 AIRCRAFT

**J-69-T-25 ENGINE**

UF MARBORE 2 ENGINE  
 GS ENGINES  
 . . . . . AIR BREATHING ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-69-T-25 ENGINE  
 . . . . . INTERNAL COMBUSTION ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-69-T-25 ENGINE  
 . . . . . TURBINE ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-69-T-25 ENGINE

**J-71 ENGINE**

GS ENGINES  
 . . . . . AIR BREATHING ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-71 ENGINE  
 . . . . . INTERNAL COMBUSTION ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-71 ENGINE  
 . . . . . TURBINE ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-71 ENGINE

**J-73 ENGINE**

UF YJ-73-GE-3 ENGINE  
 GS YJ73 TURBOJET ENGINE  
 . . . . . ENGINES  
 . . . . . AIR BREATHING ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-73 ENGINE  
 . . . . . INTERNAL COMBUSTION ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-73 ENGINE  
 . . . . . TURBINE ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-73 ENGINE

**J-75 ENGINE**

GS ENGINES  
 . . . . . AIR BREATHING ENGINES

**J-75 ENGINE-(CONT.)**

. . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-75 ENGINE  
 . . . . . INTERNAL COMBUSTION ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-75 ENGINE  
 . . . . . TURBINE ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-75 ENGINE

**J-79 ENGINE**

UF XJ-79-GE-1 ENGINE  
 GS YJ-79 ENGINE  
 . . . . . ENGINES  
 . . . . . AIR BREATHING ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-79 ENGINE  
 . . . . . INTERNAL COMBUSTION ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-79 ENGINE  
 . . . . . TURBINE ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-79 ENGINE  
 RT F-4 AIRCRAFT

**J-85 ENGINE**

UF YJ-85 ENGINE  
 GS ENGINES  
 . . . . . AIR BREATHING ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-85 ENGINE  
 . . . . . INTERNAL COMBUSTION ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-85 ENGINE  
 . . . . . TURBINE ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-85 ENGINE  
 RT BLUE GOOSE MISSILE  
 OSPREY MISSILE

**J-93 ENGINE**

UF J93-MJ252H ENGINE  
 J93-MJ280G ENGINE  
 YJ-93 ENGINE  
 YJ-93-GE-3 ENGINE  
 GS ENGINES  
 . . . . . AIR BREATHING ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-93 ENGINE  
 . . . . . INTERNAL COMBUSTION ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-93 ENGINE  
 . . . . . TURBINE ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . J-93 ENGINE

**J-97 ENGINE**

GS AIRCRAFT ENGINES  
 . . . . . J-97 ENGINE  
 . . . . . ENGINES  
 . . . . . AIR BREATHING ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . TURBOFAN ENGINES  
 . . . . . J-97 ENGINE  
 . . . . . INTERNAL COMBUSTION ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . TURBOFAN ENGINES

## JABIRU ROCKET VEHICLE

### J-97 ENGINE-(CONT.)

- ..... J-97 ENGINE
- .. TURBINE ENGINES
- .. GAS TURBINE ENGINES
- .. JET ENGINES
- .. TURBOJET ENGINES
- .. TURBOFAN ENGINES
- ..... J-97 ENGINE

### JABIRU ROCKET VEHICLE

- USE JAGUAR ROCKET VEHICLE

### JACKETS

- SN (EXCLUDES CLOTHING)
- RT ABSORBERS (MATERIALS)
- ∞ CASING
- COOLING
- COVERINGS
- HEATING
- INSULATION
- LININGS
- SHEATHS

### JACKING EQUIPMENT

- USE JACKS (LIFTS)

### ∞ JACKS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT ELECTRIC CONNECTORS
- ELEVATORS (LIFTS)
- JACKS (LIFTS)

### JACKS (ELECTRICAL)

- USE ELECTRIC CONNECTORS

### JACKS (LIFTS)

- UF JACKING EQUIPMENT
- RT ∞ JACKS
- ∞ LIFTS
- POSITIONING DEVICES (MACHINERY)
- TUNNELING (EXCAVATION)

### JACOBI INTEGRAL

- GS ANALYSIS (MATHEMATICS)
- .. REAL VARIABLES
- .. JACOBI INTEGRAL
- RT CONFORMAL MAPPING
- DIFFUSION THEORY
- ELLIPTIC FUNCTIONS
- GREEN'S FUNCTIONS
- POTENTIAL THEORY
- WEIERSTRASS FUNCTIONS

### JACOBI MATRIX METHOD

- GS ANALYSIS (MATHEMATICS)
- .. REAL VARIABLES
- .. JACOBI MATRIX METHOD
- RT CALCULUS OF VARIATIONS
- EIGENVALUES
- EIGENVECTORS
- HERMITIAN POLYNOMIAL
- ∞ METHODOLOGY

### JACOBI POLYNOMIALS

- USE HYPERGEOMETRIC FUNCTIONS

### JAGUAR AIRCRAFT

- GS ATTACK AIRCRAFT
- .. FIGHTER AIRCRAFT
- .. JAGUAR AIRCRAFT
- SINGLE ENGINE AIRCRAFT
- .. JAGUAR AIRCRAFT
- SUPERSONIC AIRCRAFT
- .. JAGUAR AIRCRAFT
- TRAINING AIRCRAFT
- .. JAGUAR AIRCRAFT
- RT ∞ AIRCRAFT
- BREGUET AIRCRAFT
- ∞ MILITARY AIRCRAFT

### JAGUAR ROCKET VEHICLE

- UF JABIRU ROCKET VEHICLE
- GS ROCKET VEHICLES
- .. MULTISTAGE ROCKET VEHICLES
- .. JAGUAR ROCKET VEHICLE
- .. SOUNDING ROCKETS
- .. JAGUAR ROCKET VEHICLE
- RT SOLID PROPELLANT ROCKET ENGINES

### JAHN-TELLER EFFECT

- RT ∞ EFFECTS
- ELECTRON PARAMAGNETIC RESONANCE

### JAHN-TELLER EFFECT-(CONT.)

- ELECTRON TRANSITIONS
- ORBITALS

### JAMAICA

- GS LANDFORMS
- .. ISLANDS
- .. WEST INDIES
- .. JAMAICA
- NATIONS
- .. JAMAICA
- RT CARIBBEAN REGION

### JAMMERS

- RT AIR DEFENSE
- JAMMING
- RADAR EQUIPMENT
- RADIO EQUIPMENT

### JAMMING

- GS COUNTERMEASURES
- .. JAMMING
- ELECTROMAGNETIC INTERFERENCE
- .. JAMMING
- RT CLUTTER
- ELECTRONIC COUNTERMEASURES
- ELECTRONIC WARFARE
- FREQUENCY HOPPING
- ∞ INTERFERENCE
- JAMMERS
- RADIO FREQUENCY INTERFERENCE
- WHITE NOISE

### JANUS

- GS CELESTIAL BODIES
- .. NATURAL SATELLITES
- .. SATURN SATELLITES
- .. JANUS
- RT SATURN (PLANET)

### JANUS REACTOR

- GS NUCLEAR REACTORS
- .. NUCLEAR RESEARCH AND TEST REACTORS
- .. JANUS REACTOR

### JANUS SPACECRAFT

- GS GLIDERS
- .. JANUS SPACECRAFT
- LIFTING BODIES
- .. LIFTING REENTRY VEHICLES
- .. JANUS SPACECRAFT
- MANEUVERABLE SPACECRAFT
- .. JANUS SPACECRAFT
- MANNED SPACECRAFT
- .. JANUS SPACECRAFT
- REENTRY VEHICLES
- .. MANEUVERABLE REENTRY BODIES
- .. LIFTING REENTRY VEHICLES
- .. JANUS SPACECRAFT
- SOFT LANDING SPACECRAFT
- .. JANUS SPACECRAFT

### JAPAN

- GS LANDFORMS
- .. ISLANDS
- .. PACIFIC ISLANDS
- .. JAPAN
- NATIONS
- .. JAPAN
- RT ASIA
- JAPANESE SPACECRAFT

### JAPANESE SPACE PROGRAM

- GS PROGRAMS
- .. SPACE PROGRAMS
- .. JAPANESE SPACE PROGRAM
- RT METEOROLOGICAL SATELLITES
- ∞ RESEARCH PROJECTS
- SATELLITE DESIGN
- SPACE MISSIONS
- SPACE TRANSPORTATION
- ∞ SPACECRAFT
- SPACECRAFT DESIGN

### JAPANESE SPACECRAFT

- UF MOS (JAPANESE SPACECRAFT)
- GS JAPANESE SPACECRAFT
- .. EXOS SATELLITES
- .. EXOS-A SATELLITE
- .. EXOS-B SATELLITE
- .. EXOS-C SATELLITE
- RT JAPAN
- ∞ SPACECRAFT

### JARRING

- USE MECHANICAL SHOCK

### JATO ENGINES

- UF JET ASSISTED TAKEOFF
- ENGINES
- GS JATO ENGINES
- LAUNCHERS
- .. AIRCRAFT LAUNCHING DEVICES
- .. JATO ENGINES
- RT SHORT TAKEOFF AIRCRAFT
- SOLID PROPELLANT ROCKET ENGINES
- TAKEOFF

### JAVELIN AIRCRAFT

- USE GA-5 AIRCRAFT

### JAVELIN ROCKET VEHICLE

- GS ROCKET VEHICLES
- .. MULTISTAGE ROCKET VEHICLES
- .. JAVELIN ROCKET VEHICLE
- RT ARGO ROCKET VEHICLES
- ROCKET PROPELLED SLEDS
- SOLID PROPELLANT ROCKET ENGINES
- SOUNDING ROCKETS

### JC-130 AIRCRAFT

- USE C-130 AIRCRAFT

### JEANS THEORY

- RT ∞ THEORIES

### JEEPS

- USE AUTOMOBILES

### JERBOAS

- GS ANIMALS
- .. VERTEBRATES
- .. MAMMALS
- .. RODENTS
- .. MICE
- .. JERBOAS

### JET AIRCRAFT

- UF JET FLIGHT
- TURBOJET AIRCRAFT
- GS JET AIRCRAFT
- .. A-2 AIRCRAFT
- .. A-3 AIRCRAFT
- .. A-4 AIRCRAFT
- .. A-5 AIRCRAFT
- .. A-6 AIRCRAFT
- .. ALPHA JET AIRCRAFT
- .. AN-2 AIRCRAFT
- .. AVRO 707 AIRCRAFT
- .. B-47 AIRCRAFT
- .. B-50 AIRCRAFT
- .. B-52 AIRCRAFT
- .. B-57 AIRCRAFT
- .. B-58 AIRCRAFT
- .. B-66 AIRCRAFT
- .. B-70 AIRCRAFT
- .. BOEING 747 AIRCRAFT
- .. BOEING 7707 AIRCRAFT
- .. BUCCANEER AIRCRAFT
- .. C-5 AIRCRAFT
- .. C-8A AUGMENTOR WING AIRCRAFT
- .. C-9 AIRCRAFT
- .. C-119 AIRCRAFT
- .. C-135 AIRCRAFT
- .. C-140 AIRCRAFT
- .. CANBERRA AIRCRAFT
- .. CL-41 AIRCRAFT
- .. CL-823 AIRCRAFT
- .. COMET 4 AIRCRAFT
- .. CV-880 AIRCRAFT
- .. D-558 AIRCRAFT
- .. DC 9 AIRCRAFT
- .. DC 10 AIRCRAFT
- .. DH 112 AIRCRAFT
- .. DH 115 AIRCRAFT
- .. DH 125 AIRCRAFT
- .. DHC 2 AIRCRAFT
- .. EUROPEAN AIRBUS
- .. A-300 AIRCRAFT
- .. A-310 AIRCRAFT
- .. A-320 AIRCRAFT
- .. F-2 AIRCRAFT
- .. F-5 AIRCRAFT
- .. F-8 AIRCRAFT
- .. F-9 AIRCRAFT
- .. F-14 AIRCRAFT
- .. F-15 AIRCRAFT
- .. F-16 AIRCRAFT
- .. F-17 AIRCRAFT

## JET AIRCRAFT-(CONT.)

. F-18 AIRCRAFT  
 . F-20 AIRCRAFT  
 . F-84 AIRCRAFT  
 . F-86 AIRCRAFT  
 . F-89 AIRCRAFT  
 . F-94 AIRCRAFT  
 . F-100 AIRCRAFT  
 . F-101 AIRCRAFT  
 . F-102 AIRCRAFT  
 . F-104 AIRCRAFT  
 . F-105 AIRCRAFT  
 . F-106 AIRCRAFT  
 . FD 2 AIRCRAFT  
 . G-91 AIRCRAFT  
 . G-95/4 AIRCRAFT  
 . GA-5 AIRCRAFT  
 . H-17 HELICOPTER  
 . H-126 AIRCRAFT  
 . HFB-320 AIRCRAFT  
 . HP-115 AIRCRAFT  
 . HS-801 AIRCRAFT  
 . JET PROVOST AIRCRAFT  
 . JETSTREAM AIRCRAFT  
 . JINDIVIK TARGET AIRCRAFT  
 . L-29 JET TRAINER  
 . L-1011 AIRCRAFT  
 . L-2000 AIRCRAFT  
 . LEAR JET AIRCRAFT  
 . MIRAGE AIRCRAFT  
 . MIRAGE 3 AIRCRAFT  
 . NORD 1500 AIRCRAFT  
 . P-3 AIRCRAFT  
 . P-308 AIRCRAFT  
 . P-1052 AIRCRAFT  
 . PD-808 AIRCRAFT  
 . PHANTOM AIRCRAFT  
 . F-4 AIRCRAFT  
 . SC-1 AIRCRAFT  
 . SCIMITAR AIRCRAFT  
 . T-2 AIRCRAFT  
 . T-33 AIRCRAFT  
 . T-37 AIRCRAFT  
 . T-38 AIRCRAFT  
 . T-39 AIRCRAFT  
 . TS-11 AIRCRAFT  
 . TSR-2 AIRCRAFT  
 . TU-104 AIRCRAFT  
 . TU-124 AIRCRAFT  
 . TURBOFAN AIRCRAFT  
 . A-7 AIRCRAFT  
 . BAC 111 AIRCRAFT  
 . BOEING 707 AIRCRAFT  
 . BOEING 720 AIRCRAFT  
 . BOEING 727 AIRCRAFT  
 . BOEING 733 AIRCRAFT  
 . BOEING 737 AIRCRAFT  
 . BOEING 757 AIRCRAFT  
 . BOEING 767 AIRCRAFT  
 . C-141 AIRCRAFT  
 . CL-600 CHALLENGER AIRCRAFT  
 . CONCORDE AIRCRAFT  
 . CV-990 AIRCRAFT  
 . DC 8 AIRCRAFT  
 . DH 121 AIRCRAFT  
 . DO-31 AIRCRAFT  
 . F-28 TRANSPORT AIRCRAFT  
 . F-111 AIRCRAFT  
 . IL-62 AIRCRAFT  
 . MYSTERE 20 AIRCRAFT  
 . P-1127 AIRCRAFT  
 . P-1154 AIRCRAFT  
 . SAAB 37 AIRCRAFT  
 . SAAB 105 AIRCRAFT  
 . SE-210 AIRCRAFT  
 . TU-134 AIRCRAFT  
 . TU-144 AIRCRAFT  
 . TURBOPROP AIRCRAFT  
 . AN-22 AIRCRAFT  
 . AN-24 AIRCRAFT  
 . ARGOSY MK-1 AIRCRAFT  
 . BREGUET 941 AIRCRAFT  
 . BREGUET 1150 AIRCRAFT  
 . C-2 AIRCRAFT  
 . C-130 AIRCRAFT  
 . C-133 AIRCRAFT  
 . C-160 AIRCRAFT  
 . CL-44 AIRCRAFT  
 . CL-84 AIRCRAFT  
 . DHC 5 AIRCRAFT  
 . E-2 AIRCRAFT  
 . ELECTRA AIRCRAFT  
 . F-27 AIRCRAFT  
 . G-222 AIRCRAFT  
 . HS-748 AIRCRAFT  
 . MH-262 AIRCRAFT

## JET AIRCRAFT-(CONT.)

. OV-1 AIRCRAFT  
 . OV-10 AIRCRAFT  
 . SC-5 AIRCRAFT  
 . VISCOUNT AIRCRAFT  
 . YS-11 AIRCRAFT  
 . U-2 AIRCRAFT  
 . VALIANT AIRCRAFT  
 . VAMPIRE MK 35 AIRCRAFT  
 . VC-10 AIRCRAFT  
 . VICTOR MK-1 AIRCRAFT  
 . VJ-101 AIRCRAFT  
 . VULCAN AIRCRAFT  
 . X-3 AIRCRAFT  
 . X-5 AIRCRAFT  
 . X-13 AIRCRAFT  
 . X-14 AIRCRAFT  
 . X-21 AIRCRAFT  
 . X-21A AIRCRAFT  
 . XC-142 AIRCRAFT  
 . XV-4 AIRCRAFT  
 . XV-5 AIRCRAFT  
 . XV-9A AIRCRAFT  
 . YAK 40 AIRCRAFT  
 RT  $\infty$  AIRCRAFT  
 AIRCRAFT NOISE  
 ATTACK AIRCRAFT  
 B-1 AIRCRAFT  
 BOMBER AIRCRAFT  
 CARGO AIRCRAFT  
 COMMERCIAL AIRCRAFT  
 FIGHTER AIRCRAFT  
 FLYING PLATFORMS  
 GENERAL AVIATION AIRCRAFT  
 HYPERSONIC AIRCRAFT  
 $\infty$  JETS  
 $\infty$  LOW WING AIRCRAFT  
 $\infty$  MILITARY AIRCRAFT  
 MYSTERE 50 AIRCRAFT  
 PASSENGER AIRCRAFT  
 RECONNAISSANCE AIRCRAFT  
 RESEARCH AIRCRAFT  
 SHORT TAKEOFF AIRCRAFT  
 $\infty$  SUBSONIC AIRCRAFT  
 SUPERSONIC AIRCRAFT  
 TAILLESS AIRCRAFT  
 TANDEM WING AIRCRAFT  
 TERRAIN FOLLOWING AIRCRAFT  
 TRAINING AIRCRAFT  
 TRANSPORT AIRCRAFT  
 TU-154 AIRCRAFT  
 TURBOJET ENGINES  
 V/STOL AIRCRAFT  
 $\infty$  WINGED VEHICLES  
 YF-12 AIRCRAFT

## JET AIRCRAFT NOISE

UF JET NOISE  
 GS ELASTIC WAVES  
 SOUND WAVES  
 NOISE (SOUND)  
 AIRCRAFT NOISE  
 JET AIRCRAFT NOISE  
 RT ACOUSTIC RETROFITTING  
 AERODYNAMIC NOISE  
 $\infty$  AIRCRAFT  
 AIRCRAFT RUNUP  
 ENGINE NOISE  
 MUFFLERS  
 NOISE MEASUREMENT  
 NOISE REDUCTION  
 QUIET ENGINE PROGRAM  
 SONIC BOOMS

## JET AIRSTREAMS

USE JET STREAMS (METEOROLOGY)

## JET AMPLIFIERS

UF FLUID JET AMPLIFIERS  
 GS AMPLIFIERS  
 FLUID AMPLIFIERS  
 JET AMPLIFIERS  
 RT COANDA EFFECT  
 FLUID JETS  
 $\infty$  JET NOZZLES  
 NOZZLE WALLS

## JET ASSISTED TAKEOFF

USE JATO ENGINES

## JET AUGMENTED WING FLAPS

USE JET FLAPS  
WING FLAPS

## JET BLAST EFFECTS

RT  $\infty$  BLASTS  
 $\infty$  EFFECTS  
 EXHAUST GASES  
 GROUND EFFECT (AERODYNAMICS)  
 NOISE (SOUND)  
 PRESSURE EFFECTS  
 TEMPERATURE EFFECTS

## JET BOUNDARIES

GS BOUNDARIES  
 FLUID BOUNDARIES  
 JET BOUNDARIES  
 INTERFACES  
 FLUID BOUNDARIES  
 JET BOUNDARIES  
 RT FREE JETS  
 LIQUID SURFACES  
 WALL JETS

## JET CONDENSERS

GS CONDENSERS (LIQUEFIERS)  
 JET CONDENSERS  
 RT  $\infty$  CONDENSERS  
 LIQUEFACTION  
 NUCLEATION  
 SPRAY CONDENSERS  
 WORKING FLUIDS

## JET CONTROL

RT AUTOMATIC CONTROL  
 BOUNDARY LAYER CONTROL  
 $\infty$  CONTROL  
 DIRECTIONAL CONTROL  
 SATELLITE ATTITUDE CONTROL  
 SATELLITE CONTROL  
 THRUST CONTROL  
 VARIABLE THRUST

## JET DAMPING

USE DAMPING  
SPIN REDUCTION

## JET DRAGON AIRCRAFT

USE DH 125 AIRCRAFT

## JET DRIVE

USE JET PROPULSION

## JET ENGINE FUELS

UF JET FUELS  
 GS FUELS  
 CHEMICAL FUELS  
 HYDROCARBON FUELS  
 JET ENGINE FUELS  
 JP-4 JET FUEL  
 JP-5 JET FUEL  
 JP-6 JET FUEL  
 JP-8 JET FUEL  
 LIQUID FUELS  
 JET ENGINE FUELS  
 JP-4 JET FUEL  
 JP-5 JET FUEL  
 JP-6 JET FUEL  
 JP-8 JET FUEL  
 RT AIRCRAFT FUELS  
 ANTIMISTING FUELS  
 GASOLINE  
 KEROSENE  
 TURBINES

## JET ENGINES

SN (EXCLUDES HYDROJET ENGINES)  
 GS ENGINES  
 AIR BREATHING ENGINES  
 GAS TURBINE ENGINES  
 JET ENGINES  
 RAMJET ENGINES  
 INTEGRAL ROCKET RAMJETS  
 LOW VOLUME RAMJET ENGINES  
 PULSEJET ENGINES  
 SUPERSONIC COMBUSTION  
 RAMJET ENGINES  
 TURBORAMJET ENGINES  
 TURBOJET ENGINES  
 BRISTOL-SIDDELEY OLYMPUS  
 593 ENGINE  
 BRISTOL-SIDDELEY VIPER  
 ENGINE  
 DUCTED FAN ENGINES  
 J-33 ENGINE  
 J-34 ENGINE  
 J-47 ENGINE  
 J-57 ENGINE  
 J-57-P-20 ENGINE

## JET EXHAUST

### JET ENGINES-(CONT.)

- ..... J-65 ENGINE
- ..... J-69-T-25 ENGINE
- ..... J-71 ENGINE
- ..... J-73 ENGINE
- ..... J-75 ENGINE
- ..... J-79 ENGINE
- ..... J-85 ENGINE
- ..... J-93 ENGINE
- ..... RA-28 ENGINE
- ..... TURBOFAN ENGINES
- ..... BRISTOL-SIDDELEY BS 53 ENGINE
- ..... CF-700 ENGINE
- ..... J-97 ENGINE
- ..... TF-41 ENGINE
- ..... TURBOPROP ENGINES
- ..... T-53 ENGINE
- ..... T-56 ENGINE
- ..... T-64 ENGINE
- ..... T-74 ENGINE
- ..... TURBORAMJET ENGINES
- ..... INTERNAL COMBUSTION ENGINES
- ..... GAS TURBINE ENGINES
- ..... **JET ENGINES**
- ..... RAMJET ENGINES
- ..... INTEGRAL ROCKET RAMJETS
- ..... LOW VOLUME RAMJET ENGINES
- ..... PULSEJET ENGINES
- ..... SUPERSONIC COMBUSTION
- ..... RAMJET ENGINES
- ..... TURBORAMJET ENGINES
- ..... T-63 ENGINE
- ..... T-76 ENGINE
- ..... TURBOJET ENGINES
- ..... BRISTOL-SIDDELEY OLYMPUS 593 ENGINE
- ..... BRISTOL-SIDDELEY VIPER ENGINE
- ..... DUCTED FAN ENGINES
- ..... J-33 ENGINE
- ..... J-34 ENGINE
- ..... J-47 ENGINE
- ..... J-52 ENGINE
- ..... J-57 ENGINE
- ..... J-57-P-20 ENGINE
- ..... J-65 ENGINE
- ..... J-69-T-25 ENGINE
- ..... J-71 ENGINE
- ..... J-73 ENGINE
- ..... J-75 ENGINE
- ..... J-79 ENGINE
- ..... J-85 ENGINE
- ..... J-93 ENGINE
- ..... RA-28 ENGINE
- ..... TURBOFAN ENGINES
- ..... BRISTOL-SIDDELEY BS 53 ENGINE
- ..... CF-700 ENGINE
- ..... J-97 ENGINE
- ..... TF-30 ENGINE
- ..... TF-41 ENGINE
- ..... TURBOPROP ENGINES
- ..... T-34 ENGINE
- ..... T-38 ENGINE
- ..... T-53 ENGINE
- ..... T-56 ENGINE
- ..... T-64 ENGINE
- ..... T-74 ENGINE
- ..... T-78 ENGINE
- ..... TURBORAMJET ENGINES
- ..... TURBINE ENGINES
- ..... GAS TURBINE ENGINES
- ..... **JET ENGINES**
- ..... RAMJET ENGINES
- ..... LOW VOLUME RAMJET ENGINES
- ..... PULSEJET ENGINES
- ..... SUPERSONIC COMBUSTION
- ..... RAMJET ENGINES
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- ..... DUCTED FAN ENGINES
- ..... J-33 ENGINE
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- ..... J-47 ENGINE
- ..... J-52 ENGINE
- ..... J-57 ENGINE
- ..... J-57-P-20 ENGINE
- ..... J-65 ENGINE
- ..... J-69-T-25 ENGINE

### JET ENGINES-(CONT.)

- ..... J-71 ENGINE
- ..... J-73 ENGINE
- ..... J-75 ENGINE
- ..... J-79 ENGINE
- ..... J-85 ENGINE
- ..... J-93 ENGINE
- ..... RA-28 ENGINE
- ..... TURBOFAN ENGINES
- ..... BRISTOL-SIDDELEY BS 53 ENGINE
- ..... CF-700 ENGINE
- ..... J-97 ENGINE
- ..... TF-30 ENGINE
- ..... TF-41 ENGINE
- ..... TURBOPROP ENGINES
- ..... T-34 ENGINE
- ..... T-38 ENGINE
- ..... T-53 ENGINE
- ..... T-56 ENGINE
- ..... T-64 ENGINE
- ..... T-74 ENGINE
- ..... T-78 ENGINE
- ..... TURBORAMJET ENGINES
- RT AFTERBURNING
- AIRCRAFT ENGINES
- COMBUSTION CHAMBERS
- EJECTORS
- ENGINE STARTERS
- EXHAUST NOZZLES
- FLAMEOUT
- FLYING EJECTION SEATS
- FUEL INJECTION
- FUEL PUMPS
- HELICOPTER ENGINES
- HYBRID PROPELLANT ROCKET ENGINES
- HYBRID PROPULSION
- INFRARED SUPPRESSION
- ∞ JET NOZZLES
- QUIET ENGINE PROGRAM
- REACTION PRODUCTS
- ROCKET ENGINES
- THRUST

### JET EXHAUST

- UF HOT JET EXHAUST
- RT BASE HEATING
- EXHAUST EMISSION
- EXHAUST GASES
- INFRARED SUPPRESSION
- ROCKET EXHAUST

### JET FLAMES

- USE FLAMES
- JET FLOW

### JET FLAPS

- UF JET AUGMENTED WING FLAPS
- GS AIRFOILS
- ..... FLAPS (CONTROL SURFACES)
- ..... **JET FLAPS**
- ..... CONTROL SURFACES
- ..... FLAPS (CONTROL SURFACES)
- ..... **JET FLAPS**
- RT EXTERNALLY BLOWN FLAPS
- H-126 AIRCRAFT
- SHORT TAKEOFF AIRCRAFT
- SPLIT FLAPS
- TRAILING EDGE FLAPS
- VORTEX FLAPS
- WING FLAPS

### JET FLIGHT

- USE JET AIRCRAFT

### JET FLOW

- UF HOT JETS
- JET FLAMES
- LAMINAR JETS
- REACTION JETS
- GS FLUID FLOW
- ..... **JET FLOW**
- ..... AIR JETS
- ..... PERIPHERAL JET FLOW
- ..... SUPERSONIC JET FLOW
- RT FLUID JETS
- FREE BOUNDARIES
- FREE JETS
- GAS STREAMS
- HYDRAULIC JETS
- INJECTORS
- JET MEMBRANE PROCESS
- ∞ JETS
- NOZZLE FLOW
- PARTICLE LADEN JETS

### JET FLOW-(CONT.)

- SPANWISE BLOWING
- TWO DIMENSIONAL JETS
- VAPOR JETS
- WALL JETS

### JET FUELS

- USE JET ENGINE FUELS

### JET IMPINGEMENT

- GS IMPINGEMENT
- ..... **JET IMPINGEMENT**
- RT ABLATION
- BASE HEATING

### JET LAG

- GS BIOLOGICAL EFFECTS
- ..... **JET LAG**
- ..... DISORIENTATION
- ..... **JET LAG**
- ..... PSYCHOLOGICAL EFFECTS
- ..... **JET LAG**
- RT DESYNCHRONIZATION (BIOLOGY)
- DISORDERS
- FLIGHT STRESS (BIOLOGY)
- RHYTHM (BIOLOGY)
- SUPERSONIC FLIGHT

### JET LIFT

- GS AERODYNAMIC CHARACTERISTICS
- ..... LIFT
- ..... **JET LIFT**
- ..... AERODYNAMIC FORCES
- ..... LIFT
- ..... **JET LIFT**
- ..... DYNAMIC CHARACTERISTICS
- ..... LIFT
- ..... **JET LIFT**
- RT DISTRIBUTION (PROPERTY)

### JET MEMBRANE PROCESS

- GS ENRICHMENT
- ..... ISOTOPIC ENRICHMENT
- ..... **JET MEMBRANE PROCESS**
- RT GAS DYNAMICS
- ISOTOPE SEPARATION
- ISOTOPES
- JET FLOW
- MEMBRANES
- ∞ PROCESSES
- URANIUM

### JET MIXING FLOW

- GS FLUID FLOW
- ..... **JET MIXING FLOW**
- RT FLUID JETS
- FREE BOUNDARIES
- FUEL INJECTION
- INJECTORS
- ∞ JETS
- MIXING
- PREMIXING
- TWO DIMENSIONAL JETS

### JET NOISE

- USE JET AIRCRAFT NOISE

### ∞ JET NOZZLES

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT CARBURETORS
- CONICAL NOZZLES
- EXHAUST DIFFUSERS
- EXHAUST NOZZLES
- FUEL INJECTION
- INJECTORS
- JET AMPLIFIERS
- JET ENGINES
- SKIRTS

### JET PILOTS

- USE AIRCRAFT PILOTS

### JET PROPULSION

- UF JET DRIVE
- GS PROPULSION
- ..... **JET PROPULSION**
- RT AIRCRAFT ENGINES
- CHEMICAL PROPULSION
- HELICOPTER PROPELLER DRIVE
- MARINE PROPULSION
- ROCKET ENGINES
- SQUID PROJECT

## JOINTS (ANATOMY)

### JET PROPULSION-(CONT.)

TURBINES

### JET PROVOST AIRCRAFT

UF HUNTING P-84 AIRCRAFT  
P-84 AIRCRAFT  
GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. **JET PROVOST AIRCRAFT**  
BAC AIRCRAFT  
. **JET PROVOST AIRCRAFT**  
JET AIRCRAFT  
. **JET PROVOST AIRCRAFT**  
MONOPLANES  
. **JET PROVOST AIRCRAFT**  
SINGLE ENGINE AIRCRAFT  
. **JET PROVOST AIRCRAFT**  
TRAINING AIRCRAFT  
. **JET PROVOST AIRCRAFT**  
RT ∞ AIRCRAFT

### JET PUMPS

SN (EXCLUDES DEVICES USING A LIQUID  
OR GAS TO INDUCE MOVEMENT OF A  
GAS SUCH AS AIR EJECTORS)  
GS PUMPS  
. **JET PUMPS**  
RT EJECTORS  
FUEL PUMPS  
∞ JETS  
∞ PUMPING  
TURBINE PUMPS  
VACUUM PUMPS

### JET STAR AIRCRAFT

USE C-140 AIRCRAFT

### JET STREAMS (METEOROLOGY)

UF JET AIRSTREAMS  
GS FLUID FLOW  
. GAS FLOW  
. AIR FLOW  
. AIR CURRENTS  
. **JET STREAMS (METEOROLOGY)**  
MESOSCALE PHENOMENA  
. **JET STREAMS (METEOROLOGY)**  
WIND (METEOROLOGY)  
. WINDS ALOFT  
. **JET STREAMS (METEOROLOGY)**  
RT AIR JETS  
ATMOSPHERIC CIRCULATION  
CIRCUMPOLAR WESTERLIES  
CLEAR AIR TURBULENCE  
COANDA EFFECT  
FLUID JETS  
FREE BOUNDARIES  
TURBULENT JETS  
ZONAL FLOW (METEOROLOGY)

### JET THRUST

UF REACTION JETS  
GS THRUST  
. **JET THRUST**  
RT COLD GAS  
CONVERTIBLE FAN-SHAFT ENGINES  
HIGH THRUST  
LOW THRUST  
MICROTHRUST  
ROCKET THRUST  
STATIC THRUST  
THRUST LOADS  
VARIABLE THRUST

### JET VANES

GS CONTROL SURFACES  
. GUIDE VANES  
. **JET VANES**  
VANES  
. GUIDE VANES  
. **JET VANES**  
RT AIRFOILS  
THRUST VECTOR CONTROL  
WALL JETS

### JETAVATORS

USE GUIDE VANES

### ∞ JETS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT AIR JETS  
FLUID JETS  
FREE JETS  
GAS JETS

### JETS-(CONT.)

INJECTORS  
JET AIRCRAFT  
JET FLOW  
JET MIXING FLOW  
JET PUMPS  
PLASMA JETS  
SPRAYERS  
TURBULENT JETS  
TWO DIMENSIONAL JETS  
WALL JETS

### JETSTREAM AIRCRAFT

GS COMMERCIAL AIRCRAFT  
. **JETSTREAM AIRCRAFT**  
GRUMMAN AIRCRAFT  
. **JETSTREAM AIRCRAFT**  
JET AIRCRAFT  
. **JETSTREAM AIRCRAFT**  
PASSENGER AIRCRAFT  
. **JETSTREAM AIRCRAFT**  
RT ∞ AIRCRAFT

### JETTIES

USE BREAKWATERS

### JETTISON SYSTEMS

RT BAILOUT  
EJECTION  
EJECTION SEATS  
ESCAPE (ABANDONMENT)  
ESCAPE SYSTEMS  
JETTISONING  
∞ SYSTEMS  
WING TANKS

### JETTISONING

RT BAILOUT  
DISPOSAL  
DUMPING  
EJECTION  
EMPTYING  
ESCAPE (ABANDONMENT)  
EXPULSION  
JETTISON SYSTEMS  
SPILLING

### JF 101 AIRCRAFT

USE F-101 AIRCRAFT

### JFET

UF JUNCTION FIELD EFFECT TRANSISTORS  
GS ELECTRONIC EQUIPMENT  
. SOLID STATE DEVICES  
. SEMICONDUCTOR DEVICES  
. TRANSISTORS  
. FIELD EFFECT TRANSISTORS  
. **JFET**  
. JUNCTION TRANSISTORS  
. **JFET**  
RT BARRIER LAYERS  
∞ JUNCTIONS

### JIGS

GS POSITIONING DEVICES (MACHINERY)  
. **JIGS**  
RT CLAMPS  
FIXTURES  
HOLDERS  
MECHANICAL DEVICES  
TOOLS

### JIKIKEN SATELLITE

USE EXOS-B SATELLITE

### JIMSPHERE BALLOONS

GS EXPANDABLE STRUCTURES  
. INFLATABLE STRUCTURES  
. BALLOONS  
. HIGH ALTITUDE BALLOONS  
. **JIMSPHERE BALLOONS**  
. METEOROLOGICAL BALLOONS  
. **JIMSPHERE BALLOONS**  
RT WIND (METEOROLOGY)

### JINDIVIK TARGET AIRCRAFT

GS DRONE VEHICLES  
. DRONE AIRCRAFT  
. TARGET DRONE AIRCRAFT  
. **JINDIVIK TARGET AIRCRAFT**  
JET AIRCRAFT  
. **JINDIVIK TARGET AIRCRAFT**  
MONOPLANES  
. **JINDIVIK TARGET AIRCRAFT**

### JINDIVIK TARGET AIRCRAFT-(CONT.)

PILOTLESS AIRCRAFT  
. DRONE AIRCRAFT  
. TARGET DRONE AIRCRAFT  
. **JINDIVIK TARGET AIRCRAFT**  
TARGETS  
. **JINDIVIK TARGET AIRCRAFT**  
RT ∞ AIRCRAFT  
REMOTELY PILOTED VEHICLES

### JITTER

USE VIBRATION

### JOBS

USE TASKS

### JODRELL BANK OBSERVATORY

GS OBSERVATORIES  
. **JODRELL BANK OBSERVATORY**  
RT ASTRONOMICAL OBSERVATORIES  
GROUND STATIONS  
RADIO TELESCOPES  
TRACKING STATIONS

### JOHNSTON ISLAND

GS LANDFORMS  
. ISLANDS  
. PACIFIC ISLANDS  
. **JOHNSTON ISLAND**

### JOINED WINGS

GS AIRFOILS  
. WINGS  
. **JOINED WINGS**  
RT AIRCRAFT CONFIGURATIONS  
DUAL WING CONFIGURATIONS  
RESEARCH AIRCRAFT  
TANDEM WING AIRCRAFT  
WING TIPS

### ∞ JOINING

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
UF INTERCONNECTION  
LINKING  
RT ADHESION  
ADHESIVE BONDING  
ASSEMBLING  
BEAM LEADS  
BINDING  
BONDING  
BRAZING  
COLD WORKING  
COUPLINGS  
CROSSLINKING  
FITTING  
FUSION (MELTING)  
INERTIA BONDING  
JOINTS (JUNCTIONS)  
LOCKING  
MOORING  
MOUNTING  
POSITIONING  
RETAINING  
RIVETING  
SEALING  
SEWING  
SOLDERING  
SPlicing  
ULTRASONIC SOLDERING  
WELDING  
YOKES

### JOINT EUROPEAN TORUS

GS NUCLEAR REACTORS  
. TOKAMAK DEVICES  
. **JOINT EUROPEAN TORUS**  
PLASMA GENERATORS  
. TOKAMAK DEVICES  
. **JOINT EUROPEAN TORUS**  
RT CONTROLLED FUSION  
REACTOR TECHNOLOGY

### JOINTS (ANATOMY)

GS ANATOMY  
. MUSCULOSKELETAL SYSTEM  
. **JOINTS (ANATOMY)**  
. ELBOW (ANATOMY)  
. KNEE (ANATOMY)  
. WRIST  
RT ARTHRITIS  
BONES  
CONNECTIVE TISSUE  
FLEXORS



## JOINTS (JUNCTIONS)

### JOINTS (ANATOMY)-(CONT.)

LIGAMENTS  
SHOULDERS

### JOINTS (JUNCTIONS)

UF CONNECTIONS  
SHANKS  
GS **JOINTS (JUNCTIONS)**  
. BOLTED JOINTS  
. BUTT JOINTS  
. INTERFERENCE FIT  
. LAP JOINTS  
. METAL JOINTS  
. SOLDERED JOINTS  
. WELDED JOINTS  
. SPOT WELDS  
. RIVETED JOINTS  
. SEAMS (JOINTS)  
RT ADAPTERS  
ADHESIVES  
BALLS  
BARRIER LAYERS  
BELLOWS  
BONDING  
CLOSURES  
CONNECTORS  
CORNERS  
COUPLINGS  
FASTENERS  
FILLETS  
FITTINGS  
∞ JOINING  
∞ JUNCTIONS  
LINKAGES  
METAL BONDING  
SLEEVES  
STRUCTURAL MEMBERS  
SWIVELS  
UNIONS (CONNECTORS)

### JORDAN

GS NATIONS  
. JORDAN

### JORDAN FORM

GS ALGEBRA  
. VECTOR SPACES  
. MATRICES (MATHEMATICS)  
. JORDAN FORM  
RT EIGENVALUES  
LINEAR TRANSFORMATIONS  
TENSORS

### JOSEPHSON JUNCTIONS

RT HIGH TEMPERATURE  
SUPERCONDUCTORS  
SQUID (DETECTORS)  
SUPERCONDUCTIVITY

### JOUKOWSKI TRANSFORMATION

RT AIRFOIL PROFILES  
COMPLEX VARIABLES  
COORDINATE TRANSFORMATIONS  
KUTTA-JOUKOWSKI CONDITION  
THEODORSEN TRANSFORMATION

### JOULE HEATING

USE OHMIC DISSIPATION  
RESISTANCE HEATING

### JOULE-THOMSON EFFECT

RT CRYOGENICS  
∞ EFFECTS  
ENTHALPY  
GAS EXPANSION  
GAS FLOW  
KINETIC THEORY  
OHMIC DISSIPATION  
THERMODYNAMIC PROPERTIES  
THERMODYNAMICS  
THROTTLING

### JOURNAL BEARINGS

GS BEARINGS  
. JOURNAL BEARINGS  
RT ANTI-FRICTION BEARINGS  
FOIL BEARINGS

### ∞ JOURNALS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT NEWS MEDIA  
PERIODICALS

### JOURNALS-(CONT.)

SHAFTS (MACHINE ELEMENTS)

### JOURNALS (DOCUMENTS)

USE PERIODICALS

### JOURNALS (SHAFTS)

USE SHAFTS (MACHINE ELEMENTS)

### JP-4 JET FUEL

GS FUELS  
. CHEMICAL FUELS  
. HYDROCARBON FUELS  
. JET ENGINE FUELS  
. JP-4 JET FUEL  
. LIQUID FUELS  
. JET ENGINE FUELS  
. JP-4 JET FUEL  
RT JP-6 JET FUEL  
JP-8 JET FUEL  
RP-1 ROCKET PROPELLANTS

### JP-5 JET FUEL

GS FUELS  
. CHEMICAL FUELS  
. HYDROCARBON FUELS  
. JET ENGINE FUELS  
. JP-5 JET FUEL  
. LIQUID FUELS  
. JET ENGINE FUELS  
. JP-5 JET FUEL

### JP-6 JET FUEL

GS FUELS  
. CHEMICAL FUELS  
. HYDROCARBON FUELS  
. JET ENGINE FUELS  
. JP-6 JET FUEL  
. LIQUID FUELS  
. JET ENGINE FUELS  
. JP-6 JET FUEL  
RT JP-4 JET FUEL  
JP-8 JET FUEL

### JP-8 JET FUEL

GS FUELS  
. CHEMICAL FUELS  
. HYDROCARBON FUELS  
. JET ENGINE FUELS  
. JP-8 JET FUEL  
. LIQUID FUELS  
. JET ENGINE FUELS  
. JP-8 JET FUEL  
RT JP-4 JET FUEL  
JP-6 JET FUEL  
KEROSENE

### JUDGMENTS

RT DECISION MAKING  
DECISIONS  
LEGAL LIABILITY  
PENALTIES

### JUDI-DART ROCKET

GS MEASURING INSTRUMENTS  
. SONDES  
. JUDI-DART ROCKET  
ROCKET VEHICLES  
. SOUNDING ROCKETS  
. JUDI-DART ROCKET  
RT ROCKET SOUNDING

### JUICES

GS LIQUIDS  
. JUICES  
RT CREATINE

### JUMPERS

GS CONDUCTORS  
. ELECTROLYTES  
. JUMPERS  
RT CONNECTORS  
SHORT CIRCUITS  
∞ TERMINALS  
WIRE

### JUNCTION DIODES

GS ELECTRONIC EQUIPMENT  
. DIODES  
. SEMICONDUCTOR DIODES  
. JUNCTION DIODES  
. SOLID STATE DEVICES  
. SEMICONDUCTOR DEVICES  
. JUNCTION DIODES

### JUNCTION DIODES-(CONT.)

. . . . MIM DIODES  
. . . . STEP RECOVERY DIODES  
RT BARRIER LAYERS  
BARRITT DIODES  
GERMANIUM DIODES  
HETEROJUNCTION DEVICES  
HETEROJUNCTIONS  
TUNNEL DIODES  
VARACTOR DIODES

### JUNCTION FIELD EFFECT TRANSISTORS

USE JFET

### JUNCTION TRANSISTORS

GS ELECTRONIC EQUIPMENT  
. SOLID STATE DEVICES  
. SEMICONDUCTOR DEVICES  
. TRANSISTORS  
. JUNCTION TRANSISTORS  
. JFET  
RT BARRIER LAYERS  
EPITAXY  
ION IMPLANTATION  
∞ JUNCTIONS  
MBM JUNCTIONS  
PHOTOTRANSISTORS  
THYRISTORS

### ∞ JUNCTIONS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT CONNECTORS  
INTERSECTIONS  
JFET  
JOINTS (JUNCTIONS)  
JUNCTION TRANSISTORS  
P-N-P-N JUNCTIONS  
SEMICONDUCTOR DEVICES  
SEMICONDUCTOR JUNCTIONS

### JUNGLES

USE TROPICAL REGIONS

### JUNO LAUNCH VEHICLES

GS LAUNCH VEHICLES  
. JUNO LAUNCH VEHICLES  
. JUNO 1 LAUNCH VEHICLE  
. JUNO 2 LAUNCH VEHICLE  
ROCKET VEHICLES  
. MULTISTAGE ROCKET VEHICLES  
. JUNO LAUNCH VEHICLES  
. JUNO 1 LAUNCH VEHICLE  
. JUNO 2 LAUNCH VEHICLE  
RT LIQUID PROPELLANT ROCKET ENGINES  
SOLID PROPELLANT ROCKET ENGINES  
∞ VEHICLES

### JUNO 1 LAUNCH VEHICLE

GS LAUNCH VEHICLES  
. JUNO LAUNCH VEHICLES  
. JUNO 1 LAUNCH VEHICLE  
ROCKET VEHICLES  
. MULTISTAGE ROCKET VEHICLES  
. JUNO LAUNCH VEHICLES  
. JUNO 1 LAUNCH VEHICLE  
RT EXPLORER SATELLITES  
JUPITER C ROCKET VEHICLE  
LIQUID PROPELLANT ROCKET ENGINES  
SERGEANT MISSILES  
SOLID PROPELLANT ROCKET ENGINES

### JUNO 2 LAUNCH VEHICLE

GS LAUNCH VEHICLES  
. JUNO LAUNCH VEHICLES  
. JUNO 2 LAUNCH VEHICLE  
ROCKET VEHICLES  
. MULTISTAGE ROCKET VEHICLES  
. JUNO LAUNCH VEHICLES  
. JUNO 2 LAUNCH VEHICLE  
RT EXPLORER 11 SATELLITE  
JUPITER MISSILE  
LIQUID PROPELLANT ROCKET ENGINES  
PIONEER SPACE PROBES  
PIONEER 3 SPACE PROBE  
PIONEER 4 SPACE PROBE  
PIONEER 6 SPACE PROBE  
PIONEER 7 SPACE PROBE  
PIONEER 8 SPACE PROBE  
SERGEANT MISSILES  
SOLID PROPELLANT ROCKET ENGINES

### JUPITER (PLANET)

GS CELESTIAL BODIES

**JUPITER (PLANET)-(CONT.)**

PLANETS  
 . GAS GIANT PLANETS  
 . . . **JUPITER (PLANET)**  
 RT AMALTHEA  
 AMOR ASTEROID  
 APOLLO ASTEROIDS  
 CALLISTO  
 EUROPA  
 GALILEAN SATELLITES  
 GALILEO PROBE  
 GALILEO SPACECRAFT  
 GANYMEDE  
 IO  
 JUPITER ATMOSPHERE  
 JUPITER PROBES  
 JUPITER RED SPOT  
 JUPITER RINGS  
 JUPITER SATELLITES  
 VOYAGER 1 SPACECRAFT  
 VOYAGER 2 SPACECRAFT  
 VOYAGER 1977 MISSION

**JUPITER ATMOSPHERE**

GS ENVIRONMENTS  
 . EXTRATERRESTRIAL ENVIRONMENTS  
 . . PLANETARY ENVIRONMENTS  
 . . . PLANETARY ATMOSPHERES  
 . . . . **JUPITER ATMOSPHERE**  
 RT AEROSPACE ENVIRONMENTS  
 GALILEO PROJECT  
 GEOPHYSICAL FLUID FLOW CELLS  
 JUPITER (PLANET)  
 JUPITER RINGS  
 PLANETARY IONOSPHERES  
 PLANETARY METEOROLOGY

**JUPITER C ROCKET VEHICLE**

GS ROCKET VEHICLES  
 . MULTISTAGE ROCKET VEHICLES  
 . . **JUPITER C ROCKET VEHICLE**  
 RT EXPLORER SATELLITES  
 JUNO 1 LAUNCH VEHICLE  
 JUPITER MISSILE  
 LAUNCH VEHICLES  
 LIQUID PROPELLANT ROCKET ENGINES  
 SERGEANT MISSILES  
 SOLID PROPELLANT ROCKET ENGINES

**JUPITER MISSILE**

GS MISSILES  
 . BALLISTIC MISSILES  
 . . INTERMEDIATE RANGE BALLISTIC MISSILES  
 . . . **JUPITER MISSILE**  
 . . . SURFACE TO SURFACE MISSILES  
 . . . INTERMEDIATE RANGE BALLISTIC MISSILES  
 . . . . **JUPITER MISSILE**  
 RT JUNO 2 LAUNCH VEHICLE  
 JUPITER C ROCKET VEHICLE  
 LIQUID PROPELLANT ROCKET ENGINES

**JUPITER PROBES**

GS INTERPLANETARY SPACECRAFT  
 . **JUPITER PROBES**  
 . . GALILEO PROBE  
 . . GALILEO SPACECRAFT  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . . **JUPITER PROBES**  
 . . . GALILEO PROBE  
 . . . GALILEO SPACECRAFT  
 RT GALILEO PROJECT  
 JUPITER (PLANET)  
 VOYAGER 1 SPACECRAFT  
 VOYAGER 2 SPACECRAFT  
 VOYAGER 1977 MISSION

**JUPITER PROJECT**

GS PROGRAMS  
 . NASA PROGRAMS  
 . . NASA SPACE PROGRAMS  
 . . . **JUPITER PROJECT**  
 . . . PROJECTS  
 . . . **JUPITER PROJECT**  
 . . . SPACE PROGRAMS  
 . . . NASA SPACE PROGRAMS  
 . . . . **JUPITER PROJECT**  
 RT LAUNCH VEHICLES

**JUPITER RED SPOT**

RT GAS GIANT PLANETS  
 JUPITER (PLANET)  
 PLANETARY SURFACES

**JUPITER RED SPOT-(CONT.)**

PLANETS  
 SURFACE PROPERTIES  
 TOPOGRAPHY  
**JUPITER RINGS**  
 GS CELESTIAL BODIES  
 . PLANETARY RINGS  
 . . **JUPITER RINGS**  
 RT JUPITER (PLANET)  
 JUPITER ATMOSPHERE  
 JUPITER SATELLITES  
 PLANETARY COMPOSITION  
 PLANETARY STRUCTURE  
 PLANETOLOGY  
 . . RINGS  
 SATURN RINGS  
 SPACE EXPLORATION  
 URANUS RINGS  
 VOYAGER 1 SPACECRAFT

**JUPITER SATELLITES**

GS CELESTIAL BODIES  
 . NATURAL SATELLITES  
 . . **JUPITER SATELLITES**  
 . . . AMALTHEA  
 . . . GALILEAN SATELLITES  
 . . . . CALLISTO  
 . . . . EUROPA  
 . . . . GANYMEDE  
 . . . . IO  
 RT ICY SATELLITES  
 JUPITER (PLANET)  
 JUPITER RINGS  
 SOLAR SYSTEM

**J93-MJ252H ENGINE**

USE J-93 ENGINE

**J93-MJ280G ENGINE**

USE J-93 ENGINE

**K****K BAND**

USE EXTREMELY HIGH FREQUENCIES

**K LINES**

GS SPECTRA  
 . RADIATION SPECTRA  
 . . ELECTROMAGNETIC SPECTRA  
 . . . LINE SPECTRA  
 . . . . **K LINES**  
 RT ABSORPTION SPECTRA  
 EMISSION SPECTRA  
 H LINES

**K STARS**

GS CELESTIAL BODIES  
 . STARS  
 . . LATE STARS  
 . . . COOL STARS  
 . . . . **K STARS**  
 RT DWARF STARS  
 GIANT STARS  
 MAIN SEQUENCE STARS  
 STELLAR SPECTRA  
 SUPERGIANT STARS

**K-MESONS**

USE KAONS

**KA BAND**

USE EXTREMELY HIGH FREQUENCIES

**KA-6 SAILPLANES**

UF SCHLEICHER KA-6 SAILPLANE  
 GS GLIDERS  
 . **KA-6 SAILPLANES**  
 RT . AIRCRAFT  
 GLIDING  
 SAILWINGS  
 . . WINGED VEHICLES

**KAKUTANI THEOREM**

GS THEOREMS  
 . **KAKUTANI THEOREM**  
 RT LATTICES (MATHEMATICS)  
 STOCHASTIC PROCESSES  
 VECTOR SPACES

**KALAHARI BASIN (AFRICA)**

GS LANDFORMS  
 . STRUCTURAL BASINS  
 . . **KALAHARI BASIN (AFRICA)**  
 RT AFRICA  
 DESERTS  
 REPUBLIC OF SOUTH AFRICA

**KALMAN FILTERS**

GS LINEAR FILTERS  
 . **KALMAN FILTERS**  
 RT ELECTRIC FILTERS  
 . . FILTERS  
 . . . LINEAR QUADRATIC GAUSSIAN CONTROL  
 . . . LINEAR QUADRATIC REGULATOR  
 NAVIGATION AIDS  
 OPTIMIZATION  
 REDUCED ORDER FILTERS  
 STATE ESTIMATION

**KALMAN-SCHMIDT FILTERING**

RT . APPLICATIONS OF MATHEMATICS  
 FEEDBACK CONTROL  
 INERTIAL PLATFORMS  
 NAVIGATION INSTRUMENTS  
 OPTIMAL CONTROL  
 OPTIMIZATION  
 REMOTE CONTROL  
 STOCHASTIC PROCESSES  
 TIME SERIES ANALYSIS

**KAMACITE**

GS ALLOYS  
 . NICKEL ALLOYS  
 . . **KAMACITE**  
 MINERALS  
 . **KAMACITE**  
 RT IRON ALLOYS  
 IRON METEORITES  
 METEORITIC COMPOSITION

**KAMAN AIRCRAFT**

GS **KAMAN AIRCRAFT**  
 . H-43 HELICOPTER  
 . HH-43 HELICOPTER  
 . UH-2 HELICOPTER  
 RT . AIRCRAFT

**KAMAN UH-2A HELICOPTER**

USE UH-2 HELICOPTER

**KAMPUCHEA**

USE CAMBODIA

**KANSAS**

GS NATIONS  
 . UNITED STATES  
 . . **KANSAS**  
 RT MISSOURI RIVER (US)

**KAOLINITE**

GS ALUMINUM COMPOUNDS  
 . ALUMINUM SILICATES  
 . . **KAOLINITE**  
 CLAYS  
 . **KAOLINITE**  
 MINERALS  
 . **KAOLINITE**  
 SILICON COMPOUNDS  
 . SILICATES  
 . . ALUMINUM SILICATES  
 . . . **KAOLINITE**  
 RT ALUMINUM OXIDES  
 ION EXCHANGING  
 SOILS

**KAON PRODUCTION**

GS PARTICLE PRODUCTION  
 . **KAON PRODUCTION**  
 RT KAONS  
 PARTICLE ACCELERATORS

**KAONS**

UF K-MESONS  
 GS PARTICLES  
 . ELEMENTARY PARTICLES  
 . . BOSONS  
 . . . MESONS  
 . . . . **KAONS**  
 . . . HADRONS  
 . . . MESONS  
 . . . . **KAONS**  
 . . . NUCLEAR PARTICLES

## KAPITZA RESISTANCE

### KAONS-(CONT.)

RT BOSONS  
 . . . MESONS  
 . . . . KAONS  
 BARYONS  
 CHARGED PARTICLES  
 KAON PRODUCTION  
 PIONS  
 POMERANCHUK THEOREM

### KAPITZA RESISTANCE

RT  $\infty$  RESISTANCE

### KAPOETA ACHONDRITE

GS CELESTIAL BODIES  
 . METEORITES  
 . . STONY METEORITES  
 . . . ACHONDrites  
 . . . . KAPOETA ACHONDRITE

### KAPPA ROCKET VEHICLES

GS ROCKET VEHICLES  
 . MULTISTAGE ROCKET VEHICLES  
 . . KAPPA ROCKET VEHICLES  
 . . . KAPPA 8 ROCKET VEHICLE  
 . . . KAPPA 9 ROCKET VEHICLE  
 . SOUNDING ROCKETS  
 . . KAPPA ROCKET VEHICLES  
 . . . KAPPA 8 ROCKET VEHICLE  
 . . . KAPPA 9 ROCKET VEHICLE  
 RT SOLID PROPELLANT ROCKET ENGINES  
 $\infty$  VEHICLES

### KAPPA 8 ROCKET VEHICLE

GS ROCKET VEHICLES  
 . MULTISTAGE ROCKET VEHICLES  
 . . KAPPA ROCKET VEHICLES  
 . . . KAPPA 8 ROCKET VEHICLE  
 . SOUNDING ROCKETS  
 . . KAPPA ROCKET VEHICLES  
 . . . KAPPA 8 ROCKET VEHICLE  
 RT SOLID PROPELLANT ROCKET ENGINES

### KAPPA 9 ROCKET VEHICLE

GS ROCKET VEHICLES  
 . MULTISTAGE ROCKET VEHICLES  
 . . KAPPA ROCKET VEHICLES  
 . . . KAPPA 9 ROCKET VEHICLE  
 . SOUNDING ROCKETS  
 . . KAPPA ROCKET VEHICLES  
 . . . KAPPA 9 ROCKET VEHICLE  
 RT SOLID PROPELLANT ROCKET ENGINES

### KAPTON (TRADEMARK)

GS POLYMERIC FILMS  
 . KAPTON (TRADEMARK)  
 RT  $\infty$  FILMS  
 . PLASTICS  
 $\infty$  POLYMERS

### KARHUNEN-LOEVE EXPANSION

GS DATA PROCESSING  
 . KARHUNEN-LOEVE EXPANSION  
 EXPANSION  
 . KARHUNEN-LOEVE EXPANSION  
 RT PRINCIPAL COMPONENTS ANALYSIS

### KARL FISCHER REAGENT

GS CHEMICAL TESTS  
 . CHEMICAL ANALYSIS  
 . . KARL FISCHER REAGENT  
 RT DIOXIDES  
 METHYL ALCOHOL  
 PYRIDINES  
 QUANTITATIVE ANALYSIS

### KARMAN VORTEX STREET

GS VORTEX STREETS  
 . KARMAN VORTEX STREET  
 RT AEOLIAN TONES  
 SUBSONIC FLOW  
 VON KARMAN EQUATION  
 VORTICITY EQUATIONS

### KARMAN-BODEWADT FLOW

GS FLUID FLOW  
 . AXISYMMETRIC FLOW  
 . . KARMAN-BODEWADT FLOW  
 . . . VISCIOUS FLOW  
 . . KARMAN-BODEWADT FLOW  
 TRANSLATIONAL MOTION  
 . THREE DIMENSIONAL MOTION  
 . . THREE DIMENSIONAL FLOW  
 . . . KARMAN-BODEWADT FLOW

### KARMAN-BODEWADT FLOW-(CONT.)

RT ROTATING DISKS  
 ROTATING FLUIDS

### KARST

GS LANDFORMS  
 . STRUCTURAL BASINS  
 . . KARST  
 . . . SINKHOLES  
 RT CAVES  
 CAVITIES  
 KETTLES (GEOLOGY)  
 $\infty$  RIDGES  
 ROCKS

### KAWASAKI AIRCRAFT

RT  $\infty$  AIRCRAFT

### KC-130 AIRCRAFT

USE C-130 AIRCRAFT

### KC-135 AIRCRAFT

USE C-135 AIRCRAFT

### KEELS

GS HYDROFOILS  
 . KEELS  
 RT BOATS  
 HULLS (STRUCTURES)  
 LONGERONS  
 SHIPS  
 STABILIZERS (FLUID DYNAMICS)

### KEL-F

GS HALOGEN COMPOUNDS  
 . FLUORINE COMPOUNDS  
 . . FLUORO COMPOUNDS  
 . . . FLUORINE ORGANIC COMPOUNDS  
 . . . . KEL-F  
 ORGANIC COMPOUNDS  
 . FLUORINE ORGANIC COMPOUNDS  
 . . KEL-F  
 RT COPOLYMERS  
 $\infty$  POLYMERS

### KELP

USE SEAWEEDES

### KELVIN-HELMHOLTZ INSTABILITY

RT COLLISIONLESS PLASMAS  
 FLOW STABILITY  
 $\infty$  HELMHOLTZ EQUATIONS  
 MAGNETOHYDRODYNAMIC FLOW  
 MAGNETOHYDRODYNAMIC STABILITY  
 MASS FLOW  
 NONUNIFORM PLASMAS  
 PLASMAS (PHYSICS)  
 SUPERFLUIDITY

### KENTUCKY

GS NATIONS  
 . UNITED STATES  
 . . KENTUCKY  
 RT OHIO RIVER (US)  
 TENNESSEE VALLEY (AL-KY-TN)

### KENYA

GS NATIONS  
 . KENYA  
 RT AFRICA

### KEPLER LAWS

GS CLASSICAL MECHANICS  
 . SPACE MECHANICS  
 . . ORBITAL MECHANICS  
 . . . KEPLER LAWS  
 LAWS  
 . KEPLER LAWS

### KERATINS

GS BIOPOLYMERS  
 . PROTEINS  
 . . KERATINS  
 ORGANIC COMPOUNDS  
 . PROTEINS  
 . . KERATINS  
 RT HAIR  
 WOOL

### KERATITIS

GS DISEASES  
 . EYE DISEASES  
 . . KERATITIS  
 RT CONJUNCTIVA

### KERATITIS-(CONT.)

CORNEA

### KERNEL FUNCTIONS

GS ANALYSIS (MATHEMATICS)  
 . REAL VARIABLES  
 . . KERNEL FUNCTIONS  
 FUNCTIONS (MATHEMATICS)  
 . . KERNEL FUNCTIONS  
 RT MELLIN TRANSFORMS

### KEROGEN

GS ORGANIC COMPOUNDS  
 . KEROGEN  
 RESOURCES  
 . EARTH RESOURCES  
 . . KEROGEN  
 RT FUEL OILS  
 FUELS  
 GASOLINE  
 GREASES  
 HYDROCARBON FUELS  
 KEROSENE  
 LUBRICANTS  
 OILS  
 SHALE OIL

### KEROSENE

GS FUELS  
 . CHEMICAL FUELS  
 . . LIQUID FUELS  
 . . . KEROSENE  
 RT ANTIMISTING FUELS  
 DIESEL FUELS  
 FUEL OILS  
 GASOLINE  
 HYDROCARBON FUELS  
 JET ENGINE FUELS  
 JP-8 JET FUEL  
 KEROGEN  
 PARAFFINS  
 RP-1 ROCKET PROPELLANTS  
 SHALE OIL

### KERR CELLS

RT CAMERA SHUTTERS  
 $\infty$  CELLS  
 $\infty$  ELECTRIC CELLS  
 POLARIZED ELECTROMAGNETIC  
 RADIATION  
 POLARIZERS

### $\infty$ KERR EFFECTS

SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED-CONSULT THE TERMS  
 LISTED BELOW)  
 RT  $\infty$  EFFECTS  
 ELECTRO-OPTICAL EFFECT  
 KERR ELECTROOPTICAL EFFECT  
 KERR MAGNETOOPTICAL EFFECT  
 MAGNETIC FIELDS

### KERR ELECTROOPTICAL EFFECT

GS ELECTROMAGNETIC PROPERTIES  
 . OPTICAL PROPERTIES  
 . . BIREFRINGENCE  
 . . . KERR ELECTROOPTICAL EFFECT  
 REFRACTION  
 . BIREFRINGENCE  
 . . KERR ELECTROOPTICAL EFFECT  
 RT  $\infty$  EFFECTS  
 ELECTRO-OPTICS  
 ELECTROMAGNETIC RADIATION  
 $\infty$  KERR EFFECTS  
 KERR MAGNETOOPTICAL EFFECT  
 LASERS  
 LIGHT MODULATION  
 POLARIZATION (WAVES)

### KERR MAGNETOOPTICAL EFFECT

GS ELECTROMAGNETIC PROPERTIES  
 . KERR MAGNETOOPTICAL EFFECT  
 RT  $\infty$  EFFECTS  
 FARADAY EFFECT  
 $\infty$  KERR EFFECTS  
 KERR ELECTROOPTICAL EFFECT  
 MAGNETO-OPTICS  
 OPTICAL PROPERTIES  
 POLARIZATION (WAVES)  
 POLARIZED LIGHT

### KESTREL AIRCRAFT

USE P-1127 AIRCRAFT

**KETENES**  
RT KETONES

**KETONES**  
GS KETONES  
ACETONE  
ACETYLACETONE  
ANTHRAQUINONES  
CAMPBOR  
NEMBUTAL (TRADEMARK)  
PENTANONE  
TRIMETHADIONE  
RT KETENES  
PEEK

**KETTLES (GEOLOGY)**  
GS GEOLOGY  
KETTLES (GEOLOGY)  
LANDFORMS  
STRUCTURAL BASINS  
KETTLES (GEOLOGY)  
RT CAVES  
CAVITIES  
EARTH RESOURCES  
GLACIAL DRIFT  
KARST  
LAKES  
SINKHOLES

**KEVLAR (TRADEMARK)**  
GS PLASTICS  
SYNTHETIC RESINS  
THERMOSETTING RESINS  
FURAN RESINS  
POLYAMIDE RESINS  
KEVLAR (TRADEMARK)  
RESINS  
SYNTHETIC RESINS  
THERMOSETTING RESINS  
FURAN RESINS  
POLYAMIDE RESINS  
KEVLAR (TRADEMARK)  
RT NONFLAMMABLE MATERIALS  
SYNTHETIC FIBERS

**KEYING**  
GS KEYING  
FREQUENCY SHIFT KEYING  
PHASE SHIFT KEYING  
RT MORSE CODE  
RADIO TELEGRAPHY  
TELEPRINTERS  
TELETYPEWRITERS

**KEYS (ISLANDS)**  
UF CAYS  
GS LANDFORMS  
ISLANDS  
KEYS (ISLANDS)  
RT CORAL REEFS  
EARTH RESOURCES  
ISLAND ARCS  
OCEANS

**KIDNEY DISEASES**  
GS DISEASES  
KIDNEY DISEASES  
NEPHRITIS  
RT CHOLERA

**KIDNEYS**  
GS ANATOMY  
GENITOURINARY SYSTEM  
KIDNEYS  
GLOMERULUS  
RT RENAL FUNCTION  
URINE  
UROLITHIASIS  
UROLOGY

**KILOMETER WAVE ORBITING TELESCOPE**  
GS RADIO EQUIPMENT  
RADIO TELESCOPES  
KILOMETER WAVE ORBITING  
TELESCOPE  
TELESCOPES  
RADIO TELESCOPES  
KILOMETER WAVE ORBITING  
TELESCOPE

**KILOMETRIC WAVES**  
GS ELECTROMAGNETIC RADIATION  
KILOMETRIC WAVES  
RT WAVES

**KIMBERLITE**  
USE BIOTITE  
PERIDOTITE

**KINEMATIC EQUATIONS**  
GS EQUATIONS OF MOTION  
KINETIC EQUATIONS  
KINEMATIC EQUATIONS  
RT EQUATIONS

**KINEMATICS**  
GS KINEMATICS  
BODY KINEMATICS  
RT ACCELERATION (PHYSICS)  
DYNAMICS  
EQUATIONS OF MOTION  
HODOGRAPHS  
KINETICS  
MECHANICS (PHYSICS)  
MICROWAVE REFLECTOMETERS  
MOTION  
NUTATION  
VELOCITY

**KINESCOPIES**  
USE PICTURE TUBES

**KINESTHESIA**  
GS PERCEPTION  
SENSORY PERCEPTION  
RT KINESTHESIA  
PROPRIOCEPTION

**KINESTHESIS**  
USE PROPRIOCEPTION

**KINETIC ENERGY**  
UF MOMENTUM ENERGY  
GS KINETICS  
KINETIC ENERGY  
RT CHEMICAL ENERGY  
ELECTRON ENERGY  
ENERGY  
EQUIPARTITION THEOREM  
FROUDE NUMBER  
HYDRODYNAMIC RAM EFFECT  
INTERNAL ENERGY  
LAGRANGE SIMILARITY HYPOTHESIS  
PARTICLE ENERGY  
POTENTIAL ENERGY  
PROTON ENERGY  
THERMAL ENERGY  
VIRIAL THEOREM  
WORK  
ZERO POINT ENERGY

**KINETIC EQUATIONS**  
GS EQUATIONS OF MOTION  
KINETIC EQUATIONS  
HYDRODYNAMIC EQUATIONS  
HELMHOLTZ VORTICITY EQUATION  
KINEMATIC EQUATIONS  
RT BBGKY HIERARCHY  
BETHE-SALPETER EQUATION  
EINSTEIN EQUATIONS  
EQUATIONS  
PARTIAL DIFFERENTIAL EQUATIONS  
VIRIAL THEOREM

**KINETIC FRICTION**  
GS FRICTION  
KINETIC FRICTION  
SLIDING FRICTION  
RT COEFFICIENT OF FRICTION  
DRY FRICTION  
FRICTION MEASUREMENT  
STATIC FRICTION

**KINETIC HEATING**  
GS HEATING  
KINETIC HEATING  
AERODYNAMIC HEATING  
SHOCK HEATING  
RT GAS HEATING  
MAGNETIC PUMPING  
PLASMA HEATING

**KINETIC THEORY**  
GS KINETIC THEORY  
TRANSPORT THEORY  
CHAPMAN-ENSKOG THEORY  
EYRING THEORY  
MIXING LENGTH FLOW THEORY  
RT BINARY FLUIDS

## KIRCHHOFF-HUYGENS PRINCIPLE

**KINETIC THEORY-(CONT.)**  
BOLTZMANN DISTRIBUTION  
BOLTZMANN TRANSPORT EQUATION  
DIFFUSION  
DIFFUSION THEORY  
DIFFUSION WAVES  
DYNAMIC PRESSURE  
EQUATIONS OF STATE  
FREE MOLECULAR FLOW  
GAS TRANSPORT  
GASEOUS SELF-DIFFUSION  
IDEAL GAS  
JOULE-THOMSON EFFECT  
KNUDSEN FLOW  
KROOK EQUATION  
LORENTZ GAS  
MASS FLOW  
MAXWELL-BOLTZMANN DENSITY  
FUNCTION  
MOBILITY  
MOMENTUM TRANSFER  
MORSE POTENTIAL  
REAL GASES  
THEORIES  
TRANSPORT PROPERTIES

**KINETICS**  
GS KINETICS  
ELECTROKINETICS  
KINETIC ENERGY  
NEWTON SECOND LAW  
NEWTON THEORY  
REACTION KINETICS  
VARIABLE MASS SYSTEMS  
RT ACCELERATION (PHYSICS)  
ANGULAR MOMENTUM  
BODY KINEMATICS  
DYNAMICS  
FLUID DYNAMICS  
FLUID MECHANICS  
FORCE  
GAS DYNAMICS  
HYDROMECHANICS  
IDEAL GAS  
KINEMATICS  
MECHANICS (PHYSICS)  
MOMENTUM TRANSFER  
MOTION AFTEREFFECTS  
NEWTON  
PARTICLE COLLISIONS  
PHYSICS  
VELOCITY

**KINOFORM**  
GS DISPLAY DEVICES  
KINOFORM  
IMAGERY  
KINOFORM  
RT COMPUTER PROGRAMMING  
HOLOGRAPHY  
WAVE FRONT RECONSTRUCTION

**KIRCHHOFF LAW**  
SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT KIRCHHOFF LAW OF NETWORKS  
KIRCHHOFF LAW OF RADIATION

**KIRCHHOFF LAW OF NETWORKS**  
RT CIRCUITS  
ELECTRIC CURRENT  
ELECTRIC POTENTIAL  
KIRCHHOFF LAW  
NETWORK ANALYSIS  
NETWORK SYNTHESIS

**KIRCHHOFF LAW OF RADIATION**  
GS LAWS  
RADIATION LAWS  
KIRCHHOFF LAW OF RADIATION  
RT ABSORPTIVITY  
BLACK BODY RADIATION  
KIRCHHOFF LAW  
RADIATION  
STEFAN-BOLTZMANN LAW  
THERMODYNAMICS

**KIRCHHOFF-HELMHOLTZ FLOW**  
USE PIPE FLOW

**KIRCHHOFF-HUYGENS PRINCIPLE**  
USE DIFFRACTION  
WAVE PROPAGATION

## KIRKENDALL EFFECT

### KIRKENDALL EFFECT

- RT DIFFUSION THEORY
- DIFFUSION WELDING
- DIFFUSIVITY
- ∞ EFFECTS
- THERMAL DIFFUSION

### KITE BALLOONS

- USE TETHERED BALLOONS

### KITS

- RT FIRST AID
- SURVIVAL
- TOOLS

### KIWI B REACTORS

- GS NUCLEAR ELECTRIC POWER
- GENERATION
- NUCLEAR POWER REACTORS
- .. KIWI REACTORS
- .. **KIWI B REACTORS**
- .. .. KIWI B-1 REACTOR
- .. .. KIWI B-4 REACTOR
- NUCLEAR REACTORS
- .. GAS COOLED REACTORS
- .. KIWI REACTORS
- .. **KIWI B REACTORS**
- .. .. KIWI B-1 REACTOR
- .. .. KIWI B-4 REACTOR
- NUCLEAR POWER REACTORS
- .. KIWI REACTORS
- .. **KIWI B REACTORS**
- .. .. KIWI B-1 REACTOR
- .. .. KIWI B-4 REACTOR
- NUCLEAR RESEARCH AND TEST
- REACTORS
- .. KIWI REACTORS
- .. **KIWI B REACTORS**
- .. .. KIWI B-1 REACTOR
- .. .. KIWI B-4 REACTOR

### KIWI B-1 REACTOR

- GS NUCLEAR ELECTRIC POWER
- GENERATION
- NUCLEAR POWER REACTORS
- .. KIWI REACTORS
- .. KIWI B REACTORS
- .. .. **KIWI B-1 REACTOR**
- NUCLEAR REACTORS
- .. GAS COOLED REACTORS
- .. KIWI REACTORS
- .. KIWI B REACTORS
- .. .. **KIWI B-1 REACTOR**
- NUCLEAR POWER REACTORS
- .. KIWI REACTORS
- .. KIWI B REACTORS
- .. .. **KIWI B-1 REACTOR**
- NUCLEAR RESEARCH AND TEST
- REACTORS
- .. KIWI REACTORS
- .. .. KIWI B REACTORS
- .. .. **KIWI B-1 REACTOR**

### KIWI B-4 REACTOR

- GS NUCLEAR ELECTRIC POWER
- GENERATION
- NUCLEAR POWER REACTORS
- .. KIWI REACTORS
- .. KIWI B REACTORS
- .. .. **KIWI B-4 REACTOR**
- NUCLEAR REACTORS
- .. GAS COOLED REACTORS
- .. KIWI REACTORS
- .. KIWI B REACTORS
- .. .. **KIWI B-4 REACTOR**
- NUCLEAR POWER REACTORS
- .. KIWI REACTORS
- .. KIWI B REACTORS
- .. .. **KIWI B-4 REACTOR**
- NUCLEAR RESEARCH AND TEST
- REACTORS
- .. KIWI REACTORS
- .. .. KIWI B REACTORS
- .. .. **KIWI B-4 REACTOR**

### KIWI REACTORS

- UF KIWI ROCKET REACTORS
- GS NUCLEAR ELECTRIC POWER
- GENERATION
- NUCLEAR POWER REACTORS
- .. **KIWI REACTORS**
- .. .. KIWI B REACTORS
- .. .. KIWI B-1 REACTOR
- .. .. KIWI B-4 REACTOR
- NUCLEAR REACTORS

### KIWI REACTORS-(CONT.)

- .. GAS COOLED REACTORS
- .. **KIWI REACTORS**
- .. .. KIWI B REACTORS
- .. .. KIWI B-1 REACTOR
- .. .. KIWI B-4 REACTOR
- NUCLEAR POWER REACTORS
- .. **KIWI REACTORS**
- .. .. KIWI B REACTORS
- .. .. KIWI B-1 REACTOR
- .. .. KIWI B-4 REACTOR
- NUCLEAR RESEARCH AND TEST
- REACTORS
- .. **KIWI REACTORS**
- .. .. KIWI B REACTORS
- .. .. KIWI B-1 REACTOR
- .. .. KIWI B-4 REACTOR
- RT NRX REACTORS
- NUCLEAR ENGINE FOR ROCKET
- VEHICLES
- PHOEBUS NUCLEAR REACTOR
- ROVER PROJECT

### KIWI ROCKET REACTORS

- USE KIWI REACTORS

### KJELDAHL METHOD

- GS CHEMICAL TESTS
- CHEMICAL ANALYSIS
- .. QUANTITATIVE ANALYSIS
- .. **KJELDAHL METHOD**
- RT AMMONIA
- ∞ METHODOLOGY
- NITROGEN
- TITRATION

### KLEBSIELLA

- GS MICROORGANISMS
- BACTERIA
- .. **KLEBSIELLA**

### KLEIN-DUNHAM POTENTIAL

- RT ∞ POTENTIAL
- QUANTUM THEORY

### KLEIN-GORDON EQUATION

- GS WAVE EQUATIONS
- .. **KLEIN-GORDON EQUATION**
- RT DIRAC EQUATION
- ∞ EQUATIONS

### KLIPPEN

- USE OUTLIERS (LANDFORMS)

### KLYSTRONS

- GS ELECTRON TUBES
- VACUUM TUBES
- .. MICROWAVE TUBES
- .. **KLYSTRONS**
- MICROWAVE EQUIPMENT
- .. MICROWAVE TUBES
- .. **KLYSTRONS**
- RT AMPLIFIERS
- CATCHERS
- CAVITY RESONATORS
- CYCLOTRON RESONANCE DEVICES
- ELECTRON BUNCHING
- ELECTRON CYCLOTRON HEATING
- ELECTROSTATIC GENERATORS
- MAGNETRONS
- MICROWAVE OSCILLATORS

### KNEE (ANATOMY)

- GS ANATOMY
- LIMBS (ANATOMY)
- .. LEG (ANATOMY)
- .. **KNEE (ANATOMY)**
- MUSCULOSKELETAL SYSTEM
- .. JOINTS (ANATOMY)
- .. **KNEE (ANATOMY)**
- APPENDAGES
- .. LEG (ANATOMY)
- .. **KNEE (ANATOMY)**
- RT FEMUR

### KNIGHT SHIFT

- USE NUCLEAR MAGNETIC RESONANCE

### KNOBS

- RT HANDLES
- LEVERS
- MANUAL CONTROL

### KNOOP HARDNESS

- GS MECHANICAL PROPERTIES
- HARDNESS
- .. **KNOOP HARDNESS**
- RT HARDNESS TESTS
- MICROHARDNESS

### KNOWLEDGE

- GS **KNOWLEDGE**
- PHILOSOPHY
- .. PARADOXES
- RT AXIOMS
- DOCUMENTATION
- EDUCATION
- LEARNING
- LITERATURE
- PERCEPTION
- TEXTBOOKS
- TRAINING EVALUATION

### KNOWLEDGE ENGINEERING

- USE EXPERT SYSTEMS

### KNOWLEDGE REPRESENTATION

- RT ARTIFICIAL INTELLIGENCE
- COGNITION
- EXPERT SYSTEMS
- NATURAL LANGUAGE (COMPUTERS)

### KNUDSEN CELLS

- USE KNUDSEN GAGES

### KNUDSEN FLOW

- UF KNUDSEN NUMBER
- GS FLUID FLOW
- .. DUCTED FLOW
- .. **KNUDSEN FLOW**
- .. GAS FLOW
- .. **KNUDSEN FLOW**
- RT BOUNDARY LAYER TRANSITION
- FREE MOLECULAR FLOW
- KINETIC THEORY
- MEAN FREE PATH
- MOLECULAR FLOW
- PRESSURE GRADIENTS
- RAREFIED GAS DYNAMICS
- TRANSITION POINTS
- VACUUM
- VISCOUS FLOW

### KNUDSEN GAGES

- UF KNUDSEN CELLS
- GS MEASURING INSTRUMENTS
- PRESSURE GAGES
- .. VACUUM GAGES
- .. **KNUDSEN GAGES**
- VACUUM APPARATUS
- .. VACUUM GAGES
- .. **KNUDSEN GAGES**
- RT IONIZATION GAGES
- MCLEOD GAGES
- PIRANI GAGES
- PRESSURE MEASUREMENT
- RADIOMETERS

### KNUDSEN NUMBER

- USE KNUDSEN FLOW

### KNURLING

- RT GROOVING
- MACHINING
- METAL CUTTING

### KOHOUTEK COMET

- GS CELESTIAL BODIES
- COMETS
- .. **KOHOUTEK COMET**
- RT BESSEL-BREDICHIN THEORY
- ∞ COMA
- RADIATION PRESSURE
- SOLAR SYSTEM

### KOLMOGOROFF THEORY

- RT ISOTROPIC TURBULENCE
- LAGRANGE SIMILARITY HYPOTHESIS
- SHEAR FLOW
- ∞ THEORIES
- TURBULENT FLOW
- VORTICES

### KOLMOGOROFF-SMIRNOFF TEST

- GS STATISTICAL ANALYSIS
- STATISTICAL TESTS
- .. **KOLMOGOROFF-SMIRNOFF TEST**

## LABORATORIES

### KONDO EFFECT

- GS ELECTRICAL PROPERTIES
  - . ELECTRICAL RESISTIVITY
  - . SUPERCONDUCTIVITY
  - . . . **KONDO EFFECT**
- TRANSPORT PROPERTIES
  - . ELECTRICAL RESISTIVITY
  - . SUPERCONDUCTIVITY
  - . . . **KONDO EFFECT**
- RT ALLOYS
  - ∞ EFFECTS
  - LOW TEMPERATURE PHYSICS
  - MAGNETIC MATERIALS
  - NUCLEAR SPIN
  - TRANSITION TEMPERATURE

### ∞ KOREA

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT NORTH KOREA
- SOUTH KOREA

### KORTEWEG-DEVRIES EQUATION

- GS WAVE EQUATIONS
  - . **KORTEWEG-DEVRIES EQUATION**
- RT ∞ EQUATIONS

### KOSSEL PATTERN

- GS DISTRIBUTION (PROPERTY)
  - . RADIATION DISTRIBUTION
  - . . . DIFFRACTION PATTERNS
  - . . . **KOSSEL PATTERN**
- RT CRYSTAL LATTICES

### KOVAR (TRADEMARK)

- GS ALLOYS
  - . **KOVAR (TRADEMARK)**
- RT COBALT ALLOYS

### KP INDEX

- GS RATIOS
  - . INDEXES (RATIOS)
  - . . . **KP INDEX**
- RT EARTH MAGNETOSPHERE
  - GEOMAGNETIC PULSATIONS
  - GEOMAGNETISM
  - ∞ INDEXES
  - MAGNETIC DISTURBANCES
  - MAGNETIC PROPERTIES
  - MAGNETIC VARIATIONS

### KRAFT PROCESS (WOODPULP)

- RT MANUFACTURING
  - PAPER (MATERIAL)
  - ∞ PROCESSES

### KRAMERS-KRONIG FORMULA

- RT ∞ DISPERSION
  - ∞ FORMULAS
  - OPACITY
  - SPECTRUM ANALYSIS

### KREBS CYCLE

- RT CELLS (BIOLOGY)
  - METABOLISM

### KREEP

- GS MINERALS
  - . **KREEP**
  - ROCKS
    - . LUNAR ROCKS
    - . . . **KREEP**
- RT GEOLOGY
  - LUNAR SOIL
  - PHOSPHATES
  - POTASSIUM
  - RARE EARTH ELEMENTS

### KRIGING

- RT VARIANCE (STATISTICS)

### KRONECKER PRODUCT

- USE ORTHOGONALITY

### KROOK EQUATION

- RT ∞ EQUATIONS
  - HYDRODYNAMICS
  - KINETIC THEORY
  - SHEAR FLOW
  - SHOCK WAVE PROFILES

### KRYPTON

- GS CHEMICAL ELEMENTS

### KRYPTON-(CONT.)

- . RARE GASES
  - . . . **KRYPTON**
  - . . . KRYPTON ISOTOPES
  - . . . KRYPTON 85
- GASES
  - . RARE GASES
  - . . . **KRYPTON**
  - . . . KRYPTON ISOTOPES
  - . . . KRYPTON 85

### KRYPTON FLUORIDE LASERS

- GS STIMULATED EMISSION DEVICES
  - . LASERS
    - . . . GAS LASERS
    - . . . **KRYPTON FLUORIDE LASERS**
    - . . . RARE GAS-HALIDE LASERS
    - . . . **KRYPTON FLUORIDE LASERS**
- RT COHERENT ELECTROMAGNETIC
  - RADIATION
    - LASING
    - MASERS
    - OPTICAL PUMPING

### KRYPTON ISOTOPES

- GS CHEMICAL ELEMENTS
  - . NUCLIDES
    - . . . ISOTOPES
    - . . . **KRYPTON ISOTOPES**
    - . . . KRYPTON 85
  - . RARE GASES
    - . . . **KRYPTON**
    - . . . **KRYPTON ISOTOPES**
    - . . . KRYPTON 85
  - GASES
    - . RARE GASES
    - . . . **KRYPTON**
    - . . . **KRYPTON ISOTOPES**
    - . . . KRYPTON 85

### KRYPTON 85

- GS CHEMICAL ELEMENTS
  - . NUCLIDES
    - . . . ISOTOPES
    - . . . KRYPTON ISOTOPES
    - . . . **KRYPTON 85**
    - . . . RADIOACTIVE ISOTOPES
    - . . . **KRYPTON 85**
  - . RARE GASES
    - . . . **KRYPTON**
    - . . . KRYPTON ISOTOPES
    - . . . **KRYPTON 85**
  - GASES
    - . RARE GASES
    - . . . **KRYPTON**
    - . . . KRYPTON ISOTOPES
    - . . . **KRYPTON 85**

### KU BAND

- USE SUPERHIGH FREQUENCIES

### KUIPER AIRBORNE OBSERVATORY

- USE C-141 AIRCRAFT

### KURILE ISLANDS

- GS LANDFORMS
  - . ISLANDS
    - . . . PACIFIC ISLANDS
    - . . . **KURILE ISLANDS**
- RT U.S.S.R.

### KURTOSIS

- GS DISTRIBUTION (PROPERTY)
  - . FREQUENCY DISTRIBUTION
  - . . . **KURTOSIS**
- RT ∞ DISTRIBUTION
  - FOURIER ANALYSIS
  - ∞ PATTERNS
  - STATISTICAL DISTRIBUTIONS

### KUTTA-JOUKOWSKI CONDITION

- GS CONDITIONS
  - . **KUTTA-JOUKOWSKI CONDITION**
- RT AIRFOIL PROFILES
  - BOUNDARY LAYER SEPARATION
  - JOUKOWSKI TRANSFORMATION

### KUWAIT

- GS NATIONS
  - . **KUWAIT**
- RT ASIA

### KWIC INDEXES

- GS CLASSIFICATIONS

### KWIC INDEXES-(CONT.)

- . INDEXES (DOCUMENTATION)
- . . . **KWIC INDEXES**
- RT ∞ INDEXES
  - THESAURI

## L

### L BAND

- USE ULTRAHIGH FREQUENCIES

### L-SAT

- UF EUROPEAN LARGE TELECOMM
  - SATELLITE
- GS ARTIFICIAL SATELLITES
  - . COMMUNICATION SATELLITES
  - . . . **L-SAT**
  - . . . ESA SATELLITES
  - . . . **L-SAT**
  - . . . ESA SPACECRAFT
  - . . . ESA SATELLITES
  - . . . **L-SAT**
- RT SATELLITE NETWORKS

### L-28 AIRCRAFT

- USE U-10 AIRCRAFT

### L-29 AIRCRAFT

- USE L-29 JET TRAINER

### L-29 JET TRAINER

- UF DELFIN AIRCRAFT
  - L-29 AIRCRAFT
  - OMNIPOL L-29 AIRCRAFT
- GS JET AIRCRAFT
  - . **L-29 JET TRAINER**
  - MONOPLANES
    - . **L-29 JET TRAINER**
    - SINGLE ENGINE AIRCRAFT
      - . **L-29 JET TRAINER**
      - TILT WING AIRCRAFT
        - . **L-29 JET TRAINER**
    - TRAINING AIRCRAFT
      - . **L-29 JET TRAINER**
    - V/STOL AIRCRAFT
      - . **L-29 JET TRAINER**

### L-1011 AIRCRAFT

- GS COMMERCIAL AIRCRAFT
  - . **L-1011 AIRCRAFT**
  - JET AIRCRAFT
    - . **L-1011 AIRCRAFT**
    - LOCKHEED AIRCRAFT
      - . **L-1011 AIRCRAFT**
      - PASSENGER AIRCRAFT
        - . **L-1011 AIRCRAFT**
        - TRANSPORT AIRCRAFT
          - . **L-1011 AIRCRAFT**
  - RT ∞ AIRCRAFT
    - TURBOFAN ENGINES

### L-2000 AIRCRAFT

- UF LOCKHEED L-2000 AIRCRAFT
  - JET AIRCRAFT
    - . **L-2000 AIRCRAFT**
    - LOCKHEED AIRCRAFT
      - . **L-2000 AIRCRAFT**
      - PASSENGER AIRCRAFT
        - . **L-2000 AIRCRAFT**
        - SUPERSONIC AIRCRAFT
          - . SUPERSONIC TRANSPORTS
            - . **L-2000 AIRCRAFT**
          - TRANSPORT AIRCRAFT
            - . **L-2000 AIRCRAFT**
    - RT ∞ AIRCRAFT

### LABELING (MARKING)

- USE MARKING

### LABOR

- RT MANPOWER
  - MEDIATION
  - PERSONNEL SELECTION

### LABORATORIES

- GS **LABORATORIES**
  - . ENGINE TESTING LABORATORIES
  - . ENVIRONMENTAL LABORATORIES
  - . HUMAN FACTORS LABORATORIES
  - . LUNAR MOBILE LABORATORIES
  - . LUNAR RECEIVING LABORATORY

## LABORATORY EQUIPMENT

### LABORATORIES-(CONT.)

- . SPACE LABORATORIES
- . . . ADVANCED TECHNOLOGY LABORATORY
- . . . ATMOSPHERIC CLOUD PHYSICS LAB (SPACELAB)
- . . . EARTH VIEWING APPLICATIONS LABORATORY
- . . . LONG DURATION EXPOSURE FACILITY
- . . . MANNED ORBITAL LABORATORIES
- . . . SKYLAB 1
- . . . SKYLAB 2
- . . . SKYLAB 3
- . . . SKYLAB 4
- . . . SPACELAB
- . . . UNDERWATER RESEARCH LABORATORIES
- RT EXPERIMENT DESIGN
- EXPERIMENTATION
- NUCLEAR RESEARCH
- RESEARCH FACILITIES
- SAIL PROJECT
- TEST FACILITIES
- ∞ TESTS

### LABORATORY EQUIPMENT

- GS LABORATORY EQUIPMENT
- . IMAGE FURNACES
- . SYRINGES
- RT AMPOULES
- ∞ EQUIPMENT
- GLASSWARE
- MEASURING INSTRUMENTS
- PIPETTES

### LABRADOR

- RT CANADA

### LABYRINTH

- GS ANATOMY
- . . . SENSE ORGANS
- . . . EAR
- . . . . LABYRINTH
- . . . . COCHLEA
- . . . . . CORTI ORGAN
- . . . . . OTOLITH ORGANS
- . . . . SEMICIRCULAR CANALS
- . . . . VESTIBULES

### LABYRINTH SEALS

- GS SEALS (STOPPERS)
- . LABYRINTH SEALS
- RT FLUID FLOW
- GASKETS
- GLANDS (SEALS)
- HERMETIC SEALS
- LEAKAGE
- O RING SEALS
- PACKINGS (SEALS)
- PLUGS
- PUMP SEALS
- ROTOR SPEED

### LABYRINTHECTOMY

- GS SURGERY
- . LABYRINTHECTOMY
- RT EAR

### LACATE (EXPERIMENT)

- UF LOWER ATMOSPHERIC COMPOSITION EXPERIMENT
- RT ATMOSPHERIC COMPOSITION
- ATMOSPHERIC TEMPERATURE
- LOWER ATMOSPHERE

### LACE (ENGINE)

- USE LIQUID AIR CYCLE ENGINES

### LACQUERS

- GS COATINGS
- . LACQUERS
- FINISHES
- . LACQUERS
- RT METAL COATINGS
- PRIMERS (COATINGS)
- PROTECTIVE COATINGS
- SPRAYED COATINGS

### LACTATES

- GS ESTERS
- . LACTATES

### LACTIC ACID

- GS ACIDS
- . CARBOXYLIC ACIDS
- . . LACTIC ACID
- ORGANIC COMPOUNDS
- . CARBOXYLIC ACIDS
- . . LACTIC ACID

### LACTOSE

- GS ORGANIC COMPOUNDS
- . CARBOHYDRATES
- . . SUGARS
- . . . LACTOSE

### LACUNAS

- RT LICHENS
- PLANTS (BOTANY)

### LADDERS

- RT ESCALATORS
- STAIRWAYS

### LAG (DELAY)

- USE TIME LAG

### LAGEOS (SATELLITE)

- UF LASER GEODYNAMIC SATELLITE
- GS ARTIFICIAL SATELLITES
- . PASSIVE SATELLITES
- . . LAGEOS (SATELLITE)
- RT LASER RANGE FINDERS
- RETROREFLECTION

### LAGOONS

- GS LANDFORMS
- . LAGOONS
- RT ATOLLS
- BARS (LANDFORMS)
- BEACHES
- COASTS
- DUNES
- INLETS (TOPOGRAPHY)
- ISLAND ARCS
- ISLANDS
- LAKES
- PONDS
- RESERVOIRS
- TOPOGRAPHY

### LAGRANGE COORDINATES

- GS COORDINATES
- . LAGRANGE COORDINATES
- RT CLASSICAL MECHANICS
- HYDRODYNAMICS
- LIBRATIONAL MOTION

### LAGRANGE EQUATIONS OF MOTION

- USE EULER-LAGRANGE EQUATION

### LAGRANGE MULTIPLIERS

- RT CHIRAL DYNAMICS
- DIFFERENTIAL EQUATIONS
- ISOPERIMETRIC PROBLEM
- MULTIPLIERS
- OPERATIONS RESEARCH
- OPTIMIZATION

### LAGRANGE SIMILARITY HYPOTHESIS

- GS HYPOTHESES
- . LAGRANGE SIMILARITY HYPOTHESIS
- THEOREMS
- . SIMILARITY THEOREM
- . . LAGRANGE SIMILARITY HYPOTHESIS
- RT ENERGY DISSIPATION
- ENERGY TRANSFER
- KINETIC ENERGY
- KOLMOGOROFF THEORY
- TURBULENT FLOW

### LAGRANGIAN EQUILIBRIUM POINTS

- GS GRAVITATIONAL EFFECTS
- . LAGRANGIAN EQUILIBRIUM POINTS
- RT CELESTIAL MECHANICS
- GRAVITATIONAL FIELDS
- ORBITAL MECHANICS

### LAGUERRE FUNCTIONS

- GS ANALYSIS (MATHEMATICS)
- . COMPLEX VARIABLES
- . . LAGUERRE FUNCTIONS
- FUNCTIONS (MATHEMATICS)
- . LAGUERRE FUNCTIONS
- RT ORTHOGONAL FUNCTIONS

### LAKE BEDS

- USE BEDS (GEOLOGY)

### LAKE CHAMPLAIN BASIN (NY-VT)

- GS LANDFORMS
- . STRUCTURAL BASINS
- . . LAKE CHAMPLAIN BASIN (NY-VT)
- RT CANADA
- LAKES
- NEW YORK
- VERMONT

### LAKE ERIE

- GS LAKES
- . GREAT LAKES (NORTH AMERICA)
- . . LAKE ERIE
- RT HYDROLOGY
- RIVERS
- STREAMS
- WATER
- WATER MANAGEMENT

### LAKE HURON

- GS LAKES
- . GREAT LAKES (NORTH AMERICA)
- . . LAKE HURON
- RT HYDROLOGY
- RIVERS
- SAGINAW BAY (MI)
- STREAMS
- WATER
- WATER MANAGEMENT

### LAKE ICE

- GS ICE
- . LAKE ICE
- . . ICE FLOES
- RT BAY ICE
- ICE FORMATION
- LAKES
- LAND ICE
- SEA ICE
- WATER

### LAKE MICHIGAN

- GS LAKES
- . GREAT LAKES (NORTH AMERICA)
- . . LAKE MICHIGAN
- RT HYDROLOGY
- RIVERS
- STREAMS
- WATER
- WATER MANAGEMENT

### LAKE ONTARIO

- GS LAKES
- . GREAT LAKES (NORTH AMERICA)
- . . LAKE ONTARIO
- RT HYDROLOGY
- RIVERS
- STREAMS
- WATER
- WATER MANAGEMENT

### LAKE PONTCHARTRAIN (LA)

- GS LAKES
- . LAKE PONTCHARTRAIN (LA)
- RT LOUISIANA

### LAKE SUPERIOR

- GS LAKES
- . GREAT LAKES (NORTH AMERICA)
- . . LAKE SUPERIOR
- RT HYDROLOGY
- RIVERS
- STREAMS
- WATER
- WATER MANAGEMENT

### LAKE TAHOE (CA-NV)

- GS LAKES
- . LAKE TAHOE (CA-NV)
- RT CALIFORNIA
- NEVADA

### LAKE TEXOMA (OK-TX)

- GS LAKES
- . LAKE TEXOMA (OK-TX)
- RT LIMNOLOGY
- OKLAHOMA
- RESERVOIRS
- TEXAS
- VADOSE WATER

**LAKES**

GS **LAKES**  
 . GREAT LAKES (NORTH AMERICA)  
 . . LAKE ERIE  
 . . LAKE HURON  
 . . LAKE MICHIGAN  
 . . LAKE ONTARIO  
 . . LAKE SUPERIOR  
 . GREAT SALT LAKE (UT)  
 . LAKE PONTCHARTRAIN (LA)  
 . LAKE TAHOE (CA-NV)  
 . LAKE TEXOMA (OK-TX)  
 . PYRAMID LAKE (NV)  
 RT  
 . AQUIFERS  
 . BAYOUS  
 . BEACHES  
 . COASTS  
 . EARTH HYDROSPHERE  
 . EUTROPHICATION  
 . INLAND WATERS  
 . KETTLES (GEOLOGY)  
 . LAGOONS  
 . LAKE CHAMPLAIN BASIN (NY-VT)  
 . LAKE ICE  
 . LIMNOLOGY  
 . PLAYAS  
 . PONDS  
 . REGIONAL PLANNING  
 . RESERVOIRS  
 . RIVER BASINS  
 . SHOALS  
 . SHORELINES  
 . SPRINGS (WATER)  
 . STRAITS  
 . SURFACE WATER  
 . THERMAL POLLUTION  
 . WATER CIRCULATION  
 . WATER COLOR  
 . WATER DEPTH  
 . WATER RESOURCES  
 . WATERWAYS

**LALLEMAND CAMERAS**

GS OPTICAL EQUIPMENT  
 . CAMERAS  
 . . **LALLEMAND CAMERAS**  
 . PHOTOGRAPHIC EQUIPMENT  
 . CAMERAS  
 . . **LALLEMAND CAMERAS**  
 RT ASTRONOMICAL PHOTOGRAPHY  
 . ELECTRO-OPTICAL PHOTOGRAPHY  
 . IMAGE CONVERTERS  
 . IMAGE INTENSIFIERS  
 . IMAGE TRANSDUCERS  
 . LIGHT AMPLIFIERS  
 . SPECTROSCOPY  
 . TELEVISION CAMERAS

**LAMB WAVES**

GS ELASTIC WAVES  
 . SOUND WAVES  
 . . **LAMB WAVES**  
 RT ACOUSTIC PROPERTIES  
 . ACOUSTICS  
 . STURM-LIOUVILLE THEORY  
 . ULTRASONIC TESTS

**LAMBDA ROCKET VEHICLES**

GS ROCKET VEHICLES  
 . MULTISTAGE ROCKET VEHICLES  
 . . **LAMBDA ROCKET VEHICLES**  
 . SOUNDING ROCKETS  
 . . **LAMBDA ROCKET VEHICLES**  
 RT SOLID PROPELLANT ROCKET ENGINES  
 . VEHICLES

**LAMBDA TAURI STARS**

GS CELESTIAL BODIES  
 . STARS  
 . . DOUBLE STARS  
 . . . BINARY STARS  
 . . . ECLIPSING BINARY STARS  
 . . . **LAMBDA TAURI STARS**  
 . . . VARIABLE STARS  
 . . . **LAMBDA TAURI STARS**

**LAMBERT LAW**

USE BOUGUER LAW

**LAMBERT SURFACE**

RT REFLECTION  
 . SURFACE GEOMETRY  
 . SURFACES

**LAME FUNCTIONS**

GS FUNCTIONS (MATHEMATICS)  
 . **LAME FUNCTIONS**  
 RT BOUNDARY VALUE PROBLEMS  
 . DIFFERENTIAL EQUATIONS

**LAME WAVE EQUATIONS**

GS ANALYSIS (MATHEMATICS)  
 . REAL VARIABLES  
 . . DIFFERENTIAL EQUATIONS  
 . . . **LAME WAVE EQUATIONS**  
 . WAVE EQUATIONS  
 . **LAME WAVE EQUATIONS**  
 RT ACOUSTICS  
 . ELASTIC WAVES  
 . EQUATIONS  
 . STURM-LIOUVILLE THEORY  
 . WAVE PROPAGATION

**LAMELLA**

GS PHYSIOLOGY  
 . **LAMELLA**  
 RT BONES

**LAMELLA (METALLURGY)**

RT ALUMINUM ALLOYS  
 . COPPER ALLOYS  
 . CRYSTALLOGRAPHY  
 . EUTECTIC ALLOYS  
 . MICROSTRUCTURE

**LAMINA**

USE LAYERS

**LAMINAR BOUNDARY LAYER**

UF LAMINAR BOUNDARY LAYER  
 . SEPARATION  
 . LAMINAR FLOW CONTROL  
 . BOUNDARY LAYERS  
 . **LAMINAR BOUNDARY LAYER**  
 RT BOUNDARY LAYER COMBUSTION  
 . BOUNDARY LAYER TRANSITION  
 . COMPRESSIBLE BOUNDARY LAYER  
 . GOERTLER INSTABILITY  
 . HYPERSONIC BOUNDARY LAYER  
 . INCOMPRESSIBLE BOUNDARY LAYER  
 . INTERACTIONAL AERODYNAMICS  
 . ISOTHERMAL LAYERS  
 . POHLHAUSEN METHOD  
 . SUPERSONIC BOUNDARY LAYERS  
 . THERMAL BOUNDARY LAYER  
 . THREE DIMENSIONAL BOUNDARY LAYER  
 . TURBULENT BOUNDARY LAYER  
 . TWO DIMENSIONAL BOUNDARY LAYER  
 . X-21 AIRCRAFT

**LAMINAR BOUNDARY LAYER SEPARATION**

USE LAMINAR BOUNDARY LAYER

**LAMINAR FLAMES**

USE FLAMES  
 . LAMINAR FLOW

**LAMINAR FLOW**

UF LAMINAR FLAMES  
 . LAMINAR JETS  
 . POISEUILLE FLOW  
 . STREAMLINE FLOW  
 . FLUID FLOW  
 . **LAMINAR FLOW**  
 . . BLASIUS FLOW  
 . . HARTMANN FLOW  
 . . STRATIFIED FLOW  
 RT AERODYNAMICS  
 . ATMOSPHERIC TURBULENCE  
 . BOUNDARY LAYER TRANSITION  
 . CAPILLARY FLOW  
 . CRITICAL FLOW  
 . FALKNER-SKAN EQUATION  
 . FLOW CHARACTERISTICS  
 . FLOW GEOMETRY  
 . FLOW STABILITY  
 . FORCED CONVECTION  
 . FREE CONVECTION  
 . GAS FLOW  
 . GAS STREAMS  
 . INVISCID FLOW  
 . LIQUID FLOW  
 . LOW REYNOLDS NUMBER  
 . MASS FLOW  
 . MULTIPHASE FLOW  
 . NEWTON PRESSURE LAW  
 . OPEN CHANNEL FLOW  
 . ORIFICE FLOW  
 . PARALLEL FLOW

**LAMINAR FLOW-(CONT.)**

PIPE FLOW  
 . PRANDTL-MEYER EXPANSION  
 . RAYLEIGH-BENARD CONVECTION  
 . REYNOLDS NUMBER  
 . ROSHKO PREDICTION  
 . SINGLE-PHASE FLOW  
 . STEADY FLOW  
 . STEAM FLOW  
 . TOLLMEIN-SCHLICHTING WAVES  
 . TRANSITION LAYERS  
 . TURBULENT FLOW  
 . TWO PHASE FLOW  
 . UNIFORM FLOW  
 . UNSTEADY FLOW  
 . VISCOUS DRAG  
 . VISCOUS FLOW  
 . WEDGE FLOW  
 . X-21A AIRCRAFT

**LAMINAR FLOW AIRFOILS**

GS AIRFOILS  
 . **LAMINAR FLOW AIRFOILS**

**LAMINAR FLOW CONTROL**

USE BOUNDARY LAYER CONTROL  
 . LAMINAR BOUNDARY LAYER

**LAMINAR HEAT TRANSFER**

GS TRANSMISSION  
 . HEAT TRANSMISSION  
 . . HEAT TRANSFER  
 . . . **LAMINAR HEAT TRANSFER**  
 RT CONDUCTIVE HEAT TRANSFER  
 . CONVECTIVE HEAT TRANSFER  
 . THERMOHYDRAULICS  
 . TURBULENT HEAT TRANSFER

**LAMINAR JETS**

USE JET FLOW  
 . LAMINAR FLOW

**LAMINAR MIXING**

GS MIXING  
 . **LAMINAR MIXING**  
 RT FLUID INJECTION  
 . GAS MIXTURES  
 . TURBULENT MIXING

**LAMINAR WAKES**

GS WAKES  
 . **LAMINAR WAKES**  
 RT AIRCRAFT WAKES  
 . TURBULENT WAKES

**LAMINATED MATERIALS**

USE LAMINATES

**LAMINATES**

UF LAMINATED MATERIALS  
 . LAMINATIONS  
 . MULTILAYER STRUCTURES  
 . COMPOSITE MATERIALS  
 . **LAMINATES**  
 . . BORAL  
 . . . PLYWOOD  
 . COMPOSITE STRUCTURES  
 . **LAMINATES**  
 . . BORAL  
 . . . PLYWOOD  
 RT BONDING  
 . BORON-EPOXY COMPOSITES  
 . CLADDING  
 . COATINGS  
 . FABRICS  
 . FIBER COMPOSITES  
 . FILAMENT WINDING  
 . FILMS  
 . FORMICA  
 . GLASS FIBER REINFORCED PLASTICS  
 . HONEYCOMB STRUCTURES  
 . INTERLAYERS  
 . LAY-UP  
 . LAYERS  
 . MAGNETIC CORES  
 . MATERIALS  
 . MATRIX MATERIALS  
 . METAL BONDING  
 . METALLIZING  
 . MULTILAYER INSULATION  
 . PAPERS  
 . PLATING  
 . PLY ORIENTATION  
 . POLYMER MATRIX COMPOSITES  
 . PREPREGS



## LAMINATIONS

### LAMINATES-(CONT.)

REINFORCED PLASTICS  
REINFORCED PLATES  
SANDWICH STRUCTURES  
∞ SHEETS  
SUBSTRATES  
THERMOSETTING RESINS  
VENEERS

### LAMINATIONS

USE LAMINATES

### LAMPS

USE LUMINAIRES

### LAMPS PROGRAM

USE LIGHT AIRBORNE MULTIPURPOSE  
SYSTEM

### LAN (COMPUTER NETWORKS)

USE LOCAL AREA NETWORKS

### LANCE MISSILE

GS MISSILES  
. SURFACE TO SURFACE MISSILES  
. . . LANCE MISSILE  
RT LIQUID PROPELLANT ROCKET ENGINES  
TRAILBLAZER 1 REENTRY VEHICLE  
TX-77 ENGINE

### LAND

GS LAND  
. ALLEGHENY PLATEAU (US)  
. ARID LANDS  
. BADLANDS  
. BARREN LAND  
. CASCADE RANGE (CA-OR-WA)  
. COLORADO PLATEAU (US)  
. DESERTS  
. . . GOBI DESERT  
. . . LIBYAN DESERT  
. . . MOJAVE DESERT (CA)  
. . . SAHARA DESERT (AFRICA)  
. FARMLANDS  
. GRASSLANDS  
. LLANOS ORIENTALES (COLOMBIA)  
. ISTHMUSES  
. MARSHLANDS  
. PARKS  
. . . NATIONAL PARKS  
. . . YELLOWSTONE NATIONAL PARK  
. (ID-MT-WY)  
. PLAINS  
. . . COASTAL PLAINS  
. . . FLOOD PLAINS  
. . . LLANOS ORIENTALES (COLOMBIA)  
. . . PAMPAS  
. . . PENEPLAINS  
. . . PLAYAS  
. . . TUNDRA  
. RANGELANDS  
. WETLANDS  
RT CAPES (LANDFORMS)  
DESERTIFICATION  
DESERTLINE  
PENINSULAS  
RESIDENTIAL AREAS  
RURAL AREAS  
RURAL LAND USE  
SITES  
SOD  
SOILS  
TOPOGRAPHY

### LAND ICE

UF ICE SHELVES  
GS ICE  
. LAND ICE  
RESOURCES  
. EARTH RESOURCES  
. . . LAND ICE  
RT ANTARCTIC REGIONS  
GLACIAL DRIFT  
GLACIERS  
ICEBERGS  
LAKE ICE  
SEA ICE

### LAND MANAGEMENT

GS MANAGEMENT  
. RESOURCES MANAGEMENT  
. . . LAND MANAGEMENT  
RT ENVIRONMENT MANAGEMENT  
REGIONAL PLANNING  
RURAL LAND USE

### LAND MANAGEMENT-(CONT.)

URBAN PLANNING  
WILDERNESS

### LAND MOBILE SATELLITE SERVICE

GS MOBILE COMMUNICATION SYSTEMS  
. LAND MOBILE SATELLITE SERVICE  
RT COMMUNICATION SATELLITES  
GROUND STATIONS  
MSAT  
RADIO COMMUNICATION

### LAND USE

GS LAND USE  
. RURAL LAND USE  
RT AGRISTARS PROJECT  
AIRPORT PLANNING  
BARREN LAND  
CHANGE DETECTION  
CONSERVATION  
DESERTIFICATION  
∞ DEVELOPMENT  
EARTH RESOURCES  
ECONOMIC DEVELOPMENT  
ENERGY POLICY  
ENVIRONMENT MANAGEMENT  
EXPLOITATION  
∞ FACILITIES  
FARMLANDS  
FOREST MANAGEMENT  
GRASSLANDS  
INDUSTRIAL AREAS  
LANDFILLS  
LEASING  
RESIDENTIAL AREAS  
SITE SELECTION  
SPOT (FRENCH SATELLITE)  
STARSITE PROGRAM  
SUBURBAN AREAS  
URBAN DEVELOPMENT  
URBAN PLANNING  
URBAN RESEARCH

### LANDAU DAMPING

GS DAMPING  
. LANDAU DAMPING  
RT ELECTRON PLASMA  
LANDAU FACTOR  
PHASE VELOCITY  
PLASMA WAVES  
SPACE CHARGE

### LANDAU FACTOR

RT ATOMIC ENERGY LEVELS  
ATOMIC THEORY  
LANDAU DAMPING  
PLASMAS (PHYSICS)  
SUPERCONDUCTIVITY

### LANDAU-GINZBURG EQUATIONS

RT ∞ EQUATIONS  
QUANTUM ELECTRODYNAMICS  
SUPERCONDUCTIVITY

### LANDFILLS

RT INDUSTRIAL WASTES  
LAND USE  
METHANE  
SOLID WASTES  
WASTE DISPOSAL  
WASTE UTILIZATION  
WATER POLLUTION

### LANDFORMS

GS LANDFORMS  
. ARROYOS  
. BARRIERS (LANDFORMS)  
. . . OUTER BANKS (NC)  
. . . REEFS  
. BARS (LANDFORMS)  
. BEDS (GEOLOGY)  
. . . SALT BEDS  
. BRIDGES (LANDFORMS)  
. CALDERAS  
. CANALS  
. CANYONS  
. . . GRAND CANYON (AZ)  
. CAPES (LANDFORMS)  
. . . CAPE HATTERAS (NC)  
. CONES (VOLCANOES)  
. CUSPS (LANDFORMS)  
. DEATH VALLEY (CA)  
. DELTAS  
. . . MISSISSIPPI DELTA (LA)  
. . . RHONE DELTA (FRANCE)

### LANDFORMS-(CONT.)

. DIVIDES (LANDFORMS)  
. DUNES  
. ESCARPMENTS  
. FANS (LANDFORMS)  
. FIORDS  
. FLATS (LANDFORMS)  
. TIDAL FLATS  
. GAPS (GEOLOGY)  
. INLETS (TOPOGRAPHY)  
. BAYOUS  
. . . COOK INLET (AK)  
. INLIERS (LANDFORMS)  
. ISLAND ARCS  
. ISLANDS  
. . . ALEUTIAN ISLANDS (US)  
. . . ASSATEAGUE ISLAND (MD-VA)  
. . . ATOLLS  
. . . BAHRAIN  
. . . BERMUDA  
. . . CANARY ISLANDS  
. . . CYPRUS  
. . . GREENLAND  
. . . HAWAII  
. . . ICELAND  
. . . INDONESIA  
. . . IRELAND  
. . . KEYS (ISLANDS)  
. . . LONG ISLAND (NY)  
. . . MALAGASY REPUBLIC  
. . . MALDIVE ISLANDS  
. . . MALTA  
. . . MERRITT ISLAND (FL)  
. . . NEWFOUNDLAND  
. . . NUNATAKS  
. . . PACIFIC ISLANDS  
. . . GUAM  
. . . JAPAN  
. . . JOHNSTON ISLAND  
. . . KURILE ISLANDS  
. . . NEW GUINEA (ISLAND)  
. . . NEW ZEALAND  
. . . PHILIPPINES  
. . . SAMOA  
. . . PRINCE EDWARD ISLAND  
. . . SICILY  
. . . TASMANIA  
. . . WALLOPS ISLAND  
. . . WEST INDIES  
. . . BAHAMAS  
. . . BARBADOS  
. . . CUBA  
. . . DOMINICA  
. . . GUADELOUPE  
. . . HAITI  
. . . JAMAICA  
. . . LESSER ANTILLES  
. . . MARTINIQUE  
. . . PUERTO RICO  
. . . TRINIDAD AND TOBAGO  
. . . VIRGIN ISLANDS  
. ISTHMUSES  
. LAGOONS  
. MAGDALENA-CAUCA VALLEY  
. (COLOMBIA)  
. MASSIFS  
. MOUNTAINS  
. . . ADIRONDACK MOUNTAINS (NY)  
. . . ALPS MOUNTAINS (EUROPE)  
. . . ANDES MOUNTAINS (SOUTH  
. AMERICA)  
. . . APPALACHIAN MOUNTAINS (NORTH  
. AMERICA)  
. . . BIGHORN MOUNTAINS (MT-WY)  
. . . BLACK HILLS (SD-WY)  
. . . CARPATHIAN MOUNTAINS (EUROPE)  
. . . CASCADE RANGE (CA-OR-WA)  
. . . CAUCASUS MOUNTAINS (U.S.S.R.)  
. . . COASTAL RANGES (CA)  
. . . GREAT SMOKY MOUNTAINS (NC-TN)  
. . . HIMALAYAS  
. . . PENINSULAR RANGES (CA)  
. . . PYRENEES MOUNTAINS (EUROPE)  
. . . ROCKY MOUNTAINS (NORTH  
. AMERICA)  
. . . SAN JUAN MOUNTAINS (CO)  
. . . SIERRA NEVADA MOUNTAINS (CA)  
. . . WIND RIVER RANGE (WY)  
. . . WRANGELL MOUNTAINS (AK)  
. MUSKEGS  
. OUTLIERS (LANDFORMS)  
. PANAMA CANAL ZONE  
. PEAKS (LANDFORMS)  
. . . PIKE'S PEAK (CO)  
. PENINSULAS  
. . . DELMARVA PENINSULA (DE-MD-VA)

## LANDMARKS

### LANDFORMS-(CONT.)

- . PHOENIX QUADRANGLE (AZ)
- . PLAYAS
- . RAVINES
- . ST LAWRENCE VALLEY (NORTH AMERICA)
- . STEPPES
- . STRUCTURAL BASINS
- . CIRQUES (LANDFORMS)
- . GREAT BASIN (US)
- . KALAHARI BASIN (AFRICA)
- . KARST
- . SINKHOLES
- . KETTLES (GEOLOGY)
- . LAKE CHAMPLAIN BASIN (NY-VT)
- . RIVER BASINS
- . ATCHAFALAYA RIVER BASIN (LA)
- . CHENA RIVER BASIN (AK)
- . COLUMBIA RIVER BASIN (ID-OR-WA)
- . DELAWARE RIVER BASIN (US)
- . FEATHER RIVER BASIN (CA)
- . MISSOURI RIVER BASIN (US)
- . SUSQUEHANNA RIVER BASIN (MD-NY-PA)
- . WABASH RIVER BASIN (IL-IN-OH)
- . WADIS
- . WATERSHEDS
- . WILLISTON BASIN (NORTH AMERICA)
- . TERRACES (LANDFORMS)
- . PLATEAUS
- . ALLEGHENY PLATEAU (US)
- . COLORADO PLATEAU (US)
- . MESAS
- . BUTTES
- . PIEDMONTS
- . CENTRAL PIEDMONT (US)
- . TUNDRA
- . VOLCANOES
- . MARS VOLCANOES
- RT ARCHIPELAGOES
- . CROSSBEDDING (GEOLOGY)
- . DITCHES
- . EARTHQUAKE RESISTANCE
- ∞ FAULTS
- . GEOLOGICAL FAULTS
- . GLACIAL DRIFT
- . LANDMARKS
- . LANDSLIDES
- . PLAINS
- ∞ PLATFORMS
- ∞ RIDGES
- . SEAMOUNTS
- . SLOPES
- . STRUCTURAL PROPERTIES (GEOLOGY)
- . TERRAIN
- . TOPOGRAPHY

### LANDING

- GS LANDING
- . AIRCRAFT LANDING
- . CRASH LANDING
- . DITCHING (LANDING)
- . SKID LANDINGS
- . BLIND LANDING
- . GLIDE LANDINGS
- . HORIZONTAL SPACECRAFT LANDING
- . HARD LANDING
- . SOFT LANDING
- . SPACECRAFT LANDING
- . HORIZONTAL SPACECRAFT LANDING
- . LUNAR LANDING
- . MARS LANDING
- . PLANETARY LANDING
- . TOUCHDOWN
- . VERTICAL LANDING
- . WATER LANDING
- . DITCHING (LANDING)
- RT AIR TRAFFIC CONTROL
- . APPROACH
- . APPROACH AND LANDING TESTS (STS)
- . ARRIVALS
- . GUIDANCE (MOTION)
- . INSTRUMENT FLIGHT RULES
- . INSTRUMENT LANDING SYSTEMS
- . MANEUVERS
- . RUNWAYS
- . TAKEOFF
- . VISUAL FLIGHT

### LANDING AIDS

- UF LANDING SYSTEMS
- GS LANDING AIDS
- . AIRPORT BEACONS
- . DISCRETE ADDRESS BEACON SYSTEM

### LANDING AIDS-(CONT.)

- . AIRPORT LIGHTS
- . RUNWAY LIGHTS
- . ARRESTING GEAR
- . INSTRUMENT LANDING SYSTEMS
- . ALL-WEATHER LANDING SYSTEMS
- . AUTOMATIC LANDING CONTROL
- . LANDING INSTRUMENTS
- . APPROACH INDICATORS
- . LANDING RADAR
- . MICROVISION LANDING AID
- . MICROWAVE LANDING SYSTEMS
- . MICROWAVE SCANNING BEAM LANDING SYSTEM
- RT ∞ AIDS
- . AIR TRAFFIC CONTROL
- . AIR TRAFFIC CONTROLLERS (PERSONNEL)
- . AIRBORNE RADAR APPROACH
- . AIRCRAFT EQUIPMENT
- . AIRCRAFT INSTRUMENTS
- . AIRCRAFT LANDING
- . AIRCRAFT SAFETY
- . AIRPORT TOWERS
- . AIRPORTS
- . ANTISKID DEVICES
- . APPROACH
- . APPROACH CONTROL
- . AUTOMATIC PILOTS
- . DELAYED FLAP APPROACH
- . GROUND BASED CONTROL
- . GROUND SUPPORT EQUIPMENT
- . HEAD-UP DISPLAYS
- . HELIPORTS
- . INSTRUMENT APPROACH
- . MILITARY AIR FACILITIES
- . NATIONAL AVIATION SYSTEM
- . NAVIGATION AIDS
- . PLAT SYSTEM
- . RADAR APPROACH CONTROL
- . RADIO BEACONS
- . RUNWAYS
- . SAFETY DEVICES
- . SOLAR COMPASSES

### LANDING GEAR

- UF RETRACTABLE LANDING GEAR
- RT AIRCRAFT PARTS
- . AIRCRAFT TIRES
- . AIRFRAMES
- ∞ BICYCLE
- . BRAKES (FOR ARRESTING MOTION)
- . CARRIAGES
- . FAIRINGS
- . FLOATS
- ∞ GEAR
- . HYDROFOILS
- . NOSE WHEELS
- . RETRACTABLE EQUIPMENT
- . SELF ALIGNMENT
- . SHOCK ABSORBERS
- . SKIDDING
- . SKIS
- . SPRAY INGESTION
- . TIRES
- . UNDERCARRIAGES
- . VEHICLE WHEELS
- . WHEEL BRAKES
- . WHEELS

### LANDING INSTRUMENTS

- GS LANDING AIDS
- . LANDING INSTRUMENTS
- . APPROACH INDICATORS
- RT AIR TRAFFIC CONTROL
- . AIRCRAFT EQUIPMENT
- . AIRCRAFT INSTRUMENTS
- . ALTIMETERS
- . AUTOMATIC CONTROL
- . BLIND LANDING
- . FLIGHT INSTRUMENTS
- . INSTRUMENT LANDING SYSTEMS
- . MANUAL CONTROL
- . MEASURING INSTRUMENTS
- . RADAR APPROACH CONTROL
- . SPEED INDICATORS

### LANDING LOADS

- GS LOADS (FORCES)
- . DYNAMIC LOADS
- . TRANSIENT LOADS
- . LANDING LOADS
- RT DECELERATION
- . IMPACT LOADS
- . SHOCK LOADS

### LANDING LOADS-(CONT.)

STRUCTURAL DESIGN CRITERIA

### LANDING MATS

- RT AIRCRAFT LANDING
- . AIRPORTS
- . MILITARY AIR FACILITIES
- . RUNWAYS

### LANDING MODULES

- GS MODULES
- . SPACECRAFT MODULES
- . LANDING MODULES
- . LUNAR LANDING MODULES
- . LUNAR MODULE
- . LSSM
- . MARS EXCURSION MODULE
- . SOFT LANDING SPACECRAFT
- . LANDING MODULES
- . LUNAR LANDING MODULES
- . LUNAR MODULE
- . APOLLO LUNAR EXPERIMENT MODULE
- . LSSM
- . LUNAR MODULE 5
- . LUNAR MODULE 7
- . MARS EXCURSION MODULE
- . SPACECRAFT COMPONENTS
- . SPACECRAFT MODULES
- . LANDING MODULES
- . LUNAR LANDING MODULES
- . LUNAR MODULE
- . LSSM
- . MARS EXCURSION MODULE
- RT APOLLO SPACECRAFT
- . INTERPLANETARY SPACECRAFT
- . LAUNCH VEHICLES
- . MANEUVERABLE SPACECRAFT
- . MANNED SPACECRAFT
- . REENTRY VEHICLES
- . REUSABLE SPACECRAFT
- . SPACE CAPSULES
- . SPACECRAFT DOCKING MODULES

### LANDING RADAR

- GS LANDING AIDS
- . LANDING RADAR
- . RADAR
- . LANDING RADAR
- RT AIR TRAFFIC CONTROL
- . AIRCRAFT LANDING
- . AIRCRAFT SAFETY
- . APPROACH CONTROL
- . INSTRUMENT APPROACH
- . RADAR APPROACH CONTROL

### LANDING SIMULATION

- GS SIMULATION
- . LANDING SIMULATION
- RT ALTITUDE SIMULATION
- . ATMOSPHERIC ENTRY SIMULATION
- . COMPUTERIZED SIMULATION
- . FLIGHT SIMULATION
- . SPACECRAFT LANDING
- . TRAINING SIMULATORS

### LANDING SITES

- GS SITES
- . LANDING SITES
- . LUNAR LANDING SITES
- RT HELIPORTS
- . RECOVERY ZONES
- . RUNWAYS
- . TRAJECTORY CONTROL

### LANDING SPEED

- GS RATES (PER TIME)
- . LANDING SPEED
- . VELOCITY
- . LANDING SPEED
- RT HIGH SPEED
- . LOW SPEED

### LANDING SYSTEMS

USE LANDING AIDS

### LANDMARKS

- RT LANDFORMS
- . TERRAIN
- . TOPOGRAPHY

## LANDSAT E

### LANDSAT E

UF EARTH RESOURCES TECHNOLOGY  
SATELLITE E  
EOS-A  
ERTS-E  
GS ARTIFICIAL SATELLITES  
LANDSAT SATELLITES  
LANDSAT E

### LANDSAT F

UF EARTH RESOURCES TECHNOLOGY  
SATELLITE F  
EOS-B  
ERTS-F  
GS ARTIFICIAL SATELLITES  
LANDSAT SATELLITES  
LANDSAT F

### LANDSAT FOLLOW-ON MISSIONS

UF LFO  
RT MISSIONS  
MULTIMISSON MODULAR SPACECRAFT

### LANDSAT SATELLITES

UF EARTH RESOURCES TECHNOLOGY  
SATELLITES  
EOS  
ERTS  
GS ARTIFICIAL SATELLITES  
LANDSAT SATELLITES  
LANDSAT E  
LANDSAT F  
LANDSAT 1  
LANDSAT 2  
LANDSAT 3  
LANDSAT 4  
LANDSAT 5  
RT AGRISTARS PROJECT  
EARTH OBSERVATIONS (FROM SPACE)  
EARTHNET  
MAPSAT  
NASA PROGRAMS  
OCEANOGRAPHY  
SATELLITE OBSERVATION  
SEASAT PROGRAM  
SEASAT SATELLITES  
SEASAT 1  
SEASAT-B SATELLITE  
SYNCHRONOUS EARTH OBSERVATORY  
SATELLITE

### LANDSAT 1

UF EARTH RESOURCES TECHNOLOGY  
SATELLITE 1  
ERTS-A  
GS ARTIFICIAL SATELLITES  
LANDSAT SATELLITES  
LANDSAT 1

### LANDSAT 2

UF EARTH RESOURCES TECHNOLOGY  
SATELLITE B  
ERTS-B  
GS ARTIFICIAL SATELLITES  
LANDSAT SATELLITES  
LANDSAT 2

### LANDSAT 3

UF EARTH RESOURCES TECHNOLOGY  
SATELLITE C  
ERTS-C  
GS ARTIFICIAL SATELLITES  
LANDSAT SATELLITES  
LANDSAT 3  
RT PLASMA INTERACTION EXPERIMENT

### LANDSAT 4

UF EARTH RESOURCES TECHNOLOGY  
SATELLITE D  
ERTS-D  
GS ARTIFICIAL SATELLITES  
LANDSAT SATELLITES  
LANDSAT 4  
RT THEMATIC MAPPERS (LANDSAT)

### LANDSAT 5

GS ARTIFICIAL SATELLITES  
LANDSAT SATELLITES  
LANDSAT 5  
RT THEMATIC MAPPERS (LANDSAT)

### LANDSCAPE

USE TERRAIN  
TOPOGRAPHY

### LANDSLIDES

GS EARTH MOVEMENTS  
LANDSLIDES  
RT CLIFFS  
FLOOD DAMAGE  
LANDFORMS  
RAIN EROSION  
ROCKS  
SLOPES  
SOIL EROSION  
SOILS  
STORM DAMAGE

### LANES

USE PATHS

### LANGVIN FORMULA

RT DISPERSING  
FERROMAGNETISM  
MAGNETIC MOMENTS

### LANGLEY COMPLEX COORDINATOR

GS SIMULATORS  
ENVIRONMENT SIMULATORS  
SPACE SIMULATORS  
LANGLEY COMPLEX COORDINATOR  
RT FLIGHT SIMULATORS  
GRAVITATIONAL EFFECTS  
ROTATING ENVIRONMENTS  
SPACE ENVIRONMENT SIMULATION  
SPACECRAFT ENVIRONMENTS  
WEIGHTLESSNESS SIMULATION

### LANGMUIR PROBES

USE ELECTROSTATIC PROBES

### LANGUAGE PROGRAMMING

GS SOFTWARE ENGINEERING  
COMPUTER PROGRAMMING  
LANGUAGE PROGRAMMING  
RT COMPUTER ASSISTED INSTRUCTION  
DATA PROCESSING  
HIGH LEVEL LANGUAGES  
LANGUAGES  
MACHINE ORIENTED LANGUAGES  
MACHINE TRANSLATION  
SYMBOLIC PROGRAMMING  
TRANSLATORS

### LANGUAGES

GS LANGUAGES  
COMMAND LANGUAGES  
QUERY LANGUAGES  
ENGLISH LANGUAGE  
ORTHOGRAPHY  
PROGRAMMING LANGUAGES  
ALGOL  
APL (PROGRAMMING LANGUAGE)  
ASSEMBLY LANGUAGE  
AUTOCODERS  
COMPASS (PROGRAMMING LANGUAGE)  
MAP (PROGRAMMING LANGUAGE)  
BASIC (PROGRAMMING LANGUAGE)  
COBOL  
COGO (PROGRAMMING LANGUAGE)  
CONTEXT FREE LANGUAGES  
FORTRAN  
HAL/S (LANGUAGE)  
HIGH LEVEL LANGUAGES  
ADA (PROGRAMMING LANGUAGE)  
LISP (PROGRAMMING LANGUAGE)  
MACHINE ORIENTED LANGUAGES  
MARVS (PROGRAMMING LANGUAGE)  
SLEUTH (PROGRAMMING LANGUAGE)  
NATURAL LANGUAGE (COMPUTERS)  
PASCAL (PROGRAMMING LANGUAGE)  
PL/1  
PROLOG (PROGRAMMING LANGUAGE)  
SENTENCES  
WORDS (LANGUAGE)  
SYLLABLES  
RT ALPHABETS  
ARTICULATION (SPEECH)  
CODING  
COMMUNICATION THEORY  
GRAMMARS  
LANGUAGE PROGRAMMING  
LINGUISTICS  
MACHINE TRANSLATION  
PHONEMES  
PHONEMICS  
PHONETICS

### LANGUAGES-(CONT.)

SEMANTICS  
SPEECH  
SYMBOLS  
SYNTAX  
TRANSLATING  
VERBAL COMMUNICATION  
VOWELS

### LANTHANIDE SERIES METALS

USE RARE EARTH ELEMENTS

### LANTHANUM

GS CHEMICAL ELEMENTS  
RARE EARTH ELEMENTS  
LANTHANUM  
LANTHANUM ISOTOPES  
METALS  
RARE EARTH ELEMENTS  
LANTHANUM  
LANTHANUM ISOTOPES  
RT DIDYMIUM

### LANTHANUM ALLOYS

GS ALLOYS  
RARE EARTH ALLOYS  
LANTHANUM ALLOYS

### LANTHANUM CHLORIDES

GS HALOGEN COMPOUNDS  
CHLORINE COMPOUNDS  
CHLORIDES  
LANTHANUM CHLORIDES  
HALIDES  
CHLORIDES  
LANTHANUM CHLORIDES  
METAL HALIDES  
LANTHANUM CHLORIDES  
LANTHANUM COMPOUNDS  
LANTHANUM CHLORIDES

### LANTHANUM COMPOUNDS

GS LANTHANUM COMPOUNDS  
LANTHANUM CHLORIDES  
LANTHANUM FLUORIDES  
LANTHANUM OXIDES  
LANTHANUM TELLURIDES  
RT CHEMICAL COMPOUNDS  
METAL COMPOUNDS

### LANTHANUM FLUORIDES

GS HALOGEN COMPOUNDS  
FLUORINE COMPOUNDS  
FLUORIDES  
METAL FLUORIDES  
LANTHANUM FLUORIDES  
LANTHANUM COMPOUNDS  
LANTHANUM FLUORIDES

### LANTHANUM ISOTOPES

UF LANTHANUM 140  
GS CHEMICAL ELEMENTS  
NUCLIDES  
ISOTOPES  
LANTHANUM ISOTOPES  
RARE EARTH ELEMENTS  
LANTHANUM  
LANTHANUM ISOTOPES  
METALS  
RARE EARTH ELEMENTS  
LANTHANUM  
LANTHANUM ISOTOPES

### LANTHANUM OXIDES

GS CHALCOGENIDES  
OXIDES  
METAL OXIDES  
LANTHANUM OXIDES  
LANTHANUM COMPOUNDS  
LANTHANUM OXIDES

### LANTHANUM TELLURIDES

GS CHALCOGENIDES  
TELLURIDES  
LANTHANUM TELLURIDES  
LANTHANUM COMPOUNDS  
LANTHANUM TELLURIDES  
RARE EARTH COMPOUNDS  
LANTHANUM TELLURIDES  
TELLURIUM COMPOUNDS  
TELLURIDES  
LANTHANUM TELLURIDES

## LASER DOPPLER VELOCIMETERS

**LANTHANUM 140**  
USE LANTHANUM ISOTOPES

**LAOS**  
GS NATIONS  
. LAOS  
RT ASIA

**LAP JOINTS**  
GS JOINTS (JUNCTIONS)  
. LAP JOINTS  
RT BOLTED JOINTS  
BUTT JOINTS  
METAL JOINTS  
RIVETED JOINTS  
SOLDERED JOINTS  
WELDED JOINTS

**LAPLACE EQUATION**  
RT  $\infty$  EQUATIONS  
HARMONIC FUNCTIONS  
PARTIAL DIFFERENTIAL EQUATIONS  
POISSON EQUATION  
STOKES-BELTRAMI EQUATION

**LAPLACE OPERATORS**  
USE LAPLACE TRANSFORMATION

**LAPLACE TRANSFORMATION**  
UF LAPLACE OPERATORS  
GS ANALYSIS (MATHEMATICS)  
. FUNCTIONAL ANALYSIS  
. INTEGRAL TRANSFORMATIONS  
. LAPLACE TRANSFORMATION  
FUNCTIONS (MATHEMATICS)  
. LAPLACE TRANSFORMATION  
TRANSFORMATIONS (MATHEMATICS)  
. INTEGRAL TRANSFORMATIONS  
. LAPLACE TRANSFORMATION  
RT DIFFERENTIAL EQUATIONS  
OPERATORS (MATHEMATICS)

**LAPSE RATE**  
RT HUMIDITY  
TEMPERATURE  
TEMPERATURE INVERSIONS  
TEPHIGRAMS

**LARA AIRCRAFT**  
USE COIN AIRCRAFT

**LARGE APERTURE SEISMIC ARRAY**  
GS ARRAYS  
. LARGE APERTURE SEISMIC ARRAY  
RT EARTH MOVEMENTS  
EARTHQUAKES  
MEASURING INSTRUMENTS  
SEISMIC WAVES  
SEISMOLOGY

**LARGE AREA CROP INVENTORY EXPERIMENT**  
RT AGRICULTURE  
AGROPHYSICAL UNITS  
CROP GROWTH  
CROP INVENTORIES  
 $\infty$  CROPS  
EARTH RESOURCES  
EARTH RESOURCES PROGRAM  
FARM CROPS  
INVENTORIES

**LARGE INFRARED TELESCOPE ON SPACELAB**  
USE LIRTS (TELESCOPE)

**LARGE SCALE INTEGRATION**  
UF LSI  
GS CIRCUITS  
. INTEGRATED CIRCUITS  
. LARGE SCALE INTEGRATION  
MICROELECTRONICS  
. LARGE SCALE INTEGRATION  
RT CHIPS (ELECTRONICS)  
DTL INTEGRATED CIRCUITS  
ELECTRONIC PACKAGING  
LINEAR INTEGRATED CIRCUITS  
MEDIUM SCALE INTEGRATION  
MICROMINIATURIZATION  
MICROPROCESSORS  
MOLECULAR ELECTRONICS  
PRINTED CIRCUITS  
TTL INTEGRATED CIRCUITS  
VERY LARGE SCALE INTEGRATION  
VHSIC (CIRCUITS)

**LARGE SPACE STRUCTURES**  
RT COLUMBUS SPACE STATION  
CONTINUUM MODELING  
EXPANDABLE STRUCTURES  
FLEXIBLE SPACECRAFT  
HOOP COLUMN ANTENNAS  
INTRAORBIT TRANSFER VEHICLES  
LASER GYROSCOPES  
MAYPOLE ANTENNAS  
MEGAMECHANICS  
ORBITAL SERVICING  
ORBITAL SPACE TESTS  
SELF SHADOWING  
SHAPE CONTROL  
SOLAR POWER SATELLITES  
SPACE ERECTABLE STRUCTURES  
SPACE OPERATIONS CENTER (NASA)  
SPACE STATION STRUCTURES  
SPACE STATIONS  
SPACE TECHNOLOGY EXPERIMENTS  
SPACECRAFT STRUCTURES  
 $\infty$  STRUCTURES

**LARGE SPACE TELESCOPE**  
USE HUBBLE SPACE TELESCOPE

**LARGOS SATELLITE**  
GS ARTIFICIAL SATELLITES  
. GEODETTIC SATELLITES  
. LARGOS SATELLITE  
RT EXPLORER 29 SATELLITE  
EXPLORER 36 SATELLITE  
GEOS 1 SATELLITE  
GEOS 2 SATELLITE  
GEOS 3 SATELLITE

**LARMOR PRECESSION**  
GS GYRATION  
. PRECESSION  
. LARMOR PRECESSION  
RT CYCLOTRON FREQUENCY  
CYCLOTRON RADIATION

**LARMOR RADIUS**  
GS DIMENSIONS  
. RADII  
. LARMOR RADIUS  
GEOMETRY  
. EUCLIDEAN GEOMETRY  
. RADII  
. LARMOR RADIUS  
RT CYCLOTRON RADIATION  
GYROMAGNETISM  
PLASMA PHYSICS  
PRECESSION

**LARVAE**  
GS LARVAE  
. BOLLWORMS  
. SILKWORMS  
RT ANIMALS  
ARTHROPODS  
INFESTATION  
INSECTS  
INVERTEBRATES  
PUPA  
WORMS

**LARYNX**  
GS ANATOMY  
. RESPIRATORY SYSTEM  
. LARYNX  
. GLOTTIS  
. VOCAL CORDS  
RT CARTILAGE

**LASER ALTIMETERS**  
GS MEASURING INSTRUMENTS  
. DISTANCE MEASURING EQUIPMENT  
. ALTIMETERS  
. LASER ALTIMETERS  
RT AIRCRAFT INSTRUMENTS  
ALTITUDE CONTROL  
 $\infty$  INSTRUMENTS  
LASERS  
OPTICAL RADAR  
SATELLITE INSTRUMENTS  
SPACECRAFT INSTRUMENTS

**LASER ANEMOMETERS**  
GS MEASURING INSTRUMENTS  
. ANEMOMETERS  
. LASER ANEMOMETERS  
RT FLOW VELOCITY  
VELOCITY MEASUREMENT

**LASER ANNEALING**  
GS HEAT TREATMENT  
. ANNEALING  
. LASER ANNEALING  
RT HEATING  
LASER CUTTING  
LASERS  
NORMALIZING (HEAT TREATMENT)  
RECRYSTALLIZATION  
TEMPERING

**LASER APPLICATIONS**  
GS UTILIZATION  
. LASER APPLICATIONS  
. LASER CUTTING  
. LASER FUSION  
RT AIRBORNE LASERS  
DATA TRANSMISSION  
HOLE BURNING  
LASER HEATING  
LASER PROPULSION  
LASERS  
METAL WORKING  
OPTICAL DATA STORAGE MATERIALS  
OPTICAL DISKS  
OPTICAL RELAY SYSTEMS  
PHOTOACOUSTIC SPECTROSCOPY  
PLASMA DYNAMIC LASERS  
PRODUCTION ENGINEERING  
RAPID BALLISTICS IDENTIFICATION  
SPACEBORNE LASERS  
SPECKLE HOLOGRAPHY  
SPECKLE INTERFEROMETRY  
TECHNOLOGY UTILIZATION  
ULTRASHORT PULSED LASERS

**LASER BEAM DEFOCUSING**  
USE THERMAL BLOOMING

**LASER CAVITIES**  
UF OPTICAL GENERATORS  
AMPLIFIERS  
RT LASER STABILITY  
LASERS  
LIGHT AMPLIFIERS  
 $\infty$  OPTICS  
PULSE GENERATORS  
SEMICONDUCTOR LASERS  
SOLID STATE DEVICES  
SOLID STATE LASERS  
STIMULATED EMISSION DEVICES

**LASER COMMUNICATION**  
USE OPTICAL COMMUNICATION

**LASER CUTTING**  
GS CUTTING  
. LASER CUTTING  
UTILIZATION  
. LASER APPLICATIONS  
. LASER CUTTING  
RT BLANKING (CUTTING)  
CUTTERS  
FOCUSING  
FORMING TECHNIQUES  
LASER ANNEALING  
LASER DRILLING  
LASER HEATING  
LASER OUTPUTS  
LASER TARGET INTERACTIONS  
MACHINING  
 $\infty$  MATERIALS SCIENCE  
METAL CUTTING  
SPLITTING  
THERMAL BLOOMING

**LASER DAMAGE**  
GS DAMAGE  
. RADIATION DAMAGE  
. LASER DAMAGE  
RADIATION EFFECTS  
. RADIATION DAMAGE  
. LASER DAMAGE  
RT BURNS (INJURIES)  
PULSED RADIATION  
RADIATION HAZARDS

**LASER DOPPLER VELOCIMETERS**  
GS MEASURING INSTRUMENTS  
. LASER DOPPLER VELOCIMETERS  
OPTICAL EQUIPMENT  
. LASER DOPPLER VELOCIMETERS  
RT FLOW MEASUREMENT  
OPTICAL MEASURING INSTRUMENTS  
VELOCITY MEASUREMENT

## LASER DRILLING

### LASER DRILLING

- GS DRILLING
  - . LASER DRILLING
- RT FOCUSING
  - . LASER CUTTING

### LASER FUSION

- GS UTILIZATION
  - . LASER APPLICATIONS
  - . LASER FUSION
- RT  $\infty$  FUSION
  - . GLASS LASERS
  - . HIGH POWER LASERS
  - . INERTIAL FUSION (REACTOR)
  - . NOVA LASER SYSTEM
  - . PLASMAS (PHYSICS)
  - . SHIVA LASER SYSTEM

### LASER GEODYNAMIC SATELLITE

- USE LAGEOS (SATELLITE)

### LASER GUIDANCE

- GS GUIDANCE (MOTION)
  - . TERMINAL GUIDANCE
  - . LASER GUIDANCE
- RT COMPUTER PROGRAMS
  - . HOMING DEVICES
  - . IMPACT PREDICTION
  - . MISSILE CONTROL

### LASER GYROSCOPES

- GS GYROSCOPES
  - . LASER GYROSCOPES
- RT LARGE SPACE STRUCTURES
  - . OPTICAL GYROSCOPES
  - . SAGNAC EFFECT
- $\infty$  SENSORS
  - . SPACECRAFT GUIDANCE
  - . STABILIZATION

### LASER HEATING

- GS HEATING
  - . LASER HEATING
- RT HEAT SOURCES
  - . LASER APPLICATIONS
  - . LASER CUTTING
  - . PULSE HEATING
  - . PULSED LASERS
  - . THERMAL BLOOMING
  - . YAG LASERS

### LASER INDUCED FLUORESCENCE

- UF LIF (FLUORESCENCE)
- GS EMISSION
  - . LIGHT EMISSION
  - . LUMINESCENCE
  - . FLUORESCENCE
- RT LASER INDUCED FLUORESCENCE
  - . ELECTROMAGNETIC ABSORPTION
  - . EXCITATION
  - . EXTINCTION
  - . IRRADIATION
  - . LASER OUTPUTS
  - . LASER SPECTROSCOPY
  - . MOSSBAUER EFFECT
  - . PHOSPHORS
  - . PHOTOIONIZATION
  - . PHOTOLUMINESCENCE
  - . PLASMA RADIATION

### LASER INTERFEROMETRY

- GS INTERFEROMETRY
  - . LASER INTERFEROMETRY
- RT SAGNAC EFFECT

### LASER MATERIALS

- RT  $\infty$  MATERIALS
  - . METAL VAPOR LASERS
  - . XENON CHLORIDE LASERS
  - . XENON FLUORIDE LASERS
  - . YAG LASERS

### LASER MICROSCOPY

- GS MICROSCOPY
  - . LASER MICROSCOPY
- RT ELECTRO-OPTICS
  - . LIGHT AMPLIFIERS
  - . METAL VAPOR LASERS
  - . MICROELECTRONICS

### LASER MODE LOCKING

- GS LOCKING
  - . LASER MODE LOCKING
- RT INJECTION LOCKING

## LASER MODE LOCKING-(CONT.)

- LASERS
- OPTICAL COUPLING

### LASER MODES

- GS MODES
  - . LASER MODES
- RT AXIAL MODES
  - . FIELD MODE THEORY
  - . HELIUM-NEON LASERS
  - . LASER STABILITY
  - . OPTICAL RESONATORS
  - . TEA LASERS
  - . WAVEGUIDE LASERS
  - . WAVELENGTHS

### LASER OUTPUTS

- GS OUTPUT
  - . LASER OUTPUTS
- RT ATMOSPHERIC LASERS
  - . COHERENCE
  - . COHERENT LIGHT
  - . DIFFRACTION RADIATION
  - . DISTRIBUTED FEEDBACK LASERS
  - . DYE LASERS
  - . EXCIMER LASERS
  - . GASDYNAMIC LASERS
  - . GLASS LASERS
  - . HELIUM-NEON LASERS
  - . HIGH POWER LASERS
  - . HOLOGRAPHIC INTERFEROMETRY
  - . LASER CUTTING
  - . LASER INDUCED FLUORESCENCE
  - . LASER STABILITY
  - . MASER OUTPUTS
  - . NOVA LASER SYSTEM
  - . OPTICAL RESONATORS
  - . OPTICAL WAVEGUIDES
  - . PHASE MATCHING
  - . PHOTON BEAMS
  - . PICOSECOND PULSES
  - . PULSE DURATION
  - . QUANTUM EFFICIENCY
  - . RADIANT FLUX DENSITY
  - . SHIVA LASER SYSTEM
  - . SPECKLE PATTERNS
  - . THERMAL BLOOMING
  - . TUBE LASERS
  - . TWO-WAVELENGTH LASERS
  - . ULTRAVIOLET LASERS
  - . VOLUMETRIC EFFICIENCY
  - . WAVEGUIDE LASERS
  - . WAVELENGTHS
  - . X RAY LASERS
  - . XENON CHLORIDE LASERS
  - . XENON FLUORIDE LASERS
  - . YAG LASERS

### LASER PLASMA INTERACTIONS

- GS ELECTROMAGNETIC INTERACTIONS
  - . PLASMA-ELECTROMAGNETIC INTERACTION
  - . LASER PLASMA INTERACTIONS
  - . PLASMA INTERACTIONS
  - . PLASMA-ELECTROMAGNETIC INTERACTION
  - . LASER PLASMA INTERACTIONS
- RT BACKSCATTERING
  - . GLASS LASERS
- $\infty$  INTERACTIONS
  - . PLASMAS (PHYSICS)
  - . THETA PINCH

### LASER PLASMAS

- SN (EXCLUDES LASER OUTPUTS)
- GS PARTICLES
  - . CHARGED PARTICLES
  - . . . . . ENERGETIC PARTICLES
  - . . . . . PLASMAS (PHYSICS)
  - . . . . . LASER PLASMAS
- RT INERTIAL FUSION (REACTOR) LASERS

### LASER PROPULSION

- GS PROPULSION
  - . ELECTRIC PROPULSION
  - . LASER PROPULSION
- RT AIRCRAFT ENGINES
  - . HYBRID PROPULSION
  - . LASER APPLICATIONS
  - . OPTICAL PUMPING
  - . PROPULSION SYSTEM CONFIGURATIONS
  - . PROPULSIVE EFFICIENCY
  - . RANKINE CYCLE
  - . ROCKET ENGINES

## LASER PROPULSION-(CONT.)

- SPACECRAFT PROPULSION
- THERMODYNAMIC CYCLES

### LASER PUMPING

- GS OPTICAL PUMPING
  - . LASER PUMPING
- RT LASERS
  - . PUMPING
  - . RARE GAS-HALIDE LASERS
  - . SOLAR-PUMPED LASERS
  - . STIMULATED EMISSION DEVICES
  - . WIGGLER MAGNETS

### LASER RADAR

- USE OPTICAL RADAR

### LASER RANGE FINDERS

- GS MEASURING INSTRUMENTS
  - . DISTANCE MEASURING EQUIPMENT
  - . . . . . RANGE FINDERS
  - . . . . . OPTICAL RANGE FINDERS
  - . . . . . LASER RANGE FINDERS
  - . . . . . OPTICAL MEASURING INSTRUMENTS
  - . . . . . OPTICAL RANGE FINDERS
  - . . . . . LASER RANGE FINDERS
  - . . . . . OPTICAL EQUIPMENT
  - . . . . . OPTICAL MEASURING INSTRUMENTS
  - . . . . . OPTICAL RANGE FINDERS
  - . . . . . LASER RANGE FINDERS
- RT LAGEOS (SATELLITE)
  - . LUNAR RANGEFINDING
  - . LUNAR RETROREFLECTORS
  - . NAVIGATION AIDS
  - . NAVIGATION INSTRUMENTS

### LASER RANGER/TRACKER

- RT AIRBORNE LASERS
  - . RANGE FINDERS
  - . RANGEFINDING
  - . TRACKING (POSITION)

### LASER SPECTROMETERS

- GS MEASURING INSTRUMENTS
  - . SPECTROMETERS
  - . LASER SPECTROMETERS
- RT ABSORPTION SPECTRA
  - . INFRARED SPECTROSCOPY
  - . LASER SPECTROSCOPY

### LASER SPECTROSCOPY

- GS SPECTROSCOPY
  - . OPTICAL EMISSION SPECTROSCOPY
  - . LASER SPECTROSCOPY
- RT CHEMICAL ANALYSIS
  - . LASER INDUCED FLUORESCENCE
  - . LASER SPECTROMETERS
  - . PHOTOACOUSTIC SPECTROSCOPY
  - . SPECTROSCOPIC ANALYSIS
  - . SPECTRUM ANALYSIS

### LASER STABILITY

- RT CONTINUOUS WAVE LASERS
  - . FREQUENCY STABILITY
  - . LASER CAVITIES
  - . LASER MODES
  - . LASER OUTPUTS

### LASER TARGET DESIGNATORS

- RT  $\infty$  DETECTORS
  - . MISSILE TRACKING
  - . SATELLITE TRACKING
  - . TARGET RECOGNITION
  - . TARGETS

### LASER TARGET INTERACTIONS

- RT  $\infty$  INTERACTIONS
  - . LASER CUTTING
  - . LASERS
  - . PULSED LASERS
  - . TARGETS

### LASER TARGETS

- GS TARGETS
  - . LASER TARGETS
- RT GLASS LASERS
  - . LASERS

### LASER WEAPONS

- GS WEAPON SYSTEMS
  - . LASER WEAPONS
  - . WEAPONS
  - . LASER WEAPONS
- RT FUSION WEAPONS

## LATERAL STABILITY

### LASER WEAPONS-(CONT.)

LASERS  
MILITARY TECHNOLOGY  
SPACE WEAPONS  
STIMULATED EMISSION DEVICES

### LASER WELDING

GS WELDING  
    . LASER WELDING  
    . . FUSION WELDING  
    . . GAS WELDING  
    . . . BRAZING  
    . . . . LOW TEMPERATURE BRAZING  
RT BONDING  
    HEATING  
    PULSED LASERS  
    SOLDERING

### LASER WINDOWS

GS WINDOWS (INTERVALS)  
    . LASER WINDOWS  
RT BANDWIDTH  
    ENERGY BANDS  
    LASERS

### LASERS

UF FABRY-PEROT LASERS  
    NATURAL LASERS  
    OPTICAL MASERS  
GS STIMULATED EMISSION DEVICES  
    . LASERS  
    . . AIRBORNE LASERS  
    . . ARGON LASERS  
    . . ATMOSPHERIC LASERS  
    . . CARBON LASERS  
    . . CHEMICAL LASERS  
    . . . HCL LASERS  
    . . CONTINUOUS WAVE LASERS  
    . . DISTRIBUTED FEEDBACK LASERS  
    . . FREE ELECTRON LASERS  
    . . GAMMA RAY LASERS  
    . . GAS LASERS  
    . . . CARBON DIOXIDE LASERS  
    . . . CARBON MONOXIDE LASERS  
    . . . DF LASERS  
    . . . EXCIMER LASERS  
    . . . HCL LASERS  
    . . . HCL ARGON LASERS  
    . . . HCN LASERS  
    . . . HELIUM-NEON LASERS  
    . . . HF LASERS  
    . . . KRYPTON FLUORIDE LASERS  
    . . . NITROGEN LASERS  
    . . . TEA LASERS  
    . . . ULTRAVIOLET LASERS  
    . . . XENON CHLORIDE LASERS  
    . . . XENON FLUORIDE LASERS  
    . . GASEDYNAMIC LASERS  
    . . GLASS LASERS  
    . . HIGH POWER LASERS  
    . . . NOVA LASER SYSTEM  
    . . . SHIVA LASER SYSTEM  
    . . INFRARED LASERS  
    . . INJECTION LASERS  
    . . IODINE LASERS  
    . . LIQUID LASERS  
    . . METAL VAPOR LASERS  
    . . NEODYMIUM LASERS  
    . . NUCLEAR PUMPED LASERS  
    . . ORGANIC LASERS  
    . . . DYE LASERS  
    . . PLASMA DYNAMIC LASERS  
    . . PULSED LASERS  
    . . . Q SWITCHED LASERS  
    . . . ULTRASHORT PULSED LASERS  
    . . . ULTRAVIOLET LASERS  
    . . RAMAN LASERS  
    . . RARE GAS-HALIDE LASERS  
    . . . KRYPTON FLUORIDE LASERS  
    . . . XENON CHLORIDE LASERS  
    . . . XENON FLUORIDE LASERS  
    . . RING LASERS  
    . . SEMICONDUCTOR LASERS  
    . . . GALLIUM ARSENIDE LASERS  
    . . . SOLAR-PUMPED LASERS  
    . . . SOLID STATE LASERS  
    . . . GALLIUM ARSENIDE LASERS  
    . . . RUBY LASERS  
    . . . YAG LASERS  
    . . SPACEBORNE LASERS  
    . . TUNABLE LASERS  
    . . TWO-WAVELENGTH LASERS  
    . . WAVEGUIDE LASERS  
    . . X RAY LASERS  
RT ALKALI VAPOR LAMPS

### LASERS-(CONT.)

AMPLIFIERS  
BEAM SWITCHING  
∞ COHERENCE  
COHERENT ELECTROMAGNETIC  
    RADIATION  
COHERENT LIGHT  
ELECTRON PUMPING  
GARNETS  
HOLE BURNING  
HOLOGRAPHY  
INFRARED WINDOWS  
INTERPLANETARY COMMUNICATION  
INTERSTELLAR MASERS  
KERR ELECTROOPTICAL EFFECT  
LASER ALTIMETERS  
LASER ANNEALING  
LASER APPLICATIONS  
LASER CAVITIES  
LASER MODE LOCKING  
LASER PLASMAS  
LASER PUMPING  
LASER TARGET INTERACTIONS  
LASER TARGETS  
LASER WEAPONS  
LASER WINDOWS  
LASING  
LIGHT AMPLIFIERS  
LIGHT BEAMS  
LIGHT MODULATION  
LIGHT SOURCES  
LIGHT TRANSMISSION  
LUNAR COMMUNICATION  
MASERS  
MICROBALLOONS  
MOLECULAR OSCILLATORS  
NUCLEAR PUMPING  
OPTICAL COMMUNICATION  
OPTICAL DATA PROCESSING  
OPTICAL MEMORY (DATA STORAGE)  
OPTICAL PUMPING  
OPTICAL RESONATORS  
∞ OPTICS  
    PHASE MATCHING  
    PHOTODIODES  
    PHOTONICS  
    POWER TRANSMISSION (LASERS)  
    PULSE GENERATORS  
    PULSED RADIATION  
    QUANTUM AMPLIFIERS  
    QUANTUM ELECTRONICS  
    RAPID BALLISTICS IDENTIFICATION  
    SENARMONT POLARISCOPE  
    SOLID STATE DEVICES  
    SPACE COMMUNICATION  
    STIMULATED EMISSION  
    THERMAL BLOOMING  
    THRESHOLD CURRENTS  
    TRANSIENT OSCILLATIONS  
    TRAVELING WAVE MODULATION

### LASING

RT DISTRIBUTED FEEDBACK LASERS  
    ELECTRON TRANSITIONS  
    EXCIMER LASERS  
    HOLE BURNING  
    KRYPTON FLUORIDE LASERS  
    LASERS  
    NITROGEN LASERS  
    OPTICAL TRANSITION  
    RARE GAS-HALIDE LASERS  
    STIMULATED EMISSION DEVICES

### LASV

USE F-111 AIRCRAFT

### LATCH-UP

RT CMOS  
    ELECTRICAL IMPEDANCE  
    INTEGRATED CIRCUITS  
    P-N-P-N JUNCTIONS  
    SWITCHING CIRCUITS

### LATCHES

RT FASTENERS  
    HOLDERS  
    LINKAGES  
    PINS

### LATE STARS

GS CELESTIAL BODIES  
    . STARS  
    . . LATE STARS  
    . . . COOL STARS  
    . . . CARBON STARS

### LATE STARS-(CONT.)

. . . . FLARE STARS  
    . . . . K STARS  
    . . . . M STARS  
    . . . . VAN BIESBROECK STAR  
    . . . . MIRA VARIABLES  
    . . . . OMICRON CETI STAR  
    . . . . S STARS  
RT ASYMPTOTIC GIANT BRANCH STARS  
    DWARF STARS  
    EARLY STARS  
    GIANT STARS  
    MAIN SEQUENCE STARS  
    RED DWARF STARS  
    RED GIANT STARS  
    STELLAR EVOLUTION  
    SUBGIANT STARS

### LATENESS

RT DELAY  
    SCHEDULING

### LATENT HEAT

GS CHEMICAL PROPERTIES  
    . THERMOCHEMICAL PROPERTIES  
    . . LATENT HEAT  
    . . . HEAT OF FUSION  
    . . . HEAT OF VAPORIZATION  
HEAT  
    . ENTHALPY  
    . . LATENT HEAT  
    . . . HEAT OF FUSION  
    . . . HEAT OF VAPORIZATION  
THERMODYNAMIC PROPERTIES  
    . ENTHALPY  
    . . LATENT HEAT  
    . . . HEAT OF FUSION  
    . . . HEAT OF VAPORIZATION  
THERMOCHEMICAL PROPERTIES  
    . . LATENT HEAT  
    . . . HEAT OF FUSION  
    . . . HEAT OF VAPORIZATION  
THERMOPHYSICAL PROPERTIES  
    . . LATENT HEAT  
    . . . HEAT OF FUSION  
    . . . HEAT OF VAPORIZATION

### LATENT HEAT OF FUSION

USE HEAT OF FUSION

### LATERAL CONTROL

UF LATERALIZATION  
    ROLL CONTROL  
GS ATTITUDE CONTROL  
    . LATERAL CONTROL  
RT AILERONS  
    AIRCRAFT CONTROL  
    ALTITUDE CONTROL  
    AUTOMATIC CONTROL  
∞ CONTROL  
    DIRECTIONAL CONTROL  
    ELEVONS  
    HELICOPTER CONTROL  
    LONGITUDINAL CONTROL  
    MANUAL CONTROL  
    MISSILE CONTROL  
    ROLL  
    SATELLITE ATTITUDE CONTROL  
    SATELLITE CONTROL

### LATERAL OSCILLATION

UF SNAKING  
RT DIRECTIONAL STABILITY  
    ROLL  
    STABILITY AUGMENTATION  
    TRANSVERSE OSCILLATION  
    TURNING FLIGHT  
    YAW  
    YAWING MOMENTS

### LATERAL STABILITY

UF DIHEDRAL EFFECT  
    LATERALITY  
GS DYNAMIC CHARACTERISTICS  
    . DYNAMIC STABILITY  
    . . MOTION STABILITY  
    . . . ATTITUDE STABILITY  
    . . . . LATERAL STABILITY  
STABILITY  
    . DYNAMIC STABILITY  
    . . MOTION STABILITY  
    . . . ATTITUDE STABILITY  
    . . . . LATERAL STABILITY  
RT AERODYNAMIC STABILITY  
    AIRCRAFT STABILITY

## LATERALITY

### LATERAL STABILITY-(CONT.)

DIHEDRAL ANGLE  
DIRECTIONAL STABILITY  
FLOW STABILITY  
HANDEDNESS  
HOVERING STABILITY  
LONGITUDINAL STABILITY  
ROLL  
ROLLING MOMENTS  
ROTARY STABILITY  
SPACECRAFT STABILITY  
TURNING FLIGHT  
VERTICAL ORIENTATION

### LATERALITY

USE LATERAL STABILITY

### LATERALIZATION

USE LATERAL CONTROL

### LATERITES

GS SOILS  
RT **LATERITES**  
DECOMPOSITION  
ROCKS  
TROPICAL REGIONS  
WATER

### LATEX

GS RUBBER  
RT **LATEX**  
ACRYLIC RESINS  
ELASTOMERS  
SYNTHETIC RUBBERS

### LATHES

GS TOOLS  
MACHINE TOOLS  
RT **LATHES**  
TURRET LATHES  
CONSTRUCTION MATERIALS  
GRINDING MACHINES

### LATIN SQUARE METHOD

RT  $\infty$  MATHEMATICS  
 $\infty$  METHODOLOGY  
 $\infty$  VARIABLE

### LATITUDE

GS **LATITUDE**  
GEOMAGNETIC LATITUDE  
RT COORDINATES  
GEODETIC COORDINATES  
LONGITUDE  
POSITION (LOCATION)

### LATITUDE MEASUREMENT

RT LONGITUDE MEASUREMENT  
 $\infty$  MEASUREMENT  
NAVIGATION  
POSITIONING

### LATTICE IMPERFECTIONS

USE CRYSTAL DEFECTS

### LATTICE PARAMETERS

GS INDEPENDENT VARIABLES  
RT **LATTICE PARAMETERS**  
CRYSTAL LATTICES  
CRYSTALLOGRAPHY  
PATTERSON MAP  
SUPERLATTICES  
X RAY ANALYSIS

### LATTICE VIBRATIONS

GS VIBRATION  
RT **LATTICE VIBRATIONS**  
CRYSTAL DEFECTS  
CRYSTAL LATTICES  
FORBIDDEN BANDS  
PARTICLE MOTION  
PHONONS  
RANDOM VIBRATION  
SPIN-LATTICE RELAXATION  
THERMAL ENERGY

### $\infty$ LATTICES

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT CRYSTAL LATTICES  
LATTICES (MATHEMATICS)

### LATTICES (MATHEMATICS)

UF SUBLATTICES  
GS MATHEMATICAL LOGIC  
RT **LATTICES (MATHEMATICS)**  
BOOLEAN ALGEBRA  
BOOLEAN FUNCTIONS  
COMMUNICATION THEORY  
KAKUTANI THEOREM  
 $\infty$  LATTICES  
 $\infty$  MATHEMATICS  
 $\infty$  MATRICES  
SET THEORY

### LATVIA

RT BALTIC SEA  
EUROPE  
NATIONS

### LAUE METHOD

GS X RAY ANALYSIS  
RT **LAUE METHOD**  
CRYSTAL LATTICES  
CRYSTALLOGRAPHY  
DIFFRACTION  
 $\infty$  METHODOLOGY  
X RAY DIFFRACTION

### LAUGHING

RT EMOTIONS  
HUMAN REACTIONS

### LAUNCH CLOUDS

USE EXHAUST CLOUDS

### LAUNCH COMPLEXES

USE LAUNCHING BASES

### LAUNCH DATES

RT LAUNCHING  
SPACECRAFT LAUNCHING  
TIME  
TURNAROUND (STS)

### LAUNCH ESCAPE SYSTEMS

UF LES (ESCAPE SYSTEMS)  
GS ESCAPE SYSTEMS  
RT **LAUNCH ESCAPE SYSTEMS**  
ESCAPE CAPSULES  
ESCAPE ROCKETS  
 $\infty$  SYSTEMS

### LAUNCH TIME

USE LAUNCH WINDOWS

### LAUNCH VEHICLE CONFIGURATIONS

RT AERODYNAMIC CONFIGURATIONS  
 $\infty$  CONFIGURATIONS  
HOTOL LAUNCH VEHICLE  
MISSILE CONFIGURATIONS  
PROPULSION SYSTEM CONFIGURATIONS  
RECOVERABLE LAUNCH VEHICLES  
SPACECRAFT CONFIGURATIONS

### LAUNCH VEHICLES

UF CARRIER ROCKETS  
GS **LAUNCH VEHICLES**  
ABLESTAR LAUNCH VEHICLE  
ARIANE LAUNCH VEHICLE  
ATLAS LAUNCH VEHICLES  
ATLAS ABLE 5 LAUNCH VEHICLE  
ATLAS AGENA B LAUNCH VEHICLE  
ATLAS AGENA LAUNCH VEHICLES  
ATLAS CENTAUR LAUNCH VEHICLE  
ATLAS SLV-3 LAUNCH VEHICLE  
BLUE SCOUT ROCKET VEHICLE  
BLUE STREAK LAUNCH VEHICLE  
CENTAUR LAUNCH VEHICLE  
ATLAS CENTAUR LAUNCH VEHICLE  
DELTA LAUNCH VEHICLE  
DIAMANT LAUNCH VEHICLE  
ELDO LAUNCH VEHICLE  
EUROPA LAUNCH VEHICLES  
EUROPA 1 LAUNCH VEHICLE  
EUROPA 2 LAUNCH VEHICLE  
EUROPA 3 LAUNCH VEHICLE  
EUROPA 4 LAUNCH VEHICLE  
HEAVY LIFT LAUNCH VEHICLES  
HYLA-STAR ROCKET VEHICLE  
JUNO LAUNCH VEHICLES  
JUNO 1 LAUNCH VEHICLE  
JUNO 2 LAUNCH VEHICLE  
LITTLE JOE 2 LAUNCH VEHICLE  
NOMAD LAUNCH VEHICLE  
NOVA LAUNCH VEHICLES

### LAUNCH VEHICLES-(CONT.)

RAM B LAUNCH VEHICLE  
RECOVERABLE LAUNCH VEHICLES  
REUSABLE LAUNCH VEHICLES  
SINGLE STAGE TO ORBIT VEHICLES  
HOTOL LAUNCH VEHICLE  
SATURN LAUNCH VEHICLES  
SATURN D LAUNCH VEHICLE  
SATURN 1 LAUNCH VEHICLES  
SATURN 1 SA-1 LAUNCH VEHICLE  
SATURN 1 SA-2 LAUNCH VEHICLE  
SATURN 1 SA-3 LAUNCH VEHICLE  
SATURN 1 SA-4 LAUNCH VEHICLE  
SATURN 1 SA-5 LAUNCH VEHICLE  
SATURN 1 SA-6 LAUNCH VEHICLE  
SATURN 1 SA-7 LAUNCH VEHICLE  
SATURN 1 SA-8 LAUNCH VEHICLE  
SATURN 1 SA-9 LAUNCH VEHICLE  
SATURN 1 SA-10 LAUNCH VEHICLE  
SATURN 1B LAUNCH VEHICLES  
SATURN 2 LAUNCH VEHICLES  
SATURN 5 LAUNCH VEHICLES  
SCOUT LAUNCH VEHICLE  
STANDARD LAUNCH VEHICLES  
ATLAS SLV-3 LAUNCH VEHICLE  
STANDARD LAUNCH VEHICLE 5  
THOR LAUNCH VEHICLES  
THOR ABLE ROCKET VEHICLE  
THOR AGENA LAUNCH VEHICLE  
THOR DELTA LAUNCH VEHICLE  
THORAD LAUNCH VEHICLES  
THOR ABLE ROCKET VEHICLE  
THOR AGENA LAUNCH VEHICLE  
THOR DELTA LAUNCH VEHICLE  
TITAN CENTAUR LAUNCH VEHICLE  
TITAN LAUNCH VEHICLES  
TITAN 3 LAUNCH VEHICLE  
VANGUARD 2 LAUNCH VEHICLE  
VEGA LAUNCH VEHICLE  
RT AEROSPACE PLANES  
BOOSTER ROCKET ENGINES  
 $\infty$  BOOSTER ROCKETS  
 $\infty$  BOOSTERS  
CENTAUR PROJECT  
EXHAUST CLOUDS  
FLIGHT TEST VEHICLES  
JUPITER C ROCKET VEHICLE  
JUPITER PROJECT  
LANDING MODULES  
LAUNCHERS  
LAUNCHING  
MISSILE LAUNCHERS  
MISSILES  
MULTIENGINE VEHICLES  
MULTISTAGE ROCKET VEHICLES  
NATIONAL LAUNCH VEHICLE PROGRAM  
ROCKET CATAPULTS  
ROCKET ENGINES  
ROCKET LAUNCHERS  
ROCKET LAUNCHING  
ROCKET VEHICLES  
 $\infty$  ROCKETS  
SATURN PROJECT  
SCOUT PROJECT  
SPACE PROCESSING APPLICATIONS  
ROCKET  
 $\infty$  SPACECRAFT  
SPACECRAFT LAUNCHING  
SUSTAINER ROCKET ENGINES  
TEST VEHICLES  
TITAN PROJECT  
 $\infty$  VEHICLES  
VERNIER ENGINES  
 $\infty$  WINGED VEHICLES

### LAUNCH WINDOWS

UF LAUNCH TIME  
GS WINDOWS (INTERVALS)  
RT **LAUNCH WINDOWS**  
LAUNCHING  
ROCKET LAUNCHING  
SPACECRAFT LAUNCHING

### LAUNCHERS

UF LAUNCHING DEVICES  
GS **LAUNCHERS**  
AIRCRAFT LAUNCHING DEVICES  
JATO ENGINES  
CATAPULTS  
ROCKET CATAPULTS  
GUN LAUNCHERS  
HYPERVELOCITY LAUNCHERS  
MISSILE LAUNCHERS  
MOBILE MISSILE LAUNCHERS  
ROCKET LAUNCHERS

**LAUNCHERS-(CONT.)**

RT . . . ROCKET CATAPULTS  
LAUNCH VEHICLES  
LAUNCHING  
LAUNCHING PADS  
LAUNCHING SITES  
NATIONAL LAUNCH VEHICLE PROGRAM  
ROCKET LAUNCHING  
TITAN PROJECT

**LAUNCHING**

GS **LAUNCHING**  
. . . AIR LAUNCHING  
. . . ROCKET LAUNCHING  
. . . LIFTOFF (LAUNCHING)  
. . . LUNAR LAUNCH  
. . . ORBITAL LAUNCHING  
. . . SEA LAUNCHING  
. . . SPACECRAFT LAUNCHING  
. . . LIFTOFF (LAUNCHING)  
RT COUNTDOWN  
EXHAUST CLOUDS  
LAUNCH DATES  
LAUNCH VEHICLES  
LAUNCH WINDOWS  
LAUNCHERS  
MISSILE LAUNCHERS  
NATIONAL LAUNCH VEHICLE PROGRAM  
PRELAUNCH TESTS  
ROCKET LAUNCHERS  
∞ SHOT  
STARTING  
TITAN PROJECT

**LAUNCHING BASES**

UF LAUNCH COMPLEXES  
GS **LAUNCHING BASES**  
. . . CAPE KENNEDY LAUNCH COMPLEX  
RT ∞ FACILITIES  
GROUND SUPPORT EQUIPMENT

**LAUNCHING DEVICES**

USE LAUNCHERS

**LAUNCHING PADS**

GS SITES  
. . . LAUNCHING SITES  
. . . **LAUNCHING PADS**  
RT FLAME DEFLECTORS  
GANTRY CRANES  
GROUND SUPPORT EQUIPMENT  
LAUNCHERS  
LIFTOFF (LAUNCHING)  
∞ PAD  
∞ PLATFORMS  
SPACECRAFT LAUNCHING  
UMBILICAL TOWERS

**LAUNCHING SITES**

GS SITES  
. . . **LAUNCHING SITES**  
. . . LAUNCHING PADS  
RT EXHAUST CLOUDS  
GANTRY CRANES  
GROUND SUPPORT EQUIPMENT  
LAUNCHERS  
MISSILE LAUNCHERS  
MISSILE SILOS  
MISSILES  
NATIONAL LAUNCH VEHICLE PROGRAM  
ROCKET CATAPULTS  
ROCKET LAUNCHERS

**LAVA**

GS EFFUSIVES  
. . . **LAVA**  
RT AGGREGATES  
CALDERAS  
CONES (VOLCANOES)  
EARTH RESOURCES  
IGNEOUS ROCKS  
MAGMA  
MARIA  
MARS VOLCANOES  
MINERALS  
REGOLITH  
RHYOLITE  
ROCKS  
SOILS  
VOLCANOES  
VOLCANOLOGY

**LAVAL NUMBER**

GS RATIOS  
. . . DIMENSIONLESS NUMBERS

**LAVAL NUMBER-(CONT.)**

. . . LAVAL NUMBER

∞ **LAW**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT CLAIMING  
LAW (JURISPRUDENCE)  
LAWS

**LAW (JURISPRUDENCE)**

UF FORENSIC SCIENCES  
GS **LAW (JURISPRUDENCE)**  
. . . INTERNATIONAL LAW  
. . . AIR LAW  
. . . SEA LAW  
. . . SPACE LAW  
. . . PUBLIC LAW  
. . . LIABILITIES  
. . . LEGAL LIABILITY  
. . . PENALTIES  
RT CONSTITUTION  
CRIME  
∞ LAW  
POLITICS  
REGULATIONS  
VOTING

**LAWRENCIUM**

GS CHEMICAL ELEMENTS  
. . . ACTINIDE SERIES  
. . . TRANSURANIUM ELEMENTS  
. . . **LAWRENCIUM**  
. . . NUCLIDES  
. . . ISOTOPES  
. . . RADIOACTIVE ISOTOPES  
. . . TRANSURANIUM ELEMENTS  
. . . **LAWRENCIUM**  
METALS  
. . . ACTINIDE SERIES  
. . . TRANSURANIUM ELEMENTS  
. . . **LAWRENCIUM**

**LAWS**

GS **LAWS**  
. . . CHILD-LANGMUIR LAW  
. . . CLOSURE LAW  
. . . COFFIN-MANSON LAW  
. . . CONSERVATION LAWS  
. . . FOURIER LAW  
. . . HOOKES LAW  
. . . KEPLER LAWS  
. . . NEWTON PRESSURE LAW  
. . . NEWTON SECOND LAW  
. . . NEWTON-BUSEMANN LAW  
. . . OHMS LAW  
. . . RADIATION LAWS  
. . . KIRCHHOFF LAW OF RADIATION  
. . . STEFAN-BOLTZMANN LAW  
. . . STOKES LAW OF RADIATION  
. . . SCALING LAWS  
. . . SIMILITUDE LAW  
. . . SNELLS LAW  
. . . TAFEL LAW  
. . . WEBER-FECHNER LAW  
RT ∞ LAW  
RULES  
∞ STOKES LAW

**LAY-UP**

RT CARBON FIBER REINFORCED PLASTICS  
COMPOSITE MATERIALS  
COMPOSITE STRUCTURES  
EPOXY RESINS  
FIBER ORIENTATION  
LAMINATES  
REINFORCING FIBERS

∞ **LAYERS**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
UF LAMINA  
PLIES  
RT ANTICLINES  
ATMOSPHERIC BOUNDARY LAYER  
BARRIER LAYERS  
BOUNDARY LAYERS  
COATINGS  
DEEP SCATTERING LAYERS  
EARTH IONOSPHERE  
EKMAN LAYER  
FLAT LAYERS  
FOLDS (GEOLOGY)

**LAYERS-(CONT.)**

FORMATIONS  
GEOSYNCLINES  
INTERCALATION  
INTERLAYERS  
LAMINATES  
MEMBRANES  
MONOMOLECULAR FILMS  
MULTILAYER INSULATION  
PLASMA LAYERS  
PLY ORIENTATION  
REGIONS  
SEDIMENTARY ROCKS  
SHEAR LAYERS  
SHOCK LAYERS  
STRATA  
STRATIFICATION  
SUBSTRATES  
SURFACE LAYERS  
SYNCLINES  
THREE DIMENSIONAL BOUNDARY LAYER  
TURBULENT BOUNDARY LAYER

**LAYOUTS**

RT BLUEPRINTS  
CIRCUIT DIAGRAMS  
CONSTRUCTION  
DESCRIPTIVE GEOMETRY  
∞ DESIGN  
∞ DRAWING  
DRAWINGS  
ENGINEERING DRAWINGS  
MODELS  
∞ PLANS  
SURVEYS

**LAZAREV METEORITE**

GS CELESTIAL BODIES  
. . . METEORITES  
. . . **LAZAREV METEORITE**  
RT IRON METEORITES  
STONY METEORITES

**LC CIRCUITS**

GS CIRCUITS  
. . . **LC CIRCUITS**  
RT INDUCTANCE  
NETWORK ANALYSIS  
NETWORK SYNTHESIS  
PARAMETRIC AMPLIFIERS  
RC CIRCUITS  
RL CIRCUITS  
RLC CIRCUITS  
TIME CONSTANT

**LCRE REACTOR**

USE LITHIUM COOLED REACTOR  
EXPERIMENT

**LDEF**

USE LONG DURATION EXPOSURE FACILITY

**LEACHING**

RT AUTOCLAVING  
BENEFICIATION  
DISSOLVING  
ELUTION  
EXTRACTION  
FLUSHING  
HYDROMETALLURGY  
PERCOLATION  
PERMEABILITY  
∞ SEPARATION

**LEAD (METAL)**

GS CHEMICAL ELEMENTS  
. . . **LEAD (METAL)**  
. . . LEAD ISOTOPES  
METALS  
. . . **LEAD (METAL)**  
. . . LEAD ISOTOPES

**LEAD ACETATES**

GS ACETATES  
. . . **LEAD ACETATES**  
ESTERS  
. . . **LEAD ACETATES**  
LEAD COMPOUNDS  
. . . **LEAD ACETATES**  
ORGANIC COMPOUNDS  
. . . LEAD ORGANIC COMPOUNDS  
. . . **LEAD ACETATES**



## LEAD ACID BATTERIES

### LEAD ACID BATTERIES

- GS ELECTROCHEMICAL CELLS
  - . ELECTRIC BATTERIES
  - . . . STORAGE BATTERIES
  - . . . . **LEAD ACID BATTERIES**
- RT CHEMICAL AUXILIARY POWER UNITS
  - ∞ ELECTRIC CELLS
  - ∞ ELECTROLYTIC CELLS
  - ∞ ENERGY STORAGE
  - ∞ NICKEL IRON BATTERIES
  - ∞ POWER SUPPLIES

### LEAD ALLOYS

- GS ALLOYS
  - . **LEAD ALLOYS**
- RT BEARING ALLOYS
- INDIUM ALLOYS
- SOLDERS

### LEAD CHLORIDES

- GS HALOGEN COMPOUNDS
  - . CHLORINE COMPOUNDS
  - . . CHLORIDES
  - . . . **LEAD CHLORIDES**
  - . . . HALIDES
  - . . . CHLORIDES
  - . . . . **LEAD CHLORIDES**
  - . . . . METAL HALIDES
  - . . . . **LEAD CHLORIDES**
  - . LEAD COMPOUNDS
  - . **LEAD CHLORIDES**

### LEAD COMPOUNDS

- UF PLUMBANE
- GS **LEAD COMPOUNDS**
  - . LEAD ACETATES
  - . LEAD CHLORIDES
  - . LEAD MOLYBDATES
  - . LEAD OXIDES
  - . LEAD SELENIDES
  - . LEAD SULFIDES
  - . LEAD TELLURIDES
  - . LEAD TITANATES
  - . LEAD TUNGSTATES
- RT ∞ CHEMICAL COMPOUNDS
- ∞ GROUP 4A COMPOUNDS
- ∞ METAL COMPOUNDS

### LEAD ISOTOPIES

- GS CHEMICAL ELEMENTS
  - . LEAD (METAL)
  - . . **LEAD ISOTOPIES**
  - . . . NUCLIDES
  - . . . ISOTOPIES
  - . . . . **LEAD ISOTOPIES**
- METALS
  - . LEAD (METAL)
  - . . **LEAD ISOTOPIES**

### LEAD MOLYBDATES

- GS LEAD COMPOUNDS
  - . **LEAD MOLYBDATES**
- MOLYBDENUM COMPOUNDS
- . MOLYBDATES
- . . **LEAD MOLYBDATES**

### LEAD ORGANIC COMPOUNDS

- GS ORGANIC COMPOUNDS
  - . **LEAD ORGANIC COMPOUNDS**
  - . . LEAD ACETATES
- RT ∞ CHEMICAL COMPOUNDS
- ∞ METAL COMPOUNDS

### LEAD OXIDES

- GS CHALCOGENIDES
  - . OXIDES
  - . . METAL OXIDES
  - . . . **LEAD OXIDES**
  - . . . LEAD COMPOUNDS
  - . . . **LEAD OXIDES**

### LEAD POISONING

- GS DISEASES
  - . TOXIC DISEASES
  - . . **LEAD POISONING**
  - . . . TOXICITY
  - . . . **LEAD POISONING**
- RT OCCUPATIONAL DISEASES
  - ∞ POISONING
  - SMOG

### LEAD SELENIDES

- GS CHALCOGENIDES
  - . SELENIDES

### LEAD SELENIDES-(CONT.)

- . . **LEAD SELENIDES**
- LEAD COMPOUNDS
  - . **LEAD SELENIDES**
  - SELENIUM COMPOUNDS
    - . SELENIDES
    - . . **LEAD SELENIDES**

### LEAD SULFIDES

- GS CHALCOGENIDES
  - . SULFIDES
  - . . INORGANIC SULFIDES
  - . . . **LEAD SULFIDES**
  - . LEAD COMPOUNDS
    - . **LEAD SULFIDES**
    - SULFUR COMPOUNDS
      - . SULFIDES
      - . . INORGANIC SULFIDES
      - . . . **LEAD SULFIDES**

### LEAD TELLURIDES

- GS CHALCOGENIDES
  - . TELLURIDES
  - . . **LEAD TELLURIDES**
  - . LEAD COMPOUNDS
    - . **LEAD TELLURIDES**
    - TELLURIUM COMPOUNDS
      - . TELLURIDES
      - . . **LEAD TELLURIDES**

### LEAD TITANATES

- GS LEAD COMPOUNDS
  - . **LEAD TITANATES**
  - TITANIUM COMPOUNDS
    - . TITANATES
    - . . **LEAD TITANATES**

### LEAD TUNGSTATES

- GS LEAD COMPOUNDS
  - . **LEAD TUNGSTATES**
  - TUNGSTEN COMPOUNDS
    - . TUNGSTATES
    - . . **LEAD TUNGSTATES**

### LEAD ZIRCONATE TITANATES

- GS TITANIUM COMPOUNDS
  - . TITANATES
  - . . PIEZOELECTRIC CERAMICS
  - . . . **LEAD ZIRCONATE TITANATES**

### LEADERSHIP

- RT MORALE
- PERSONNEL MANAGEMENT

### LEADING EDGE FLAPS

- GS AIRFOILS
  - . FLAPS (CONTROL SURFACES)
  - . . WING FLAPS
  - . . . **LEADING EDGE FLAPS**
  - BRAKES (FOR ARRESTING MOTION)
  - . AERODYNAMIC BRAKES
  - . . WING FLAPS
  - . . . **LEADING EDGE FLAPS**
  - CONTROL SURFACES
    - . FLAPS (CONTROL SURFACES)
    - . . WING FLAPS
    - . . . **LEADING EDGE FLAPS**
  - DRAG DEVICES
  - . AERODYNAMIC BRAKES
  - . . WING FLAPS
  - . . . **LEADING EDGE FLAPS**
- RT AIRCRAFT STRUCTURES
  - VORTEX FLAPS
  - ∞ WINGED VEHICLES
  - WINGS

### LEADING EDGE SLATS

- UF WING SLATS
- GS AIRFOILS
  - . FLAPS (CONTROL SURFACES)
  - . . WING FLAPS
  - . . . **LEADING EDGE SLATS**
  - BRAKES (FOR ARRESTING MOTION)
  - . AERODYNAMIC BRAKES
  - . . WING FLAPS
  - . . . **LEADING EDGE SLATS**
  - AIRCRAFT BRAKES
  - . . WING FLAPS
  - . . . **LEADING EDGE SLATS**
  - CONTROL SURFACES
    - . FLAPS (CONTROL SURFACES)
    - . . WING FLAPS
    - . . . **LEADING EDGE SLATS**
  - DRAG DEVICES
  - . AERODYNAMIC BRAKES

### LEADING EDGE SLATS-(CONT.)

- . . WING FLAPS
- . . . **LEADING EDGE SLATS**
- RT BOUNDARY LAYER CONTROL
- SPLIT FLAPS
- SPOILERS
- TRAILING EDGE FLAPS
- WING SLOTS

### LEADING EDGE SWEEP

- GS GEOMETRY
  - . EUCLIDEAN GEOMETRY
  - . . ANGLES (GEOMETRY)
  - . . . SWEEP ANGLE
  - . . . SWEEPBACK
  - . . . . **LEADING EDGE SWEEP**

### LEADING EDGE THRUST

- GS THRUST
  - . **LEADING EDGE THRUST**
- RT AERODYNAMIC FORCES
- AIRFOILS
- LEADING EDGES
- LIFT
- WING LOADING

### LEADING EDGES

- GS EDGES
  - . **LEADING EDGES**
  - . . BLUNT LEADING EDGES
  - . . SHARP LEADING EDGES
- RT AIRFOILS
- FOREBODIES
- LEADING EDGE THRUST
- THRUST DISTRIBUTION
- TRAILING EDGES
- VORTEX FLAPS

### LEAF AREA INDEX

- GS RATIOS
  - . INDEXES (RATIOS)
  - . . **LEAF AREA INDEX**
- RT CANOPIES (VEGETATION)
- CROP IDENTIFICATION
- CROP INVENTORIES
- LEAVES
- REMOTE SENSING
- SPECTRAL REFLECTANCE
- VEGETATIVE INDEX

### LEAKAGE

- RT CAVITIES
- CRACKS
- DEFECTS
- ∞ ESCAPE
- FLUID FLOW
- INTRUSION
- LABYRINTH SEALS
- LOSS OF COOLANT
- LOSSES
- PERMEABILITY
- PINHOLES
- POROSITY
- ∞ REDUCTION
- SEEPAGE
- WASTES

### LEAR JET AIRCRAFT

- GS COMMERCIAL AIRCRAFT
  - . **LEAR JET AIRCRAFT**
  - JET AIRCRAFT
  - . **LEAR JET AIRCRAFT**
- RT ∞ AIRCRAFT

### LEARNING

- GS **LEARNING**
  - . ASTRONAUT TRAINING
  - . CONDITIONING (LEARNING)
  - . HABITUATION (LEARNING)
  - . MAZE LEARNING
  - . TRANSFER OF TRAINING
- RT ACHIEVEMENT
- APTITUDE
- BEHAVIOR
- CHILD DEVICE
- DECONDITIONING
- EDUCATION
- EDUCATIONAL TELEVISION
- HABITS
- INSTRUCTORS
- KNOWLEDGE
- MEMORY
- MOTIVATION
- REINFORCEMENT (PSYCHOLOGY)
- RESPONSES

**LEARNING-(CONT.)**

RETENTION (PSYCHOLOGY)  
STUDENTS  
TEACHING MACHINES  
TEXTBOOKS  
TRAINING ANALYSIS  
TRAINING EVALUATION  
UNIVERSITIES

**LEARNING CURVES**

RT ASYMPTOTIC METHODS  
∞ CURVES

**LEARNING MACHINES**

UF MACHINE LEARNING  
GS AUTOMATIC CONTROL  
. ADAPTIVE CONTROL  
. . . **LEARNING MACHINES**  
RT ARTIFICIAL INTELLIGENCE  
AUTOMATA THEORY  
CYBERNETICS  
FEEDBACK CONTROL  
∞ MACHINERY  
SELF ORGANIZING SYSTEMS  
TEACHING MACHINES

**LEARNING THEORY**

RT CHILD DEVICE  
EDUCATION  
PROBLEM SOLVING  
∞ THEORIES

**LEASING**

GS PROCUREMENT  
. **LEASING**  
RT CONTRACTS  
LAND USE  
NASA PROGRAMS  
RESOURCES MANAGEMENT  
SITE SELECTION

**LEAST SQUARES METHOD**

GS ANALYSIS (MATHEMATICS)  
. NUMERICAL ANALYSIS  
. . . APPROXIMATION  
. . . **LEAST SQUARES METHOD**  
RT CORRELATION  
CURVE FITTING  
GAUSS-MARKOV THEOREM  
MEAN SQUARE VALUES  
∞ METHODOLOGY  
OPTIMIZATION  
PARAMETER IDENTIFICATION  
QUALITY CONTROL  
REGRESSION ANALYSIS  
SIMULTANEOUS EQUATIONS

**LEATHER**

RT CLOTHING  
COLLAGENS  
SHOES  
SKIN (ANATOMY)

**LEAVES**

RT BROWN WAVE EFFECT  
CANOPIES (VEGETATION)  
DECIDUOUS TREES  
DEFOLIANTS  
DEFOLIATION  
FOLIAGE  
GREEN WAVE EFFECT  
HERBICIDES  
LEAF AREA INDEX  
PLANTS (BOTANY)

**LEBANON**

GS NATIONS  
. **LEBANON**  
RT ASIA

**LEBESGUE THEOREM**

GS ANALYSIS (MATHEMATICS)  
. REAL VARIABLES  
. . . MEASURE AND INTEGRATION  
. . . **LEBESGUE THEOREM**  
THEOREMS  
. **LEBESGUE THEOREM**  
RT SET THEORY

**LECTURES**

UF SPEECHES  
RT EDUCATION  
PUBLIC SPEAKING  
SPEECH

**LECTURES-(CONT.)**

VERBAL COMMUNICATION

**LED (DIODES)**

USE LIGHT EMITTING DIODES

**LEDGES**

RT CLIFFS  
ROCKS  
TOPOGRAPHY

**LEE WAVES**

RT AIR CURRENTS  
BAROTROPIC FLOW  
SURFACE WAVES  
TROPOSPHERIC WAVES  
VERTICAL AIR CURRENTS

**LEG (ANATOMY)**

GS ANATOMY  
. LIMBS (ANATOMY)  
. . . **LEG (ANATOMY)**  
. . . FEET (ANATOMY)  
. . . KNEE (ANATOMY)  
APPENDAGES  
. **LEG (ANATOMY)**  
. . . FEET (ANATOMY)  
. . . KNEE (ANATOMY)  
RT FEMUR  
THIGH  
TIBIA

**LEGAL LIABILITY**

GS LAW (JURISPRUDENCE)  
. PUBLIC LAW  
. . . LIABILITIES  
. . . **LEGAL LIABILITY**  
RT AIR LAW  
CONTRACTS  
INSURANCE (CONTRACTS)  
INTERNATIONAL LAW  
JUDGMENTS  
LOSSES  
PENALTIES  
PROHIBITION

**LEGENDRE CODE**

USE COMPUTER PROGRAMMING  
NEUTRON SCATTERING

**LEGENDRE FUNCTIONS**

UF LEGENDRE POLYNOMIALS  
LEGENDRE TRANSFORMATION  
GS ANALYSIS (MATHEMATICS)  
. COMPLEX VARIABLES  
. . . **LEGENDRE FUNCTIONS**  
FUNCTIONS (MATHEMATICS)  
. **LEGENDRE FUNCTIONS**  
RT ORTHOGONAL FUNCTIONS  
SPHERICAL HARMONICS

**LEGENDRE POLYNOMIALS**

USE LEGENDRE FUNCTIONS

**LEGENDRE TRANSFORMATION**

USE LEGENDRE FUNCTIONS

**LEGIBILITY**

RT CHARACTER RECOGNITION  
CONTRAST  
PERCEPTION  
PRINTING  
READING  
RESOLUTION  
SYMBOLS  
VISIBILITY  
VISION

**LEGUMINOUS PLANTS**

GS FARM CROPS  
. **LEGUMINOUS PLANTS**  
. . . SOYBEANS  
PLANTS (BOTANY)  
. **LEGUMINOUS PLANTS**  
. . . SOYBEANS  
RT AGRICULTURE  
BOTANY  
EARTH RESOURCES  
∞ FOOD  
HAY  
NITROGENATION  
NODULES  
VEGETABLES

**LEIDENFROST PHENOMENON**

GS PHASE TRANSFORMATIONS  
. VAPORIZING  
. . . BOILING  
. . . NUCLEATE BOILING  
. . . **LEIDENFROST PHENOMENON**  
RT FILM BOILING  
HEAT TRANSFER

**LEM (LUNAR MODULE)**

USE LUNAR MODULE

**LEMMAS**

USE THEOREMS

**LENGTH**

GS DIMENSIONS  
. **LENGTH**  
. . . DIFFUSION LENGTH  
RT DISTANCE  
THICKNESS

**LENNARD-JONES GAS**

RT BINARY FLUIDS  
GAS VISCOSITY  
LENNARD-JONES POTENTIAL

**LENNARD-JONES POTENTIAL**

RT COMPUTERIZED SIMULATION  
INTERMOLECULAR FORCES  
LENNARD-JONES GAS  
MOLECULAR INTERACTIONS  
POTENTIAL THEORY

**LENS ANTENNAS**

GS ANTENNAS  
. DIRECTIONAL ANTENNAS  
. . . **LENS ANTENNAS**  
. . . RADIO ANTENNAS  
. . . MICROWAVE ANTENNAS  
. . . **LENS ANTENNAS**  
MICROWAVE EQUIPMENT  
. MICROWAVE ANTENNAS  
. . . **LENS ANTENNAS**  
RADIO EQUIPMENT  
. RADIO ANTENNAS  
. . . MICROWAVE ANTENNAS  
. . . **LENS ANTENNAS**  
RT ANTENNA DESIGN  
DIPOLE ANTENNAS  
HORN ANTENNAS  
LENSES  
RADAR ANTENNAS  
WAVEGUIDE ANTENNAS  
WIRE GRID LENSES

**LENS DESIGN**

RT ANTIREFLECTION COATINGS  
COMPUTER AIDED DESIGN  
∞ DESIGN  
GRADIENT INDEX OPTICS  
LENSES  
OPTICAL CORRECTION PROCEDURE  
∞ OPTICS  
PRODUCT DEVELOPMENT  
STIGMATISM  
ZOOM LENSES

**LENSES**

GS **LENSES**  
. CONTACT LENSES  
. FRESNEL LENSES  
. GRAVITATIONAL LENSES  
. MAGNETIC LENSES  
. WIDE ANGLE LENSES  
. WIRE GRID LENSES  
. ZOOM LENSES  
RT ASTIGMATISM  
CAMERAS  
CATARACTS  
CIRCUMSOLAR TELESCOPES  
EYE (ANATOMY)  
EYEPIECES  
FOCUSING  
GRADIENT INDEX OPTICS  
INTEGRATED OPTICS  
LENS ANTENNAS  
LENS DESIGN  
MAGNIFICATION  
OPTICAL EQUIPMENT  
OPTICAL FILTERS  
∞ OPTICS  
PANORAMIC CAMERAS  
PHOTOGRAPHIC EQUIPMENT  
REFRACTING TELESCOPES

## LENTICULAR BODIES

### LENSES-(CONT.)

REFRACTION  
RETICLES  
STIGMATISM  
STREAK CAMERAS  
TELESCOPES  
VIGNETTING

### LENTICULAR BODIES

GS SYMMETRICAL BODIES  
  . **LENTICULAR BODIES**  
RT AXISYMMETRIC BODIES  
  . BODIES  
  . CONVEXITY

### LEO ENVIRONMENTS

USE EARTH ORBITAL ENVIRONMENTS

### LEONID METEORIDS

GS CELESTIAL BODIES  
  . METEOROID SHOWERS  
  . **LEONID METEORIDS**  
  . METEORIDS  
  . **LEONID METEORIDS**

### LEPTONS

GS PARTICLES  
  . ELEMENTARY PARTICLES  
  . FERMIONS  
  . **LEPTONS**  
  . . . . . ANTINEUTRINOS  
  . . . . . MUONS  
  . . . . . NEUTRINOS  
  . . . . . SOLAR NEUTRINOS  
RT CHARGED PARTICLES  
  CHARM (PARTICLE PHYSICS)  
  GLUONS  
  MESONS  
  PARTONS  
  QUANTUM CHROMODYNAMICS  
  QUARK PARTON MODEL

### LES (ESCAPE SYSTEMS)

USE LAUNCH ESCAPE SYSTEMS

### LES (SATELLITES)

USE LINCOLN EXPERIMENTAL SATELLITES

### LESA (LUNAR EXPLORATION SYSTEM)

USE LUNAR EXPLORATION SYSTEM FOR  
  APOLLO

### LESIONS

GS INJURIES  
  . **LESIONS**  
  . . . PULMONARY LESIONS  
RT ABRASION  
  BURNS (INJURIES)  
  MILIARIA

### LESOTHO

GS NATIONS  
  . **LESOTHO**  
RT AFRICA  
  REPUBLIC OF SOUTH AFRICA

### LESSER ANTILLES

GS LANDFORMS  
  . ISLANDS  
  . . . WEST INDIES  
  . . . **LESSER ANTILLES**  
RT ATLANTIC OCEAN

### LETHALITY

RT CARBON MONOXIDE POISONING  
  DAMAGE  
  DESTRUCTION

### LETHARGY

RT BOREDOM  
  . DEPRESSION  
  . DETACHMENT  
  . FRUSTRATION  
  . HUMAN BEHAVIOR  
  . INHIBITION  
  . MONOTONY

### LETTERS (SYMBOLS)

USE SYMBOLS

### LEUCINE

GS ACIDS  
  . AMINO ACIDS  
  . **LEUCINE**

### LEUCINE-(CONT.)

. . . NORLEUCINE  
ORGANIC COMPOUNDS  
  . AMINO ACIDS  
  . **LEUCINE**  
  . . . NORLEUCINE

### LEUKEMIAS

GS DISEASES  
  . TUMORS  
  . . . NEOPLASMS  
  . . . CANCER  
  . . . **LEUKEMIAS**  
RT BONE MARROW  
  OCCUPATIONAL DISEASES

### LEUKOCYTES

UF WHITE BLOOD CELLS  
GS CELLS (BIOLOGY)  
  . BLOOD CELLS  
  . **LEUKOCYTES**  
  . . . EOSINOPHILS  
  . . . LYMPHOCYTES  
RT BIOCOMPATIBILITY  
  BONE MARROW  
  ERYTHROCYTES  
  IMMUNE SYSTEMS

### LEUKOPENIA

GS SIGNS AND SYMPTOMS  
  . **LEUKOPENIA**  
RT INFECTIOUS DISEASES

### ∞ LEVEL

SN *(USE OF A MORE SPECIFIC TERM IS  
  RECOMMENDED--CONSULT THE TERMS  
  LISTED BELOW)*  
RT CHEMICAL ENERGY  
  FREE ENERGY  
  HEIGHT  
  INTERNAL ENERGY  
  LEVEL (HORIZONTAL)  
  LEVEL (QUANTITY)

### LEVEL (HORIZONTAL)

GS **LEVEL (HORIZONTAL)**  
  . LIQUID LEVELS  
RT ∞ GRADE  
  GRADIENTS  
  ∞ LEVEL  
  SLOPES

### LEVEL (QUANTITY)

GS **LEVEL (QUANTITY)**  
  . EFFECTIVE PERCEIVED NOISE LEVELS  
  . ENERGY LEVELS  
  . . . ATOMIC ENERGY LEVELS  
  . . . ELECTRON STATES  
  . . . GROUND STATE  
  . . . MOLECULAR ENERGY LEVELS  
  . . . INTERMOLECULAR FORCES  
RT AMPLITUDES  
  DISPLACEMENT  
  ∞ FLUX  
  FLUX (RATE)  
  FLUX DENSITY  
  ∞ INTENSITY  
  ∞ LEVEL  
  LOUDNESS  
  MAGNITUDE  
  VALUE

### LEVELING

SN (EXCLUDES METAL WORKING)  
RT ADJUSTING  
  CONSISTENCY  
  DATUM (ELEVATION)  
  FLATTENING  
  METAL WORKING  
  ∞ ROLLING  
  SMOOTHING  
  WINDING

### LEVERS

RT CANTILEVER MEMBERS  
  HANDLES  
  KNOBS  
  ∞ MACHINERY  
  MANUAL CONTROL  
  MECHANICAL DEVICES  
  PEDALS

### LEVITATION

GS **LEVITATION**

### LEVITATION-(CONT.)

. ACOUSTIC LEVITATION  
RT BUOYANCY  
  ELECTROSTATIC GYROSCOPES  
  FLOTATION  
  FRICTIONLESS ENVIRONMENTS  
  LEVITATION MELTING  
  MAGNETIC BEARINGS  
  MAGNETIC LEVITATION VEHICLES  
  SUSPENSION SYSTEMS (VEHICLES)  
  VACUUM MELTING

### LEVITATION MELTING

GS PHASE TRANSFORMATIONS  
  . MELTING  
  . **LEVITATION MELTING**  
RT ELECTRIC CURRENT  
  EXTERNAL SURFACE CURRENTS  
  LEVITATION  
  LIQUID METALS  
  LOW GRAVITY MANUFACTURING  
  MAGNETIC SUSPENSION  
  ∞ METALLURGY  
  OHMIC DISSIPATION  
  RESISTANCE HEATING  
  SPACE MANUFACTURING  
  SPACE PROCESSING

### LEWIS BASE

RT AMINES  
  ELECTRONS

### LEWIS NUMBERS

GS RATIOS  
  . DIMENSIONLESS NUMBERS  
  . **LEWIS NUMBERS**  
RT DENSITY (MASS/VOLUME)  
  DIFFUSION COEFFICIENT  
  FLUID FLOW  
  HEAT TRANSFER  
  MASS FLOW  
  MASS TRANSFER  
  SPECIFIC HEAT  
  THERMAL CONDUCTIVITY

### LEXAN (TRADEMARK)

GS CARBON COMPOUNDS  
  . CARBONATES  
  . . . POLYCARBONATES  
  . . . **LEXAN (TRADEMARK)**  
  ESTERS  
  . POLYCARBONATES  
  . . . **LEXAN (TRADEMARK)**  
RT ∞ POLYMERS  
  RESINS

### LFO

USE LANDSAT FOLLOW-ON MISSIONS

### LIABILITIES

GS LAW (JURISPRUDENCE)  
  . PUBLIC LAW  
  . **LIABILITIES**  
  . . . LEGAL LIABILITY  
RT AIR LAW  
  COMMERCE  
  DISCIPLINING  
  LOSSES  
  PENALTIES  
  REGULATIONS

### LIAPUNOV FUNCTIONS

UF LYAPUNOV FUNCTIONS  
GS ANALYSIS (MATHEMATICS)  
  . REAL VARIABLES  
  . **LIAPUNOV FUNCTIONS**  
  FUNCTIONS (MATHEMATICS)  
  . **LIAPUNOV FUNCTIONS**  
RT DIFFERENTIAL EQUATIONS

### LIBERIA

GS NATIONS  
  . **LIBERIA**  
RT AFRICA

### LIBRARIES

RT BIBLIOGRAPHIES  
  CATALOGS (PUBLICATIONS)  
  DATA RETRIEVAL  
  DOCUMENTATION  
  DOCUMENTS  
  INFORMATION DISSEMINATION  
  INFORMATION RETRIEVAL  
  INFORMATION SYSTEMS

# LIFT AUGMENTATION

## LIBRARIES-(CONT.)

INTEGRATED LIBRARY SYSTEMS  
INTERSERVICE DATA EXCHANGE  
PROGRAM  
LITERATURE  
MUSEUMS  
∞REFERENCE SYSTEMS  
SELECTIVE DISSEMINATION OF  
INFORMATION  
TEXTBOOKS  
WORLD DATA CENTERS

## LIBRATION

RT EARTH LIMB  
LISSAJOUS FIGURES  
LUNAR FAR SIDE  
LUNAR LIMB  
∞MOTION  
NUTATION  
ORBITAL RESONANCES (CELESTIAL  
MECHANICS)  
PRECESSION  
ROTATION

## LIBRATIONAL MOTION

RT LAGRANGE COORDINATES  
∞MOTION  
NUTATION  
ORBITAL RESONANCES (CELESTIAL  
MECHANICS)

## LIBYA

GS NATIONS  
. LIBYA  
RT AFRICA

## LIBYAN DESERT

GS LAND  
. DESERTS  
. LIBYAN DESERT  
RT AFRICA

## LICENSING

RT COPYRIGHTS  
PATENT APPLICATIONS  
POLICIES  
REGULATIONS

## LICHENS

GS PLANTS (BOTANY)  
. LICHENS  
RT ALGAE  
FUNGI  
LACUNAS  
SYMBIOSIS

## LIDAR

USE OPTICAL RADAR

## LIE GROUPS

GS ALGEBRA  
. LIE GROUPS  
. SPINOR GROUPS  
GEOMETRY  
. DIFFERENTIAL GEOMETRY  
. LIE GROUPS  
. SPINOR GROUPS  
RT GROUP THEORY  
SUPERGRAVITY  
SUPERSYMMETRY

## LIECHTENSTEIN

GS NATIONS  
. LIECHTENSTEIN  
RT EUROPE

## LIENARD POTENTIAL

GS POTENTIAL ENERGY  
. ELECTRIC POTENTIAL  
. LIENARD POTENTIAL  
RT ELECTRIC CURRENT  
ELECTRIC FIELDS

## LIES

RT GALVANIC SKIN RESPONSE  
MENTAL PERFORMANCE

## LIF (FLUORESCENCE)

USE LASER INDUCED FLUORESCENCE

## LIFE (BIOLOGY)

USE LIFE SCIENCES

## LIFE (DURABILITY)

UF LIFETIME (DURABILITY)  
GS LIFE (DURABILITY)  
. CARRIER LIFETIME  
. FATIGUE LIFE  
. HALF LIFE  
. PLASMA LIFETIME  
. SATELLITE LIFETIME  
. SERVICE LIFE  
. STORAGE STABILITY  
RT ACCELERATED LIFE TESTS  
AIRCRAFT SURVIVABILITY  
DEPLETION  
DEPRECIATION  
DURABILITY  
FAILURE ANALYSIS  
LONG TERM EFFECTS  
∞LONGEVITY  
MILLS RATIO  
MTBF  
∞RESISTANCE  
RETIREMENT FOR CAUSE  
VULNERABILITY

## LIFE CYCLE COSTS

GS COSTS  
. LIFE CYCLE COSTS  
RT COST ANALYSIS  
COST EFFECTIVENESS  
DESIGN TO COST  
FINANCIAL MANAGEMENT  
MANAGEMENT PLANNING  
PRODUCTION COSTS  
SYSTEMS ENGINEERING  
VALUE ENGINEERING

## LIFE DETECTORS

RT BIOSATELLITES  
∞DETECTORS  
EXTRATERRESTRIAL LIFE

## LIFE RAFTS

GS RAFTS  
. LIFE RAFTS  
RT FLOATS  
INFLATABLE STRUCTURES  
LIFEBOATS

## LIFE SCIENCES

UF LIFE (BIOLOGY)  
GS LIFE SCIENCES  
. EXTRATERRESTRIAL LIFE  
. MOLECULAR BIOLOGY  
RT ABIOTIC GENESIS  
AGING (BIOLOGY)  
BIOLOGICAL EVOLUTION  
∞BIOLOGY  
CHEMICAL EVOLUTION  
ENVIRONMENTAL ENGINEERING  
NEUROLOGY  
∞PHYSICAL SCIENCES  
PSYCHOPHARMACOLOGY  
∞SCIENCE

## LIFE SPAN

SN (LIMITED TO THE LIFE SCIENCES)  
RT AGE FACTOR  
AGING (BIOLOGY)  
DEATH  
EXISTENCE  
GERONTOLOGY  
∞LONGEVITY  
MORTALITY  
∞SPAN

## LIFE SUPPORT SYSTEMS

GS SUPPORT SYSTEMS  
. LIFE SUPPORT SYSTEMS  
. BIOPAKS  
. CLOSED ECOLOGICAL SYSTEMS  
. EMERGENCY LIFE SUSTAINING  
SYSTEMS  
. AEPS  
. PORTABLE LIFE SUPPORT SYSTEMS  
. AEPS  
. IMLSS  
RT AEROSPACE ENVIRONMENTS  
AIR CONDITIONING  
ARTIFICIAL GRAVITY  
ASTRONAUT LOCOMOTION  
∞ATMOSPHERES  
BIOSATELLITES  
BREATHING APPARATUS  
CHLORELLA  
ENVIRONMENTAL ENGINEERING

## LIFE SUPPORT SYSTEMS-(CONT.)

ENVIRONMENTS  
EXO BIOLOGY  
HUMAN FACTORS ENGINEERING  
LONG TERM EFFECTS  
LUNAR ENVIRONMENT  
LUNAR LOGISTICS  
LUNAR SHELTERS  
MANNED MANEUVERING UNITS  
∞NUTRIENTS  
ONBOARD EQUIPMENT  
OXYGEN MASKS  
OXYGEN SUPPLY EQUIPMENT  
PLANETARY ENVIRONMENTS  
PRESSURE SUITS  
PRESSURIZED CABINS  
PROVISIONING  
REBREATHING  
SPACE FLIGHT FEEDING  
SPACE HABITATS  
SPACECRAFT ENVIRONMENTS  
SURVIVAL  
∞SUSTAINING  
∞SYSTEMS  
THERMAL ENVIRONMENTS  
UNDERWATER BREATHING APPARATUS  
VAPOR BARRIER CLOTHING  
VENTILATION  
WATER  
WEIGHTLESSNESS

## LIFEBOATS

GS SURFACE VEHICLES  
. BOATS  
. LIFEBOATS  
WATER VEHICLES  
. BOATS  
RT LIFEBOATS  
LIFE RAFTS  
RAFTS  
SURVIVAL EQUIPMENT

## LIFETIME (DURABILITY)

USE LIFE (DURABILITY)

## LIFT

UF AERODYNAMIC LIFT  
LIFT COEFFICIENTS  
LIFT DISTRIBUTION  
LIFT FORCES  
VARIABLE LIFT  
GS AERODYNAMIC CHARACTERISTICS  
. LIFT  
. INTERFERENCE LIFT  
. JET LIFT  
. ROTOR LIFT  
. ZERO LIFT  
AERODYNAMIC FORCES  
. LIFT  
. INTERFERENCE LIFT  
. JET LIFT  
. ROTOR LIFT  
. ZERO LIFT  
DYNAMIC CHARACTERISTICS  
. LIFT  
. INTERFERENCE LIFT  
. JET LIFT  
. ROTOR LIFT  
. ZERO LIFT  
RT AERODYNAMIC COEFFICIENTS  
AERODYNAMIC CONFIGURATIONS  
AERODYNAMIC DRAG  
AERODYNAMICS  
AIRFOILS  
ANGLE OF ATTACK  
ASPECT RATIO  
CAMBER  
DISTRIBUTION (PROPERTY)  
DRAG  
EXTERNALLY BLOWN FLAPS  
GLIDING  
GROUND EFFECT (AERODYNAMICS)  
HYPERSONIC FORCES  
LEADING EDGE THRUST  
PRESSURE DISTRIBUTION  
SWEEP EFFECT  
UNDER SURFACE BLOWING  
UPPER SURFACE BLOWING

## LIFT AUGMENTATION

RT BOUNDARY LAYER CONTROL  
CIRCULATION CONTROL AIRFOILS  
DOWNWASH  
PERIPHERAL JET FLOW  
SPANWISE BLOWING

## LIFT COEFFICIENTS

### LIFT AUGMENTATION-(CONT.)

UPPER SURFACE BLOWN FLAPS  
VORTEX FLAPS

### LIFT COEFFICIENTS

USE AERODYNAMIC COEFFICIENTS  
LIFT

### LIFT DEVICES

UF LIFTING SURFACES  
RT BOUNDARY LAYER CONTROL  
∞ DEVICES  
DIRECT LIFT CONTROLS  
DRAG DEVICES  
EXTERNALLY BLOWN FLAPS  
FLAPS (CONTROL SURFACES)  
MAGNETIC LEVITATION VEHICLES  
SLOTS  
UPPER SURFACE BLOWN FLAPS

### LIFT DISTRIBUTION

USE FORCE DISTRIBUTION  
LIFT

### LIFT DRAG RATIO

UF DRAG BALANCE  
GS RATIOS  
LIFT DRAG RATIO  
RT AERODYNAMIC BALANCE  
AERODYNAMIC COEFFICIENTS  
AERODYNAMIC DRAG  
AERODYNAMIC STALLING  
BOUNDARY LAYER SEPARATION  
DRAG REDUCTION  
FORCE DISTRIBUTION  
PRESSURE RATIO

### LIFT FANS

UF FANLIFT DEVICES  
RT DUCTED FANS  
FAN IN WING AIRCRAFT  
LIFTING ROTORS  
PROPELLER FANS  
ROTARY WINGS  
SHORT TAKEOFF AIRCRAFT  
TURBOFANS  
VERTICAL TAKEOFF AIRCRAFT  
XV-11A AIRCRAFT

### LIFT FORCES

USE LIFT

### LIFTING BODIES

UF LIFTING SURFACES  
GS LIFTING BODIES  
LIFTING REENTRY VEHICLES  
FDL-5 REENTRY VEHICLE  
HL-10 REENTRY VEHICLE  
HLD-35 REENTRY VEHICLE  
JANUS SPACECRAFT  
M-2 LIFTING BODY  
M-2F2 LIFTING BODY  
X-20 AIRCRAFT  
X-24 AIRCRAFT  
M-2F3 LIFTING BODY  
RT AERODYNAMIC CONFIGURATIONS  
AIRFOILS  
BLUFF BODIES  
∞ BODIES  
DEVICES  
LUNAR FLYING VEHICLES  
REENTRY VEHICLES  
TOWED BODIES  
WAVERIDERS

### LIFTING REENTRY VEHICLES

UF REENTRY GLIDERS  
SPACE GLIDERS  
GS LIFTING BODIES  
LIFTING REENTRY VEHICLES  
FDL-5 REENTRY VEHICLE  
HL-10 REENTRY VEHICLE  
HLD-35 REENTRY VEHICLE  
JANUS SPACECRAFT  
M-2 LIFTING BODY  
M-2F2 LIFTING BODY  
X-20 AIRCRAFT  
X-24 AIRCRAFT  
REENTRY VEHICLES  
MANEUVERABLE REENTRY BODIES  
LIFTING REENTRY VEHICLES  
FDL-5 REENTRY VEHICLE  
HL-10 REENTRY VEHICLE  
HLD-35 REENTRY VEHICLE  
JANUS SPACECRAFT

### LIFTING REENTRY VEHICLES-(CONT.)

M-2 LIFTING BODY  
M-2F2 LIFTING BODY  
X-20 AIRCRAFT  
X-24 AIRCRAFT  
RT AEROSPACE PLANES  
∞ AIRCRAFT  
ASSET GLIDERS  
ASTRO VEHICLE  
BOOSTGLIDE VEHICLES  
GLIDERS  
HYPERSONIC GLIDERS  
MANNED REENTRY  
MANNED SPACECRAFT  
RECOVERABLE SPACECRAFT  
REENTRY  
SPACECRAFT REENTRY

### LIFTING ROTORS

GS AIRFOILS  
WINGS  
ROTARY WINGS  
LIFTING ROTORS  
BEARINGLESS ROTORS  
ROTATING BODIES  
ROTORS  
ROTARY WINGS  
LIFTING ROTORS  
BEARINGLESS ROTORS  
RT GROUND EFFECT MACHINES  
LIFT FANS  
ROTARY WING AIRCRAFT  
SHORT TAKEOFF AIRCRAFT  
VERTICAL TAKEOFF AIRCRAFT

### LIFTING SURFACES

USE LIFT DEVICES  
LIFTING BODIES  
SURFACES

### LIFTOFF (LAUNCHING)

GS LAUNCHING  
ROCKET LAUNCHING  
LIFTOFF (LAUNCHING)  
SPACECRAFT LAUNCHING  
LIFTOFF (LAUNCHING)  
RT BOOSTER ROCKET ENGINES  
COUNTDOWN  
LAUNCHING PADS  
ROCKET FIRING  
ROCKET THRUST

### ∞ LIFTS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT CONVEYORS  
CRANES  
ELEVATORS (LIFTS)  
ESCALATORS  
JACKS (LIFTS)  
WINCHES

### LIGAMENTS

RT CONNECTIVE TISSUE  
JOINTS (ANATOMY)

### LIGANDS

RT CHEMICAL BONDS  
CHEMICAL COMPOSITION

### LIGHT (VISIBLE RADIATION)

UF EXTRAGALACTIC LIGHT  
OPTICAL SPECTRUM  
VISIBLE RADIATION  
GS ELECTROMAGNETIC RADIATION  
LIGHT (VISIBLE RADIATION)  
COHERENT LIGHT  
GEGENSCHIEIN  
LIGHT BEAMS  
POLARIZED LIGHT  
SKY RADIATION  
AIRGLOW  
GEOCORONAL EMISSIONS  
NIGHTGLOW  
TWILIGHT GLOW  
DAYGLOW  
SUNLIGHT  
ZODIACAL LIGHT  
RT ATMOSPHERIC RADIATION  
ATTENUATION  
BEAMS (RADIATION)  
BLACK BODY RADIATION  
BRIGHTNESS  
CERENKOV RADIATION

### LIGHT (VISIBLE RADIATION)-(CONT.)

COHERENT ELECTROMAGNETIC  
RADIATION  
COHERENT RADIATION  
COLOR  
CRITICAL FREQUENCIES  
DARKNESS  
DICHROISM  
ELECTROMAGNETIC SPECTRA  
ENERGY ABSORPTION  
EXCITONS  
EXTRATERRESTRIAL RADIATION  
∞ FLASH  
GEOMETRICAL OPTICS  
GLARE  
ILLUMINANCE  
INCANDESCENCE  
INFRARED RADIATION  
LIGHT CURVE  
LIGHTING EQUIPMENT  
LINE SPECTRA  
LUMENS  
LUMINAIRES  
LUMINANCE  
LUMINESCENCE  
LUMINOSITY  
LUMINOUS INTENSITY  
MONOCHROMATIC RADIATION  
NEAR INFRARED RADIATION  
NEAR ULTRAVIOLET RADIATION  
OPACITY  
OPTICAL DEPOLARIZATION  
OPTICAL EMISSION SPECTROSCOPY  
OPTICAL MEASUREMENT  
OPTICAL PROPERTIES  
∞ OPTICS  
PHOTICS  
PHOTOMETRY  
PHOTONS  
PHOTONUCLEAR REACTIONS  
PHOTOPHILIC PLANTS  
PHOTOPHORESIS  
PHOTOSENSITIVITY  
PLANETARY RADIATION  
POLARIZED ELECTROMAGNETIC  
RADIATION  
POLARIZERS  
∞ RADIATION  
RAMAN SPECTRA  
REFLECTION  
REFRACTION  
REFRACTIVITY  
SHADOWS  
SKY BRIGHTNESS  
SOLAR RADIATION  
THERMAL RADIATION  
TRANSMITTANCE  
ULTRAVIOLET SPECTRA  
VISIBILITY  
VISIBLE SPECTRUM

### LIGHT ABSORPTION

USE ELECTROMAGNETIC ABSORPTION

### LIGHT ADAPTATION

GS ADAPTATION  
RETINAL ADAPTATION  
LIGHT ADAPTATION  
SENSITIVITY  
PHOTOSENSITIVITY  
LIGHT ADAPTATION  
RT FLASH BLINDNESS  
NIGHT VISION  
PUPILLOMETRY  
THRESHOLDS (PERCEPTION)  
VISION

### LIGHT AIRBORNE MULTIPURPOSE SYSTEM

UF LAMPS PROGRAM  
GS NAVIGATION AIDS  
LIGHT AIRBORNE MULTIPURPOSE  
SYSTEM  
ONBOARD EQUIPMENT  
AIRBORNE EQUIPMENT  
LIGHT AIRBORNE MULTIPURPOSE  
SYSTEM  
RT AIRCRAFT EQUIPMENT  
FLIGHT INSTRUMENTS  
NAVIGATION INSTRUMENTS  
∞ SYSTEMS

### LIGHT AIRCRAFT

GS LIGHT AIRCRAFT  
BEECH 99 AIRCRAFT  
BEECHCRAFT 18 AIRCRAFT

## LIGHT SOURCES

### LIGHT AIRCRAFT-(CONT.)

. C-33 AIRCRAFT  
 . C-35 AIRCRAFT  
 . CESSNA L-19 AIRCRAFT  
 . CESSNA 172 AIRCRAFT  
 . CESSNA 205 AIRCRAFT  
 . CESSNA 210 AIRCRAFT  
 . CESSNA 402B AIRCRAFT  
 . DH 125 AIRCRAFT  
 . DO-27 AIRCRAFT  
 . DO-28 AIRCRAFT  
 . F-28 HELICOPTER  
 . FIREBEE 2 TARGET DRONE AIRCRAFT  
 . G-1 AIRCRAFT  
 . G-91 AIRCRAFT  
 . LIGHT INTRATHEATER TRANSPORT  
 . MH-262 AIRCRAFT  
 . MYSTERE 20 AIRCRAFT  
 . OH-4 HELICOPTER  
 . OH-5 HELICOPTER  
 . OH-6 HELICOPTER  
 . OH-13 HELICOPTER  
 . OH-23 HELICOPTER  
 . OH-58 HELICOPTER  
 . P-166 AIRCRAFT  
 . PD-808 AIRCRAFT  
 . PIPER AIRCRAFT  
 . PA-34 SENECA AIRCRAFT  
 . SAAB 105 AIRCRAFT  
 . SC-7 AIRCRAFT  
 . U-10 AIRCRAFT  
 . VZ-8 AIRCRAFT  
 . YAK 40 AIRCRAFT  
 RT AGRICULTURAL AIRCRAFT  
 ∞ AIRCRAFT  
 BIPLANES  
 DRONE AIRCRAFT  
 GENERAL AVIATION AIRCRAFT  
 ∞ LOW WING AIRCRAFT  
 ∞ MILITARY AIRCRAFT  
 MYSTERE 50 AIRCRAFT  
 OBSERVATION AIRCRAFT  
 PASSENGER AIRCRAFT  
 PILOTLESS AIRCRAFT  
 RECONNAISSANCE AIRCRAFT  
 SUBMERSIBLE AIRCRAFT  
 ∞ SUBSONIC AIRCRAFT  
 TERRAIN FOLLOWING AIRCRAFT  
 TRAINING AIRCRAFT  
 TRANSPORT AIRCRAFT  
 ULTRALIGHT AIRCRAFT  
 UTILITY AIRCRAFT  
 WATER TAKEOFF AND LANDING AIRCRAFT

### LIGHT ALLOYS

GS ALLOYS  
 . LIGHT ALLOYS  
 . ALUMINUM ALLOYS  
 . BERYLLIUM ALLOYS  
 . MAGNESIUM ALLOYS  
 RT ∞ METALLURGY  
 METALS

### LIGHT AMPLIFIERS

UF OPTICAL AMPLIFIERS  
 GS AMPLIFIERS  
 . LIGHT AMPLIFIERS  
 RT HCN LASERS  
 IMAGE CONVERTERS  
 IMAGE ENHANCEMENT  
 IMAGE INTENSIFIERS  
 LALLEMAND CAMERAS  
 LASER CAVITIES  
 LASER MICROSCOPY  
 LASERS  
 MICROCHANNELS  
 ∞ OPTICS  
 PHOTOCATHODES  
 ULTRASHORT PULSED LASERS  
 ULTRAVIOLET LASERS

### LIGHT ARMED RECONNAISSANCE AIRCRAFT

USE COIN AIRCRAFT

### LIGHT BEAMS

UF LIGHT PROBES  
 GS BEAMS (RADIATION)  
 . PHOTON BEAMS  
 . LIGHT BEAMS  
 ELECTROMAGNETIC RADIATION  
 . LIGHT (VISIBLE RADIATION)  
 . LIGHT BEAMS  
 . PHOTON BEAMS  
 . LIGHT BEAMS

### LIGHT BEAMS-(CONT.)

PARTICLES  
 . ELEMENTARY PARTICLES  
 . BOSONS  
 . PHOTONS  
 . LIGHT BEAMS  
 RT LASERS  
 OPTICAL WAVEGUIDES  
 RARE GAS-HALIDE LASERS

### LIGHT BULBS

USE LUMINAIRES

### LIGHT COMMUNICATION

USE OPTICAL COMMUNICATION

### LIGHT CURVE

RT ∞ CURVES  
 LIGHT (VISIBLE RADIATION)  
 STELLAR RADIATION

### LIGHT DURATION

USE FLASH  
 PULSE DURATION

### LIGHT ELEMENTS

GS CHEMICAL ELEMENTS  
 . LIGHT ELEMENTS  
 RT ∞ ELEMENTS  
 LOW DENSITY MATERIALS

### LIGHT EMISSION

UF OPTICAL EMISSION  
 GS EMISSION  
 . LIGHT EMISSION  
 . INCANDESCENCE  
 . LUMINESCENCE  
 . BIOLUMINESCENCE  
 . CATHODE GLOW  
 . CATHODOLUMINESCENCE  
 . CHEMILUMINESCENCE  
 . ELECTROLUMINESCENCE  
 . FLUORESCENCE  
 . LASER INDUCED FLUORESCENCE  
 . PHOSPHORESCENCE  
 . RESONANCE FLUORESCENCE  
 . X RAY FLUORESCENCE  
 . LUNAR LUMINESCENCE  
 . OPTICAL RESONANCE  
 . PHOTOLUMINESCENCE  
 . TRIBOLUMINESCENCE  
 . X RAY FLUORESCENCE  
 . SHOCK WAVE LUMINESCENCE  
 . SONOLUMINESCENCE  
 . SPACECRAFT GLOW  
 . THERMOLUMINESCENCE

RT AIRGLOW  
 AURORAL ABSORPTION  
 AURORAL IONIZATION  
 AURORAL SPECTROSCOPY  
 AURORAS  
 DIFFRACTION RADIATION  
 DIMMING  
 ELECTROMAGNETIC RADIATION  
 LINEAR POLARIZATION  
 ∞ OPTICS  
 SELF SUSTAINED EMISSION  
 SKY BRIGHTNESS  
 SPECTRAL EMISSION  
 STIMULATED EMISSION  
 WHITE HOLES (ASTRONOMY)

### LIGHT EMITTING DIODES

UF LED (DIODES)  
 GS ELECTRONIC EQUIPMENT  
 . DIODES  
 . SEMICONDUCTOR DIODES  
 . LIGHT EMITTING DIODES  
 . SOLID STATE DEVICES  
 . SEMICONDUCTOR DEVICES  
 . LIGHT EMITTING DIODES  
 RT AIRCRAFT INSTRUMENTS  
 ALPHANUMERIC CHARACTERS  
 DISPLAY DEVICES  
 ELECTROLUMINESCENCE  
 LUMINESCENCE  
 PHOTONICS

### LIGHT GAS GUNS

GS GAS GUNS  
 . LIGHT GAS GUNS  
 RT HYPERVELOCITY PROJECTILES

### LIGHT INTENSITY

USE LUMINOUS INTENSITY

### LIGHT INTRATHEATER TRANSPORT

GS LIGHT AIRCRAFT  
 . LIGHT INTRATHEATER TRANSPORT  
 TRANSPORT AIRCRAFT  
 . LIGHT INTRATHEATER TRANSPORT  
 RT ∞ AIRCRAFT  
 COIN AIRCRAFT

### LIGHT IONS

GS IONS  
 . LIGHT IONS  
 RT CHEMICAL ELEMENTS  
 HEAVY IONS  
 PLASMAS (PHYSICS)

### LIGHT MODULATION

UF OPTICAL MASER MODULATION  
 OPTICAL MODULATION  
 MODULATION  
 GS . LIGHT MODULATION  
 . MIROS SYSTEM  
 . ULTRASONIC LIGHT MODULATION  
 RT AMPLITUDE MODULATION  
 ELECTRO-OPTICAL EFFECT  
 FREQUENCY MODULATION  
 KERR ELECTROOPTICAL EFFECT  
 LASERS  
 LIGHT VALVES  
 MODULATORS  
 OPTICAL HETERODYNING  
 OPTICAL RESONATORS  
 OPTICAL SWITCHING  
 ∞ OPTICS  
 PULSE MODULATION  
 TRAVELING WAVE MODULATION  
 TUNABLE LASERS

### LIGHT PRESSURE

USE ILLUMINANCE

### LIGHT PROBES

USE LIGHT BEAMS

### LIGHT SCATTERING

GS SCATTERING  
 . WAVE SCATTERING  
 . ELECTROMAGNETIC SCATTERING  
 . LIGHT SCATTERING  
 . HALOS  
 TRANSMISSION  
 . ELECTROMAGNETIC WAVE  
 TRANSMISSION  
 . LIGHT TRANSMISSION  
 . LIGHT SCATTERING  
 . HALOS  
 . WAVE PROPAGATION  
 . LIGHT SCATTERING  
 . HALOS  
 RT AFTERGLOWS  
 ATMOSPHERIC SCATTERING  
 BIDIRECTIONAL REFLECTANCE  
 BRILLOUIN EFFECT  
 CIRCUMSOLAR RADIATION  
 DIFFUSE RADIATION  
 ELECTROMAGNETIC ABSORPTION  
 FORWARD SCATTERING  
 GRAVITATIONAL LENSES  
 INFRARED ABSORPTION  
 RAYLEIGH SCATTERING  
 REFLECTION NEBULAE  
 SCATTER PLATES (OPTICS)  
 SPECKLE PATTERNS  
 TRANSMISSIVITY  
 TROPOSPHERIC SCATTERING  
 UMKEHR EFFECT

### LIGHT SCATTERING METERS

GS MEASURING INSTRUMENTS  
 . OPTICAL MEASURING INSTRUMENTS  
 . LIGHT SCATTERING METERS  
 OPTICAL EQUIPMENT  
 . OPTICAL MEASURING INSTRUMENTS  
 . LIGHT SCATTERING METERS  
 RT METEOROLOGICAL INSTRUMENTS

### LIGHT SOURCES

GS LIGHT SOURCES  
 . ILLUMINATORS  
 RT ARC LAMPS  
 CATHODOLUMINESCENCE  
 DAYGLOW  
 DUOCHROMATORS

## LIGHT SPEED

### LIGHT SOURCES-(CONT.)

ELECTRIC ARCS  
ELECTROLUMINESCENCE  
FLASH LAMPS  
GLOW DISCHARGES  
HCN LASERS  
HEAT SOURCES  
ILLUMINATING  
LASERS  
LIGHTING EQUIPMENT  
LUMINAIRES  
MERCURY LAMPS  
MONOCHROMATORS  
MOON  
PLASMA DISPLAY DEVICES  
POINT SOURCES  
RADIATION SOURCES  
SUN

### LIGHT SPEED

GS RATES (PER TIME)  
    **LIGHT SPEED**  
    VELOCITY  
RT **LIGHT SPEED**  
HIGH SPEED  
RELATIVISTIC VELOCITY  
SCHWARZSCHILD METRIC

### LIGHT TRANSMISSION

UF OPTICAL ABSORPTION  
GS TRANSMISSION  
    ELECTROMAGNETIC WAVE  
    TRANSMISSION  
    **LIGHT TRANSMISSION**  
    LIGHT SCATTERING  
    HALOS  
RT ABSORPTANCE  
ATMOSPHERIC OPTICS  
ATMOSPHERIC REFRACTION  
FERMAT PRINCIPLE  
FIBER OPTICS  
FLICKER  
GAMMA RAY LASERS  
GEOMETRICAL OPTICS  
HAZE  
ILLUMINATING  
ILLUMINATION  
INTEGRATED OPTICS  
LASERS  
LOW VISIBILITY  
MOLECULAR ABSORPTION  
OPACITY  
OPTICAL BISTABILITY  
OPTICAL COUPLING  
OPTICAL PROPERTIES  
OPTICAL REFLECTION  
OPTICAL WAVEGUIDES  
RAINBOWS  
SAGNAC EFFECT  
SQUEEZED STATES (QUANTUM THEORY)  
STIMULATED EMISSION DEVICES  
TRANSLUCENCE  
TRANSPARENCE  
TURBIDITY  
ULTRAVIOLET LASERS  
VISIBILITY  
WAVE DISPERSION  
WAVE PROPAGATION

### LIGHT TRANSPORT AIRCRAFT

GS COMMERCIAL AIRCRAFT  
    **LIGHT TRANSPORT AIRCRAFT**  
    TRANSPORT AIRCRAFT  
    **LIGHT TRANSPORT AIRCRAFT**  
RT  $\infty$  AIRCRAFT  
MULTIENGINE VEHICLES  
PASSENGER AIRCRAFT

### LIGHT VALVES

RT ELECTRO-OPTICS  
LIGHT MODULATION  
LIQUID CRYSTALS  
OPTICAL DATA PROCESSING

### LIGHT WATER

UF PROTIUM  
GS HYDROGEN COMPOUNDS  
    **LIGHT WATER**  
    WATER  
    **LIGHT WATER**

### LIGHT WATER BREEDER REACTORS

GS NUCLEAR REACTORS  
    BREEDER REACTORS  
    **LIGHT WATER BREEDER REACTORS**

### LIGHT WATER BREEDER REACTORS-(CONT.)

RT HEAVY WATER REACTORS

### LIGHT WATER REACTORS

GS NUCLEAR REACTORS  
    LIQUID COOLED REACTORS  
    WATER COOLED REACTORS  
    **LIGHT WATER REACTORS**  
RT WATER MODERATED REACTORS

### LIGHT-CONE EXPANSION

RT FIELD THEORY (PHYSICS)  
MINKOWSKI SPACE  
QUANTUM MECHANICS  
RELATIVITY  
SPACE-TIME FUNCTIONS

### LIGHTHILL GAS MODEL

GS MODELS  
    **LIGHTHILL GAS MODEL**  
RT BOUNDARY LAYER FLOW  
GAS MIXTURES  
GAS TRANSPORT  
HYPERSONIC FLOW  
MOLECULAR THEORY  
TRANSPORT PROPERTIES

### LIGHTHILL METHOD

RT AIRFOIL PROFILES  
AIRFOILS  
CONFORMAL MAPPING  
FLOW THEORY  
INTEGRAL TRANSFORMATIONS  
 $\infty$  METHODOLOGY

### LIGHTING

USE ILLUMINATING

### LIGHTING EQUIPMENT

GS **LIGHTING EQUIPMENT**  
    ILLUMINATORS  
    LUMINAIRES  
    AIRCRAFT LIGHTS  
    AIRPORT LIGHTS  
    RUNWAY LIGHTS  
    ARC LAMPS  
    FLASH LAMPS  
    ALKALI VAPOR LAMPS  
    MERCURY LAMPS  
    QUARTZ LAMPS  
    SEARCHLIGHTS  
    XENON LAMPS  
RT  $\infty$  ELECTRIC EQUIPMENT  
 $\infty$  EQUIPMENT  
 $\infty$  FLARES  
ILLUMINATING  
LIGHT (VISIBLE RADIATION)  
LIGHT SOURCES  
ONBOARD EQUIPMENT  
WASTE ENERGY UTILIZATION

### LIGHTNING

GS ELECTRIC CURRENT  
    ELECTRIC DISCHARGES  
    **LIGHTNING**  
    BALL LIGHTNING  
RT  $\infty$  ARRESTERS  
ATMOSPHERIC ELECTRICITY  
ELECTRIC ARCS  
ELECTRIC SPARKS  
ELECTRICITY  
ELECTRODELESS DISCHARGES  
GAS DISCHARGES  
LIGHTNING SUPPRESSION  
NITROGENATION  
RADIATIVE RECOMBINATION  
STATIC ELECTRICITY  
THUNDERSTORMS  
WHISTLERS

### LIGHTNING SUPPRESSION

GS WEATHER MODIFICATION  
    **LIGHTNING SUPPRESSION**  
RT ATMOSPHERIC ELECTRICITY  
CLIMATOLOGY  
ELECTRIC DISCHARGES  
LIGHTNING  
THUNDERSTORMS

### LIGHTS

USE LUMINAIRES

### LIGNIN

RT CELLULOSE

### LIGNIN-(CONT.)

$\infty$  POLYMERS

### LIGNITE

GS RESOURCES  
    EARTH RESOURCES  
    FOSSIL FUELS  
    COAL  
    **LIGNITE**  
ROCKS  
    SEDIMENTARY ROCKS  
    CARBONACEOUS ROCKS  
    COAL  
    **LIGNITE**  
RT ASHES  
BITUMENS  
CARBONACEOUS MATERIALS  
COAL GASIFICATION  
COAL LIQUEFACTION  
COAL UTILIZATION  
COKE  
ENERGY CONVERSION  
ENERGY POLICY  
ENERGY TECHNOLOGY  
GASEOUS FUELS  
HYDROCARBON FUEL PRODUCTION  
HYDROGEN PRODUCTION  
HYDROLYSIS  
SYNTHANE

### LIKELIHOOD RATIO

GS STATISTICAL ANALYSIS  
    **LIKELIHOOD RATIO**  
RT ESTIMATES  
MATHEMATICAL MODELS  
MAXIMUM LIKELIHOOD ESTIMATES  
PROBABILITY THEORY  
STATISTICAL TESTS

### LIMB BRIGHTENING

RT B STARS  
BRIGHTNESS  
BRIGHTNESS TEMPERATURE  
 $\infty$  LIMBS  
SOLAR FLUX  
SOLAR FLUX DENSITY  
SOLAR GRANULATION  
SOLAR LIMB  
STELLAR ATMOSPHERES  
STELLAR LUMINOSITY

### LIMB DARKENING

GS DARKENING  
    **LIMB DARKENING**  
RT B STARS  
BINARY STARS  
 $\infty$  LIMBS  
SOLAR LIMB  
STELLAR ATMOSPHERES  
STELLAR LUMINOSITY

### $\infty$ LIMBS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT EARTH LIMB  
LIMB BRIGHTENING  
LIMB DARKENING  
LIMBS (ANATOMY)  
LUNAR LIMB  
PLANETARY LIMB  
SOLAR LIMB

### LIMBS (ANATOMY)

GS ANATOMY  
    **LIMBS (ANATOMY)**  
    ARM (ANATOMY)  
    ELBOW (ANATOMY)  
    FOREARM  
    HAND (ANATOMY)  
    FINGERS  
    LEG (ANATOMY)  
    FEET (ANATOMY)  
    KNEE (ANATOMY)  
RT APPENDAGES  
HUMAN BODY  
 $\infty$  LIMBS

### LIME

USE CALCIUM OXIDES

### LIMEN

RT PSYCHOLOGICAL TESTS  
THRESHOLDS (PERCEPTION)

## LINEAR OPERATORS

<b>LIMESTONE</b> GS ROCKS . SEDIMENTARY ROCKS . <b>LIMESTONE</b> RT AGGREGATES CALCIUM CARBONATES DOLOMITE (MINERAL) EARTH RESOURCES FLUXES MINERALS SCHIST SOILS	<b>LINCOLN EXPERIMENTAL SATELLITES</b> UF LES (SATELLITES) GS ARTIFICIAL SATELLITES . <b>LINCOLN EXPERIMENTAL SATELLITES</b>	<b>LINEAR ACCELERATORS-(CONT.)</b> ION SOURCES MULTIFACTOR DISCHARGES NEUTRON SOURCES
<b>LIMITATIONS</b> USE CONSTRAINTS	<b>LINE CURRENT</b> GS ELECTRIC CURRENT . <b>LINE CURRENT</b> RT ELECTRIC POWER SUPPLIES ELECTRODYNAMICS MAGNETOHYDRODYNAMIC FLOW PLASMA CURRENTS ∞ POWER SUPPLIES	<b>LINEAR AMPLIFIERS</b> GS AMPLIFIERS . <b>LINEAR AMPLIFIERS</b>
<b>LIMITER AMPLIFIERS</b> GS AMPLIFIERS . <b>LIMITER AMPLIFIERS</b>	<b>LINE OF SIGHT</b> RT AREA COORDINATES ∞ DIRECTION LOCI TARGETS	<b>LINEAR ARRAYS</b> GS ARRAYS . ANTENNA ARRAYS . <b>LINEAR ARRAYS</b> . . . ENDFIRE ARRAYS . . . . YAGI ANTENNAS RT DIPOLE ANTENNAS FOCAL PLANE DEVICES MULTIPLE BEAM INTERVAL SCANNERS PHASED ARRAYS PUSHBROOM SENSOR MODES
<b>LIMITER CIRCUITS</b> GS CIRCUITS . <b>LIMITER CIRCUITS</b> . . CLIPPER CIRCUITS RT CIRCULATORS (PHASE SHIFT CIRCUITS) CLAMPING CIRCUITS CURRENT REGULATORS POWER LIMITERS	<b>LINE OF SIGHT COMMUNICATION</b> GS TELECOMMUNICATION . COMMUNICATION . <b>LINE OF SIGHT COMMUNICATION</b> RT BORESIGHT ERROR FREQUENCY MODULATION SPACE COMMUNICATION TELEVISION TRANSMISSION	<b>LINEAR CIRCUITS</b> GS CIRCUITS . <b>LINEAR CIRCUITS</b> RT AMPLIFIERS DISTRIBUTED PARAMETER SYSTEMS ELECTRICAL RESISTANCE SUPERPOSITION (MATHEMATICS) TRANSCONDUCTANCE VOLT-AMPERE CHARACTERISTICS
<b>LIMITERS (FUSION REACTORS)</b> RT BLANKETS (FUSION REACTORS) CONTROLLED FUSION FUSION REACTORS MODERATION (ENERGY ABSORPTION) MODERATORS PLASMA CONTROL PLASMA LOSS REACTOR DESIGN REACTOR MATERIALS TOKAMAK DEVICES TOROIDAL PLASMAS WALLS	<b>LINE SHAPE</b> GS SHAPES . <b>LINE SHAPE</b> RT CURVES (GEOMETRY) INFLECTION POINTS ∞ PROFILES	<b>LINEAR ENERGY TRANSFER (LET)</b> GS ENERGY TRANSFER . <b>LINEAR ENERGY TRANSFER (LET)</b> RT IONIZING RADIATION
<b>LIMITS</b> SN <i>(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)</i> RT IGNITION LIMITS LIMITS (MATHEMATICS) RANGE (EXTREMES)	<b>LINE SPECTRA</b> UF SPECTRAL LINES GS SPECTRA . RADIATION SPECTRA . . ELECTROMAGNETIC SPECTRA . . . <b>LINE SPECTRA</b> . . . . BALMER SERIES . . . . D LINES . . . . ELECTRONIC SPECTRA . . . . FRAUNHOFER LINES . . . . H LINES . . . . . H ALPHA LINE . . . . . H BETA LINE . . . . . H GAMMA LINE . . . . K LINES . . . . LYMAN SPECTRA . . . . PASCHEN SERIES . . . . RYDBERG SERIES . . . . TELLURIC LINES RT ABSORPTION SPECTRA ATOMIC ENERGY LEVELS BOHR THEORY EMISSION SPECTRA FINE STRUCTURE FLAME SPECTROSCOPY FREQUENCIES HYPERFINE STRUCTURE INFRARED SPECTRA LIGHT (VISIBLE RADIATION) ∞ LINES MOLECULAR SPECTROSCOPY OSCILLATOR STRENGTHS PRESSURE BROADENING RAMAN SPECTRA RAMAN SPECTROSCOPY RESONANCE LINES SEYFERT GALAXIES SOLAR SPECTRA SPECTRAL BANDS SPECTRAL EMISSION SPECTRAL ENERGY DISTRIBUTION SPECTRAL LINE WIDTH SPECTRAL RESOLUTION SPECTROGRAMS SPECTRUM ANALYSIS STARK EFFECT STELLAR SPECTRA ULTRAVIOLET SPECTRA VISIBLE SPECTRUM	<b>LINEAR EQUATIONS</b> GS ALGEBRA . <b>LINEAR EQUATIONS</b> . . LINEAR EVOLUTION EQUATIONS . . . RICCATI EQUATION ANALYSIS (MATHEMATICS) . REAL VARIABLES . <b>LINEAR EQUATIONS</b> . . LINEAR EVOLUTION EQUATIONS . . . RICCATI EQUATION RT DETERMINANTS DIFFERENTIAL EQUATIONS ∞ EQUATIONS FLOQUET THEOREM GAUSSIAN ELIMINATION LINEAR OPERATORS MATRICES (MATHEMATICS) OPERATIONAL CALCULUS POLYNOMIALS
<b>LIMITS (MATHEMATICS)</b> GS ANALYSIS (MATHEMATICS) . CALCULUS . . <b>LIMITS (MATHEMATICS)</b> . . . REAL VARIABLES . . . EXTREMUM VALUES . . . <b>LIMITS (MATHEMATICS)</b> RT DIFFERENTIAL CALCULUS ∞ ENVELOPES ∞ LIMITS	<b>LINE SPECTRA</b> UF SPECTRAL LINES GS SPECTRA . RADIATION SPECTRA . . ELECTROMAGNETIC SPECTRA . . . <b>LINE SPECTRA</b> . . . . BALMER SERIES . . . . D LINES . . . . ELECTRONIC SPECTRA . . . . FRAUNHOFER LINES . . . . H LINES . . . . . H ALPHA LINE . . . . . H BETA LINE . . . . . H GAMMA LINE . . . . K LINES . . . . LYMAN SPECTRA . . . . PASCHEN SERIES . . . . RYDBERG SERIES . . . . TELLURIC LINES RT ABSORPTION SPECTRA ATOMIC ENERGY LEVELS BOHR THEORY EMISSION SPECTRA FINE STRUCTURE FLAME SPECTROSCOPY FREQUENCIES HYPERFINE STRUCTURE INFRARED SPECTRA LIGHT (VISIBLE RADIATION) ∞ LINES MOLECULAR SPECTROSCOPY OSCILLATOR STRENGTHS PRESSURE BROADENING RAMAN SPECTRA RAMAN SPECTROSCOPY RESONANCE LINES SEYFERT GALAXIES SOLAR SPECTRA SPECTRAL BANDS SPECTRAL EMISSION SPECTRAL ENERGY DISTRIBUTION SPECTRAL LINE WIDTH SPECTRAL RESOLUTION SPECTROGRAMS SPECTRUM ANALYSIS STARK EFFECT STELLAR SPECTRA ULTRAVIOLET SPECTRA VISIBLE SPECTRUM	<b>LINEAR EVOLUTION EQUATIONS</b> GS ALGEBRA . LINEAR EQUATIONS . . <b>LINEAR EVOLUTION EQUATIONS</b> ANALYSIS (MATHEMATICS) . REAL VARIABLES . . LINEAR EQUATIONS . . . <b>LINEAR EVOLUTION EQUATIONS</b> RT DIFFERENCE EQUATIONS ∞ EQUATIONS
<b>LIMNOLOGY</b> RT AQUIFERS ARROYOS EARTH HYDROSPHERE FRESH WATER GEOCHEMISTRY GEOPHYSICS GROUND WATER ∞ HYDRAULICS HYDROGRAPHY HYDROLOGY LAKE TEXOMA (OK-TX) LAKES MARINE BIOLOGY MARINE CHEMISTRY PONDS POTABLE WATER RAIN STREAMS WATER WATER MANAGEMENT WATER POLLUTION WATER RESOURCES WELLS	<b>LINEAMENT</b> USE STRUCTURAL PROPERTIES (GEOLOGY)	<b>LINEAR FILTERS</b> GS <b>LINEAR FILTERS</b> . KALMAN FILTERS . REDUCED ORDER FILTERS RT ADAPTIVE FILTERS ELECTRIC FILTERS ELECTROMAGNETIC WAVE FILTERS ∞ FILTERS ∞ FREQUENCY RESPONSE NONLINEAR FILTERS
<b>LIMONITE</b> GS IRON COMPOUNDS . <b>LIMONITE</b> MINERALS . <b>LIMONITE</b>	<b>LINEAR ACCELERATORS</b> GS PARTICLE ACCELERATORS . <b>LINEAR ACCELERATORS</b> RT ∞ ACCELERATORS ELECTRON ACCELERATORS	<b>LINEAR INTEGRATED CIRCUITS</b> GS CIRCUITS . INTEGRATED CIRCUITS . . <b>LINEAR INTEGRATED CIRCUITS</b> RT ELECTRONIC PACKAGING LARGE SCALE INTEGRATION MICROMINIATURIZATION MOLECULAR ELECTRONICS OPERATIONAL AMPLIFIERS TRANSISTOR CIRCUITS
		<b>LINEAR OPERATORS</b> GS OPERATORS (MATHEMATICS) . <b>LINEAR OPERATORS</b> RT LINEAR EQUATIONS LINEAR SYSTEMS



## LINEAR POLARIZATION

### LINEAR OPERATORS-(CONT.) LINEAR TRANSFORMATIONS

**LINEAR POLARIZATION**  
GS POLARIZATION (WAVES)  
RT . **LINEAR POLARIZATION**  
LIGHT EMISSION  
MICROWAVE EMISSION  
OPTICAL POLARIZATION  
∞ POLARIZATION  
POLARIZED ELECTROMAGNETIC  
RADIATION  
POLARIZED RADIATION  
RADIO ASTRONOMY

**LINEAR PREDICTION**  
GS PREDICTIONS  
RT . **LINEAR PREDICTION**  
COMPUTATION  
DIFFERENTIAL PULSE CODE  
MODULATION  
MATHEMATICAL MODELS  
OPERATIONS RESEARCH  
QUALITY CONTROL  
STATISTICAL ANALYSIS

**LINEAR PROGRAMMING**  
GS OPTIMIZATION  
MATHEMATICAL PROGRAMMING  
RT . **LINEAR PROGRAMMING**  
RESEARCH  
∞ **LINEAR PROGRAMMING**  
APPLICATIONS OF MATHEMATICS  
COMPUTER PROGRAMMING  
CONSTRAINTS  
DYNAMIC PROGRAMMING  
FORMALISM  
GAME THEORY  
MATRICES (MATHEMATICS)  
NONLINEAR PROGRAMMING  
NUMERICAL ANALYSIS  
OPERATIONS RESEARCH  
PROGRAMMING  
SIMPLEX METHOD

**LINEAR QUADRATIC GAUSSIAN CONTROL**  
UF LQG CONTROL  
GS AUTOMATIC CONTROL  
OPTIMAL CONTROL  
LINEAR QUADRATIC REGULATOR  
LINEAR QUADRATIC GAUSSIAN  
CONTROL  
OPTIMIZATION  
OPTIMAL CONTROL  
LINEAR QUADRATIC REGULATOR  
LINEAR QUADRATIC GAUSSIAN  
CONTROL  
RT ∞ CONTROL  
CONTROL SYSTEMS DESIGN  
CONTROL THEORY  
FEEDBACK CONTROL  
KALMAN FILTERS

**LINEAR QUADRATIC REGULATOR**  
UF LINEAR REGULATOR  
LQR  
GS AUTOMATIC CONTROL  
OPTIMAL CONTROL  
LINEAR QUADRATIC REGULATOR  
LINEAR QUADRATIC GAUSSIAN  
CONTROL  
OPTIMIZATION  
OPTIMAL CONTROL  
LINEAR QUADRATIC REGULATOR  
LINEAR QUADRATIC GAUSSIAN  
CONTROL  
RT ∞ CONTROL  
CONTROL SYSTEMS DESIGN  
CONTROL THEORY  
CONTROLLERS  
FEEDBACK CONTROL  
KALMAN FILTERS

**LINEAR RECEIVERS**  
GS RECEIVERS  
RT . **LINEAR RECEIVERS**  
FREQUENCY RESPONSE  
NYQUIST FREQUENCIES

**LINEAR REGULATOR**  
USE LINEAR QUADRATIC REGULATOR

**LINEAR SYSTEMS**  
RT DISTRIBUTED PARAMETER SYSTEMS  
LINEAR OPERATORS

**LINEAR SYSTEMS-(CONT.)**  
NONLINEAR SYSTEMS  
ROBUSTNESS (MATHEMATICS)  
STATE ESTIMATION  
∞ SYSTEMS  
TRACKING PROBLEM

**LINEAR TRANSFORMATIONS**  
GS ALGEBRA  
LINEAR TRANSFORMATIONS  
FUNCTIONS (MATHEMATICS)  
LINEAR TRANSFORMATIONS  
TRANSFORMATIONS (MATHEMATICS)  
RT . **LINEAR TRANSFORMATIONS**  
FOURIER ANALYSIS  
JORDAN FORM  
LINEAR OPERATORS  
MATRICES (MATHEMATICS)  
ORTHOGONAL FUNCTIONS  
SCHWARTZ INEQUALITY  
VECTOR SPACES

**LINEAR VIBRATION**  
GS VIBRATION  
STRUCTURAL VIBRATION  
RT . **LINEAR VIBRATION**  
FREE VIBRATION  
MISSILE VIBRATION  
RANDOM VIBRATION  
VIBRATION MODE

**LINEARITY**  
GS **LINEARITY**  
COLLINEARITY  
RT ACCURACY  
CONSISTENCY  
DIFFERENTIAL EQUATIONS  
DYNAMIC CHARACTERISTICS  
ERRORS  
FUNCTIONS (MATHEMATICS)  
INSTRUMENT ERRORS  
LINEARIZATION  
NONLINEARITY  
TOLERANCES (MECHANICS)  
VARIABILITY

**LINEARIZATION**  
RT BERNOULLI THEOREM  
∞ EQUATIONS  
GALERKIN METHOD  
LINEARITY  
SIMPLIFICATION

**LINEN**  
GS FABRICS  
LINEN  
FIBERS  
TEXTILES  
RT . **LINEN**  
ORGANIC MATERIALS

**LINERS**  
USE LININGS

∞ **LINES**  
SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT DELAY LINES  
LINE SPECTRA  
LINES OF FORCE  
PIPELINES  
TERMINATOR LINES  
TETHERLINES  
TRANSMISSION LINES  
UNDERGROUND TRANSMISSION LINES

**LINES (GEOMETRY)**  
GS GEOMETRY  
EUCLIDEAN GEOMETRY  
LINES (GEOMETRY)  
CHORDS (GEOMETRY)  
GEODESIC LINES  
RT RADII  
RECIPROCAL THEOREMS  
SEGMENTS

**LINES OF FORCE**  
RT BARIUM ION CLOUDS  
CONJUGATE POINTS  
FLUX PINNING  
∞ FORCE  
∞ LINES

**LINES OF FORCE-(CONT.)**  
MAGNETIC CIRCUITS  
MAGNETIC DOMAINS  
MAGNETIC FIELDS  
MAGNETIC FLUX  
MAGNETIC MIRRORS  
MAGNETIC PROPERTIES  
MAGNETOSTATIC FIELDS  
NONUNIFORM MAGNETIC FIELDS  
POLAR CUSPS

**LING-TEMCO-VOUGHT AIRCRAFT**  
UF LTV AIRCRAFT  
GS **LING-TEMCO-VOUGHT AIRCRAFT**  
A-7 AIRCRAFT  
F-8 AIRCRAFT  
XC-142 AIRCRAFT  
RT ∞ AIRCRAFT

**LINGUISTICS**  
GS **LINGUISTICS**  
MACHINE TRANSLATION  
PHONEMES  
PHONEMICS  
PSYCHOLINGUISTICS  
SEMANTICS  
SYNTAX  
SENTENCES  
WORDS (LANGUAGE)  
SYLLABLES  
RT LANGUAGES  
ORTHOGRAPHY  
SPEECH

**LINING PROCESSES**  
RT COATING  
COATINGS  
INSULATION  
LININGS  
SEALING  
TUNNELING (EXCAVATION)

**LININGS**  
UF LINERS  
GS **LININGS**  
ROCKET LININGS  
RT BUSHINGS  
CASING  
COATINGS  
INSERTS  
INSULATION  
JACKETS  
LINING PROCESSES  
SHEATHS  
SHIELDING  
∞ TUBES

**LINKAGES**  
RT CAMS  
CONNECTORS  
COUPLING  
COUPLINGS  
ECCENTRICS  
FASTENERS  
FITTINGS  
JOINTS (JUNCTIONS)  
LATCHES  
LINKS  
MECHANICAL DEVICES  
UNIONS (CONNECTORS)  
YOKES

**LINKING**  
USE JOINING

∞ **LINKS**  
SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT CHAINS  
LINKAGES  
LINKS (MATHEMATICS)

**LINKS (MATHEMATICS)**  
GS GEOMETRY  
TOPOLOGY  
LINKS (MATHEMATICS)  
RT ∞ LINKS

**LIOUVILLE EQUATIONS**  
GS ANALYSIS (MATHEMATICS)  
REAL VARIABLES  
DIFFERENTIAL EQUATIONS  
PARTIAL DIFFERENTIAL EQUATIONS

## LIQUID COOLING

### LIOUVILLE EQUATIONS-(CONT.)

- ... LIOUVILLE EQUATIONS
- RT  $\infty$  EQUATIONS
- PLASMA PHYSICS
- PLASMAS (PHYSICS)
- STATISTICAL MECHANICS

### LIOUVILLE THEOREM

- GS ANALYSIS (MATHEMATICS)
- ... COMPLEX VARIABLES
- ... LIOUVILLE THEOREM
- THEOREMS
- ... LIOUVILLE THEOREM

### LIP READING

- GS COMMUNICATING
- ... LIP READING
- READING
- ... LIP READING

### LIPID METABOLISM

- GS METABOLISM
- ... PROTEIN METABOLISM
- ... LIPID METABOLISM
- THEOREMS
- RT  $\infty$  NUTRIENTS
- OILS

### LIPIDS

- GS ORGANIC COMPOUNDS
- ... LIPIDS
- ... CALCIFEROL
- ... CASTOR OIL
- ... FATS
- ... LIPOPROTEINS
- ... PHYLLQUINONE
- ... RETINENE
- ... STEROIDS
- ... CHOLESTEROL
- ... CORTICOSTEROIDS
- ... ALDOSTERONE
- ... HYDROXYCORTICOSTEROID
- ... CORTISONE
- ... ESTROGENS
- ... PROSTAGLANDINS
- ... TOCOPHEROL
- RT AMINO ACIDS
- ESTERS
- GLYCEROLS
- MYELIN
- $\infty$  NUTRIENTS

### LIPIC ACID

- GS ACIDS
- ... CARBOXYLIC ACIDS
- ... FATTY ACIDS
- ... LIPIC ACID
- ORGANIC COMPOUNDS
- ... CARBOXYLIC ACIDS
- ... FATTY ACIDS
- ... LIPIC ACID

### LIPOPROTEINS

- GS BIOPOLYMERS
- ... PROTEINS
- ... LIPOPROTEINS
- ORGANIC COMPOUNDS
- ... LIPIDS
- ... LIPOPROTEINS
- ... PROTEINS
- ... LIPOPROTEINS

### LIPS (ANATOMY)

- GS ANATOMY
- ... FACE (ANATOMY)
- ... MOUTH
- ... LIPS (ANATOMY)
- RT HEAD (ANATOMY)

### LIPSCHITZ CONDITION

- GS ANALYSIS (MATHEMATICS)
- ... REAL VARIABLES
- ... LIPSCHITZ CONDITION
- CONDITIONS
- ... LIPSCHITZ CONDITION
- RT DIFFERENTIAL EQUATIONS

### LIQUEFACTION

- GS PHASE TRANSFORMATIONS
- ... LIQUEFACTION
- ... COAL LIQUEFACTION
- RT  $\infty$  CONDENSATION
- $\infty$  CONVERSION
- JET CONDENSERS
- MELTING

### LIQUEFACTION-(CONT.)

- NONCONDENSABLE GASES
- THIXOTROPY

### LIQUEFIED GASES

- GS GASES
- ... LIQUEFIED GASES
- ... LIQUEFIED NATURAL GAS
- ... LIQUID AIR
- ... LIQUID AMMONIA
- ... LIQUID FLUORINE
- ... LIQUID HELIUM
- ... LIQUID HELIUM 2
- ... LIQUID HYDROGEN
- ... LIQUID NEON
- ... LIQUID NITROGEN
- ... LIQUID OXYGEN
- LIQUIDS
- ... LIQUEFIED GASES
- ... LIQUEFIED NATURAL GAS
- ... LIQUID AIR
- ... LIQUID AMMONIA
- ... LIQUID FLUORINE
- ... LIQUID HELIUM
- ... LIQUID HELIUM 2
- ... LIQUID HYDROGEN
- ... LIQUID NEON
- ... LIQUID NITROGEN
- ... LIQUID OXYGEN
- RT CONDENSATES
- CONDENSERS (LIQUEFIERS)
- CRYOGENIC ROCKET PROPELLANTS
- CRYOGENICS
- GAS MIXTURES
- LIQUID ROCKET PROPELLANTS
- SOLID CRYOGEN COOLING

### LIQUEFIED NATURAL GAS

- UF LNG
- GS FUELS
- ... CHEMICAL FUELS
- ... HYDROCARBON FUELS
- ... LIQUEFIED NATURAL GAS
- GASES
- ... FLAMMABLE GASES
- ... LIQUEFIED NATURAL GAS
- LIQUEFIED GASES
- ... LIQUEFIED NATURAL GAS
- LIQUIDS
- ... LIQUEFIED GASES
- ... LIQUEFIED NATURAL GAS
- ORGANIC COMPOUNDS
- ... HYDROCARBONS
- ... LIQUEFIED NATURAL GAS
- RT METHANE
- NATURAL GAS

### LIQUID AIR

- GS GASES
- ... GAS MIXTURES
- ... AIR
- ... LIQUID AIR
- LIQUEFIED GASES
- ... LIQUID AIR
- LIQUIDS
- ... LIQUEFIED GASES
- ... LIQUID AIR
- MIXTURES
- ... SOLUTIONS
- ... GAS MIXTURES
- ... AIR
- ... LIQUID AIR

### LIQUID AIR CYCLE ENGINES

- UF LACE (ENGINE)
- GS ENGINES
- ... ROCKET ENGINES
- ... LIQUID PROPELLANT ROCKET
- ENGINES
- ... LIQUID AIR CYCLE ENGINES
- RT AEROSPACE PLANES
- HYDROGEN OXYGEN ENGINES
- SUSTAINER ROCKET ENGINES
- TURBOROCKET ENGINES

### LIQUID ALLOYS

- GS ALLOYS
- ... LIQUID ALLOYS
- RT METALS

### LIQUID AMMONIA

- GS GASES
- ... AMMONIA
- ... LIQUID AMMONIA
- LIQUEFIED GASES

### LIQUID AMMONIA-(CONT.)

- ... LIQUID AMMONIA
- INORGANIC COMPOUNDS
- ... AMMONIA
- ... LIQUID AMMONIA
- LIQUIDS
- ... LIQUEFIED GASES
- ... LIQUID AMMONIA
- NITROGEN COMPOUNDS
- ... AMMONIA
- ... LIQUID AMMONIA
- RT FUELS
- LIQUID FUELS

### LIQUID ATOMIZATION

- GS ATOMIZING
- ... LIQUID ATOMIZATION
- RT GAS ATOMIZATION
- SPRAYING

### LIQUID BEARINGS

- GS BEARINGS
- ... LIQUID BEARINGS
- RT LUBRICATION

### LIQUID BREATHING

- GS RESPIRATION
- ... LIQUID BREATHING
- RT ACCLIMATIZATION
- PRESSURE BREATHING
- RESUSCITATION

### LIQUID CHROMATOGRAPHY

- UF GEL PERMEATION CHROMATOGRAPHY
- GS CHEMICAL TESTS
- ... CHEMICAL ANALYSIS
- ... CHROMATOGRAPHY
- ... LIQUID CHROMATOGRAPHY
- RT COLORIMETRY
- PAPER CHROMATOGRAPHY
- SORPTION

### LIQUID COOLED REACTORS

- GS NUCLEAR REACTORS
- ... LIQUID COOLED REACTORS
- ... LIQUID METAL COOLED REACTORS
- ... ADVANCED SODIUM COOLED
- REACTOR
- ... EXPERIMENTAL BREEDER REACTOR
- 1
- ... EXPERIMENTAL BREEDER REACTOR
- 2
- ... LITHIUM COOLED REACTOR
- EXPERIMENT
- ... LOS ALAMOS MOLTEN PLUTONIUM
- REACTOR
- ... MILITARY COMPACT REACTORS
- ... SODIUM GRAPHITE REACTORS
- ... SODIUM REACTOR EXPERIMENT
- ... ORGANIC COOLED REACTORS
- ... EXPERIMENTAL ORGANIC COOLED
- REACTORS
- ... WATER COOLED REACTORS
- ... BOILING WATER REACTORS
- ... EXPERIMENTAL BOILING WATER
- REACTORS
- ... HALDEN BOILING WATER
- REACTOR
- ... LOS ALAMOS WATER BOILER
- REACTOR
- ... PATHFINDER NUCLEAR REACTOR
- ... SPERT REACTORS
- ... HEAVY WATER REACTORS
- ... HEAVY WATER COMPONENTS
- TEST REACTORS
- ... PLUTONIUM RECYCLE TEST
- REACTOR
- ... ZERO POWER REACTOR 2
- ... LIGHT WATER REACTORS
- ... NRX REACTORS
- ... PLUM BROOK REACTOR
- ... PRESSURIZED WATER REACTORS
- ... SPECTRAL SHIFT CONTROL
- REACTOR
- ... SWIMMING POOL REACTORS
- ... ZERO POWER REACTORS
- ... ZERO POWER REACTOR 2
- ... ZERO POWER REACTOR 3
- ... ZERO POWER REACTOR 6
- ... ZERO POWER REACTOR 9
- RT SODIUM COOLING

### LIQUID COOLING

- SN (COOLING WITH LIQUIDS)
- UF WATER COOLING

## LIQUID CRYSTALS

### LIQUID COOLING-(CONT.)

GS COOLING  
 . LIQUID COOLING  
 . . FILM COOLING  
 RT AIR COOLING  
 COOLANTS  
 COOLING SYSTEMS  
 SODIUM COOLING  
 SPACE COOLING (BUILDINGS)  
 SWEAT COOLING  
 THERMAL POLLUTION  
 WATER IMMERSION

### LIQUID CRYSTALS

GS CRYSTALS  
 . LIQUID CRYSTALS  
 RT ANISOTROPIC FLUIDS  
 CHOLESTEROL  
 LIGHT VALVES

### LIQUID DROPS

USE DROPS (LIQUIDS)

### LIQUID FILLED SHELLS

GS SHELLS (STRUCTURAL FORMS)  
 . FLUID FILLED SHELLS  
 . . LIQUID FILLED SHELLS  
 RT HYDRODYNAMIC RAM EFFECT  
 PROPELLANT TANKS  
 REINFORCED SHELLS  
 SHELL STABILITY  
 ∞ STORAGE  
 TANKS (CONTAINERS)  
 ∞ VESSELS

### LIQUID FLOW

GS FLUID FLOW  
 . LIQUID FLOW  
 . . OPEN CHANNEL FLOW  
 . . WATER FLOW  
 RT CRITICAL FLOW  
 GAS FLOW  
 HEAD (FLUID MECHANICS)  
 HEAD FLOW  
 HYDRODYNAMIC COEFFICIENTS  
 LAMINAR FLOW  
 MASS FLOW  
 MULTIPHASE FLOW  
 NONNEWTONIAN FLOW  
 ORIFICE FLOW  
 PIPE FLOW  
 PRESSURE GRADIENTS  
 PRESSURE HEADS  
 RHEOLOGY  
 SINGLE-PHASE FLOW  
 SOROT COEFFICIENT  
 STEADY FLOW  
 SUBCRITICAL FLOW  
 SUPERCRITICAL FLOW  
 TURBULENT FLOW  
 TWO PHASE FLOW  
 UNIFORM FLOW  
 UNSTEADY FLOW

### LIQUID FLUORINE

GS GASES  
 . LIQUEFIED GASES  
 . . LIQUID FLUORINE  
 LIQUIDS  
 . LIQUEFIED GASES  
 . . LIQUID FLUORINE

### LIQUID FUELS

GS FUELS  
 . CHEMICAL FUELS  
 . . LIQUID FUELS  
 . . . AIRCRAFT FUELS  
 . . . ANTIMISTING FUELS  
 . . . AUTOMOBILE FUELS  
 . . . DIESEL FUELS  
 . . . GASOLINE  
 . . . HYDROGEN FUELS  
 . . . JET ENGINE FUELS  
 . . . . JP-4 JET FUEL  
 . . . . JP-5 JET FUEL  
 . . . . JP-6 JET FUEL  
 . . . . JP-8 JET FUEL  
 . . . KEROSENE  
 RT FUEL PRODUCTION  
 GASEOUS FUELS  
 LIQUID AMMONIA  
 LIQUID HYDROGEN  
 LIQUID ROCKET PROPELLANTS  
 LIQUIDS  
 SYNTHETIC FUELS

### LIQUID HELIUM

UF HELIUM 2  
 GS CHEMICAL ELEMENTS  
 . RARE GASES  
 . . HELIUM  
 . . . LIQUID HELIUM  
 . . . . LIQUID HELIUM 2  
 GASES  
 . LIQUEFIED GASES  
 . . LIQUID HELIUM 2  
 . . . RARE GASES  
 . . . HELIUM  
 . . . LIQUID HELIUM  
 . . . . LIQUID HELIUM 2  
 LIQUIDS  
 . CRYOGENIC FLUIDS  
 . . LIQUID HELIUM  
 . . . LIQUID HELIUM 2  
 . . LIQUEFIED GASES  
 . . LIQUID HELIUM  
 . . . LIQUID HELIUM 2  
 RT CRYOSTATS  
 SUPERFLUIDITY  
 TWO FLUID MODELS

### LIQUID HELIUM 2

GS CHEMICAL ELEMENTS  
 . RARE GASES  
 . . HELIUM  
 . . . LIQUID HELIUM  
 . . . . LIQUID HELIUM 2  
 GASES  
 . LIQUEFIED GASES  
 . . LIQUID HELIUM  
 . . . LIQUID HELIUM 2  
 . . . RARE GASES  
 . . . HELIUM  
 . . . LIQUID HELIUM  
 . . . . LIQUID HELIUM 2  
 LIQUIDS  
 . CRYOGENIC FLUIDS  
 . . LIQUID HELIUM  
 . . . LIQUID HELIUM 2  
 . . LIQUEFIED GASES  
 . . LIQUID HELIUM  
 . . . LIQUID HELIUM 2  
 RT CRYOSTATS  
 SUPERFLUIDITY

### LIQUID HYDROGEN

GS CHEMICAL ELEMENTS  
 . HYDROGEN  
 . . LIQUID HYDROGEN  
 GASES  
 . HYDROGEN  
 . . LIQUID HYDROGEN  
 . . LIQUEFIED GASES  
 . . LIQUID HYDROGEN  
 LIQUIDS  
 . CRYOGENIC FLUIDS  
 . . LIQUID HYDROGEN  
 . . LIQUEFIED GASES  
 . . LIQUID HYDROGEN  
 RT CRYOGENIC ROCKET PROPELLANTS  
 FUELS  
 HYDROGEN FUELS  
 HYDROGEN-BASED ENERGY  
 LIQUID FUELS  
 TOPPING CYCLE ENGINES

### LIQUID INJECTION

GS INJECTION  
 . FLUID INJECTION  
 . . LIQUID INJECTION  
 . . . DEEP WELL INJECTION (WASTES)  
 . . . WATER INJECTION  
 RT FILM COOLING  
 FUEL INJECTION  
 FUEL SPRAYS  
 MIXING  
 PROPELLANT SPRAYS  
 THRUST VECTOR CONTROL

### LIQUID LASERS

GS STIMULATED EMISSION DEVICES  
 . LASERS  
 . . LIQUID LASERS  
 RT CARBON LASERS  
 CHEMICAL LASERS  
 DYE LASERS  
 INFRARED LASERS  
 ORGANIC LASERS

### LIQUID LEVELS

GS LEVEL (HORIZONTAL)  
 . LIQUID LEVELS  
 RT FLUID BOUNDARIES

### LIQUID LITHIUM

GS CHEMICAL ELEMENTS  
 . ALKALI METALS  
 . . LITHIUM  
 . . . LIQUID LITHIUM  
 LIQUIDS  
 . LIQUID METALS  
 . . LIQUID LITHIUM  
 METALS  
 . ALKALI METALS  
 . . LITHIUM  
 . . . LIQUID LITHIUM  
 . . LIQUID METALS  
 . . LIQUID LITHIUM

### LIQUID MERCURY

USE MERCURY (METAL)

### LIQUID METAL COOLED REACTORS

UF LMCR (REACTORS)  
 GS NUCLEAR REACTORS  
 . LIQUID COOLED REACTORS  
 . . LIQUID METAL COOLED REACTORS  
 . . . ADVANCED SODIUM COOLED  
 REACTOR  
 . . . EXPERIMENTAL BREEDER REACTOR  
 1  
 . . . EXPERIMENTAL BREEDER REACTOR  
 2  
 . . . LITHIUM COOLED REACTOR  
 EXPERIMENT  
 . . . LOS ALAMOS MOLTEN PLUTONIUM  
 REACTOR  
 . . . MILITARY COMPACT REACTORS  
 . . . SODIUM GRAPHITE REACTORS  
 . . . SODIUM REACTOR EXPERIMENT  
 RT ENRICO FERMI ATOMIC POWER PLANT  
 SODIUM

### LIQUID METAL FAST BREEDER REACTORS

UF LMFR  
 GS NUCLEAR REACTORS  
 . BREEDER REACTORS  
 . . LIQUID METAL FAST BREEDER  
 REACTORS  
 . FAST NUCLEAR REACTORS  
 . . LIQUID METAL FAST BREEDER  
 REACTORS  
 RT NUCLEAR POWER REACTORS

### LIQUID METALS

GS LIQUIDS  
 . LIQUID METALS  
 . . LIQUID LITHIUM  
 . . LIQUID POTASSIUM  
 . . LIQUID SODIUM  
 . . MERCURY (METAL)  
 . . . MERCURY VAPOR  
 METALS  
 . LIQUID METALS  
 . . LIQUID LITHIUM  
 . . LIQUID POTASSIUM  
 . . LIQUID SODIUM  
 . . MERCURY (METAL)  
 . . . MERCURY VAPOR  
 RT CASTING  
 LEVITATION MELTING  
 LUBRICANTS  
 MELTING  
 METAL VAPORS

### LIQUID NEON

GS CHEMICAL ELEMENTS  
 . RARE GASES  
 . . NEON  
 . . . LIQUID NEON  
 GASES  
 . LIQUEFIED GASES  
 . . LIQUID NEON  
 . . RARE GASES  
 . . NEON  
 . . . LIQUID NEON  
 LIQUIDS  
 . LIQUEFIED GASES  
 . . LIQUID NEON

### LIQUID NITROGEN

GS CHEMICAL ELEMENTS  
 . NITROGEN  
 . . LIQUID NITROGEN

## LIQUID-GAS MIXTURES

### LIQUID NITROGEN-(CONT.)

GASES  
 . LIQUEFIED GASES  
 . . . **LIQUID NITROGEN**  
 . NITROGEN  
 . . . **LIQUID NITROGEN**  
 LIQUIDS  
 . CRYOGENIC FLUIDS  
 . . . **LIQUID NITROGEN**  
 . LIQUEFIED GASES  
 . . . **LIQUID NITROGEN**  
 RT HIGH TEMPERATURE  
 SUPERCONDUCTORS  
 SOLID CRYOGENS

### LIQUID OXIDIZERS

GS LIQUIDS  
 . **LIQUID OXIDIZERS**  
 OXIDIZERS  
 . . . **LIQUID OXIDIZERS**  
 RT ROCKET OXIDIZERS

### LIQUID OXYGEN

UF LOX (OXYGEN)  
 GS CHEMICAL ELEMENTS  
 . OXYGEN  
 . . . **LIQUID OXYGEN**  
 GASES  
 . LIQUEFIED GASES  
 . . . **LIQUID OXYGEN**  
 . OXYGEN  
 . . . **LIQUID OXYGEN**  
 LIQUIDS  
 . CRYOGENIC FLUIDS  
 . . . **LIQUID OXYGEN**  
 . LIQUEFIED GASES  
 . . . **LIQUID OXYGEN**  
 OXIDIZERS  
 . . . **LIQUID OXYGEN**  
 RT CRYOGENIC ROCKET PROPELLANTS  
 FLOX  
 ROCKET OXIDIZERS

### LIQUID PHASE EPITAXY

GS GROWTH  
 . CRYSTAL GROWTH  
 . EPITAXY  
 . . . **LIQUID PHASE EPITAXY**  
 RT CRYSTAL STRUCTURE  
 LIQUID PHASES  
 VAPOR PHASE EPITAXY

### LIQUID PHASES

RT ALLOYS  
 CRITICAL PRESSURE  
 ELECTROEPITAXY  
 EUTECTICS  
 LIQUID PHASE EPITAXY  
 LIQUIDS  
 LIQUIDS  
 MELTING POINTS  
 PHASE DIAGRAMS  
 ∞ PHASES  
 SOLID PHASES  
 SOLID SOLUTIONS  
 SOLIDUS  
 SOLUBILITY  
 SUPERCRITICAL PRESSURES  
 SYNTACTIC ALLOYS  
 TRANSITION TEMPERATURE  
 VAPOR PHASE EPITAXY  
 VAPOR PHASES

### LIQUID PLUS SOLID ZONES

USE MUSHY ZONES

### LIQUID POTASSIUM

GS CHEMICAL ELEMENTS  
 . ALKALI METALS  
 . . . POTASSIUM  
 . . . **LIQUID POTASSIUM**  
 LIQUIDS  
 . LIQUID METALS  
 . . . **LIQUID POTASSIUM**  
 METALS  
 . ALKALI METALS  
 . . . POTASSIUM  
 . . . **LIQUID POTASSIUM**  
 . LIQUID METALS  
 . . . **LIQUID POTASSIUM**

### LIQUID PROPELLANT ROCKET ENGINES

GS ENGINES  
 . ROCKET ENGINES

### LIQUID PROPELLANT ROCKET-(CONT.)

. . . **LIQUID PROPELLANT ROCKET ENGINES**  
 . . . AJ-10 ENGINE  
 . . . F-1 ROCKET ENGINE  
 . . . H-1 ENGINE  
 . . . HYDRAZINE ENGINES  
 . . . HYDROGEN OXYGEN ENGINES  
 . . . J-2 ENGINE  
 . . . M-1 ENGINE  
 . . . RL-10-A-1 ENGINE  
 . . . RL-10-A-3 ENGINE  
 . . . LIQUID AIR CYCLE ENGINES  
 . . . LR-62-RM-2 ENGINE  
 . . . LR-87-AJ-5 ENGINE  
 . . . LR-91-AJ-5 ENGINE  
 . . . LR-99 ENGINE  
 . . . MA-2 ENGINE  
 . . . MA-3 ENGINE  
 . . . MA-5 ENGINE  
 . . . RL-10 ENGINES  
 . . . RL-10-A-1 ENGINE  
 . . . RL-10-A-3 ENGINE  
 . . . SPACE SHUTTLE MAIN ENGINE  
 . . . X-405 ENGINE  
 . . . XLR-99 ENGINE  
 . . . YLR-91-AJ-1 ENGINE  
 RT ABLESTAR LAUNCH VEHICLE  
 ATLAS SLV-3 LAUNCH VEHICLE  
 BLACK KNIGHT ROCKET VEHICLE  
 BLUE STEEL MISSILE  
 BLUE STREAK LAUNCH VEHICLE  
 BLUE STREAK MISSILE  
 BOMARC A MISSILE  
 BOMARC B MISSILE  
 BOOSTER ROCKET ENGINES  
 CENTAUR LAUNCH VEHICLE  
 CORPORAL MISSILE  
 CORVUS MISSILE  
 DIAMANT LAUNCH VEHICLE  
 DORNIER PARAGLIDER ROCKET VEHICLE  
 DUCTED ROCKET ENGINES  
 HYBRID PROPELLANT ROCKET ENGINES  
 HYLTA-STAR ROCKET VEHICLE  
 INTERNAL COMBUSTION ENGINES  
 JUNO LAUNCH VEHICLES  
 JUNO 1 LAUNCH VEHICLE  
 JUNO 2 LAUNCH VEHICLE  
 JUPITER C ROCKET VEHICLE  
 JUPITER MISSILE  
 LANCE MISSILE  
 METEOR 1 ROCKET VEHICLE  
 NAVAHO MISSILE  
 NIKE-AJAX MISSILE  
 NOMAD LAUNCH VEHICLE  
 NOVA LAUNCH VEHICLES  
 PROPELLANT TANKS  
 RESTARTABLE ROCKET ENGINES  
 RETROCKET ENGINES  
 SATURN S-1 STAGE  
 SATURN S-1B STAGE  
 SATURN S-1C STAGE  
 SATURN S-2 STAGE  
 SATURN S-4 STAGE  
 SATURN S-4B STAGE  
 SATURN STAGES  
 SOLID PROPELLANT ROCKET ENGINES  
 SPARROW 3 MISSILE  
 SUSTAINER ROCKET ENGINES  
 TALOS MISSILE  
 THOR ABLE ROCKET VEHICLE  
 THOR AGENA LAUNCH VEHICLE  
 THOR DELTA LAUNCH VEHICLE  
 THOR LAUNCH VEHICLES  
 THORAD LAUNCH VEHICLES  
 TITAN ICBM  
 TITAN LAUNCH VEHICLES  
 V-1 MISSILE  
 V-2 MISSILE  
 VANGUARD 2 LAUNCH VEHICLE  
 VEGA LAUNCH VEHICLE  
 VERNIER ENGINES  
 VERONIQUE ROCKET VEHICLES  
 VIKING ROCKET VEHICLE

### LIQUID ROCKET PROPELLANTS

UF BIPOPELLANTS  
 TRIPROPELLANTS  
 GS PROPELLANTS  
 . ROCKET PROPELLANTS  
 . . . **LIQUID ROCKET PROPELLANTS**  
 . . . CRYOGENIC ROCKET PROPELLANTS  
 . . . GELLED ROCKET PROPELLANTS  
 . . . HYPERGOLIC ROCKET PROPELLANTS

### LIQUID ROCKET PROPELLANTS-(CONT.)

. . . MONOPROPELLANTS  
 . . . AEROZINE  
 . . . RP-1 ROCKET PROPELLANTS  
 . . . SLURRY PROPELLANTS  
 RT AIRCRAFT FUELS  
 CHLORINE FLUORIDES  
 FUEL TANK PRESSURIZATION  
 GASEOUS ROCKET PROPELLANTS  
 HIGH ENERGY PROPELLANTS  
 HYBRID PROPELLANTS  
 HYDRAZINES  
 HYDROGEN FUELS  
 LIQUEFIED GASES  
 LIQUID FUELS  
 LIQUIDS  
 NITROGEN TETROXIDE  
 PROPELLANT SPRAYS  
 SOLID ROCKET PROPELLANTS  
 STORABLE PROPELLANTS

### LIQUID ROTATION

USE ROTATING LIQUIDS

### LIQUID SLOSHING

UF SLOSHING  
 RT AERODYNAMIC STABILITY  
 AIRCRAFT STABILITY  
 BAFFLES  
 CONTROLLABILITY  
 FUEL CONTROL  
 FUEL TANKS  
 INTERFACE STABILITY  
 PROPELLANT TANKS  
 PROPELLANT TRANSFER  
 ROTATING FLUIDS  
 SPACECRAFT STABILITY  
 STORAGE STABILITY  
 TANK GEOMETRY  
 ULLAGE

### LIQUID SODIUM

GS CHEMICAL ELEMENTS  
 . ALKALI METALS  
 . . . SODIUM  
 . . . **LIQUID SODIUM**  
 LIQUIDS  
 . LIQUID METALS  
 . . . **LIQUID SODIUM**  
 METALS  
 . ALKALI METALS  
 . . . SODIUM  
 . . . **LIQUID SODIUM**  
 . LIQUID METALS  
 . . . **LIQUID SODIUM**

### LIQUID SURFACES

GS **LIQUID SURFACES**  
 . MENISCI  
 RT FLUID BOUNDARIES  
 FREE BOUNDARIES  
 INTERFACIAL TENSION  
 JET BOUNDARIES  
 SOLID SURFACES  
 SURFACE WAVES  
 ∞ SURFACES

### LIQUID WASTES

GS WASTES  
 . **LIQUID WASTES**  
 . . . URINE  
 . . . WASTE WATER  
 RT DRAINAGE  
 EFFLUENTS  
 HUMAN WASTES  
 INDUSTRIAL WASTES  
 METABOLIC WASTES  
 PONDS  
 SEWAGE  
 SLUDGE  
 SOLID WASTES

### LIQUID-GAS MIXTURES

GS MIXTURES  
 . DISPERSIONS  
 . . . **LIQUID-GAS MIXTURES**  
 . . . AEROSOLS  
 . . . FOG  
 RT AIR WATER INTERACTIONS  
 BINARY MIXTURES  
 GAS MIXTURES  
 MENISCI  
 SOLUBILITY  
 VAPOR PHASES  
 VAPOR PRESSURE

## LIQUID-LIQUID INTERFACES

### LIQUID-LIQUID INTERFACES

- GS BOUNDARIES
  - . FLUID BOUNDARIES
  - . . . **LIQUID-LIQUID INTERFACES**
- INTERFACES
  - . FLUID BOUNDARIES
  - . . . **LIQUID-LIQUID INTERFACES**
- RT BOUNDARY LAYERS
  - . FREE BOUNDARIES
  - . HEAT TRANSFER
  - . INTERFACE STABILITY
  - . INTERFACIAL ENERGY
  - . INTERFACIAL TENSION
  - . PRESSURE GRADIENTS
  - . SOLUBILITY

### LIQUID-SOLID INTERFACES

- GS BOUNDARIES
  - . FLUID BOUNDARIES
  - . . . **LIQUID-SOLID INTERFACES**
- INTERFACES
  - . FLUID BOUNDARIES
  - . . . **LIQUID-SOLID INTERFACES**
- RT BOUNDARY LAYERS
  - . FLUID FILMS
  - . FLUID-SOLID INTERACTIONS
- ∞ FUSION
  - . HEAT TRANSFER
  - . INTERFACE STABILITY
  - . MELTING
  - . MENISCI
  - . METAL SURFACES
  - . PHASE CHANGE MATERIALS
  - . SOLID PHASES
  - . SOLID-SOLID INTERFACES
  - . SQUEEZE FILMS

### LIQUID-VAPOR EQUILIBRIUM

- UF VAPOR LIQUID EQUILIBRIUM
- RT ∞ EQUILIBRIUM
  - . THERMODYNAMIC EQUILIBRIUM
  - . VAPORS

### LIQUID-VAPOR INTERFACES

- GS BOUNDARIES
  - . FLUID BOUNDARIES
  - . . . **LIQUID-VAPOR INTERFACES**
- INTERFACES
  - . FLUID BOUNDARIES
  - . . . **LIQUID-VAPOR INTERFACES**
- RT AIR WATER INTERACTIONS
  - . EVAPORATION
  - . FREE BOUNDARIES
  - . HEAT TRANSFER
  - . INTERFACE STABILITY
  - . MENISCI
  - . PRESSURE GRADIENTS
  - . SOLUBILITY
  - . VAPOR PHASES
  - . VAPOR PRESSURE

### LIQUIDS

- GS **LIQUIDS**
  - . CRYOGENIC FLUIDS
  - . . . FERMI LIQUIDS
  - . . . FLOX
  - . . . LIQUID HELIUM
  - . . . LIQUID HELIUM 2
  - . . . LIQUID HYDROGEN
  - . . . LIQUID NITROGEN
  - . . . LIQUID OXYGEN
  - . FERROFLUIDS
  - . HYDRAULIC FLUIDS
  - . . . SKYDROL (TRADEMARK)
  - . JUICES
  - . LIQUEFIED GASES
  - . . . LIQUEFIED NATURAL GAS
  - . . . LIQUID AIR
  - . . . LIQUID AMMONIA
  - . . . LIQUID FLUORINE
  - . . . LIQUID HELIUM
  - . . . LIQUID HELIUM 2
  - . . . LIQUID HYDROGEN
  - . . . LIQUID NEON
  - . . . LIQUID NITROGEN
  - . . . LIQUID OXYGEN
  - . LIQUID METALS
  - . . . LIQUID LITHIUM
  - . . . LIQUID POTASSIUM
  - . . . LIQUID SODIUM
  - . . . MERCURY (METAL)
  - . . . MERCURY VAPOR
  - . LIQUID OXIDIZERS
  - . ORGANIC LIQUIDS
  - . POTABLE LIQUIDS

### LIQUIDS-(CONT.)

- . . . BEVERAGES
- . . . WINES
- . . . POTABLE WATER
- . . . ROTATING LIQUIDS
- RT ∞ FLUIDS
  - . GLOBULES
  - . GLYCEROLS
  - . LIQUID FUELS
  - . LIQUID PHASES
  - . LIQUID ROCKET PROPELLANTS
  - . NONPOINT SOURCES
  - . PHASE DIAGRAMS
  - . VAPOR PHASES
  - . WATER

### LIQUIDUS

- RT CRYSTALLIZATION
  - . LIQUID PHASES
  - . MELTING POINTS
  - . PHASE DIAGRAMS
  - . SOLID PHASES
  - . SOLID SOLUTIONS
  - . SOLIDUS

### LIRTS (TELESCOPE)

- UF LARGE INFRARED TELESCOPE ON
  - . SPACELAB
- GS TELESCOPES
  - . SPACEBORNE TELESCOPES
  - . . . **LIRTS (TELESCOPE)**
- RT EUROPEAN SPACE AGENCY
  - . PAYLOADS
  - . SPACE SHUTTLES
  - . SPACELAB

### LISP (PROGRAMMING LANGUAGE)

- GS LANGUAGES
  - . PROGRAMMING LANGUAGES
  - . . . **LISP (PROGRAMMING LANGUAGE)**
- RT COMPUTER PROGRAMMING
  - . RECURSIVE FUNCTIONS

### LISSAJOUS FIGURES

- RT ECCENTRIC ORBITS
  - . EQUATIONS OF MOTION
  - . LIBRATION
  - . LUNAR ORBITS
  - . SATELLITE ORBITS

### LISTS

- GS **LISTS**
  - . HARDWARE UTILIZATION LISTS
- RT ∞ CATALOGS
  - . DISPLAY DEVICES
  - . ENUMERATION
  - . INDEXES (DOCUMENTATION)
  - . PRINTOUTS

### LITERATURE

- GS **LITERATURE**
  - . BIOGRAPHY
  - . DOCUMENTATION
- RT BIBLIOGRAPHIES
  - . DOCUMENTS
  - . INDEXES (DOCUMENTATION)
  - . KNOWLEDGE
  - . LIBRARIES
  - . PAPERS
  - . PHILOSOPHY

### LITHERGOL ROCKET ENGINES

- GS ENGINES
  - . ROCKET ENGINES
  - . . . HYBRID PROPELLANT ROCKET ENGINES
  - . . . **LITHERGOL ROCKET ENGINES**

### LITHERGOLIC PROPELLANTS

- USE HYBRID PROPELLANTS

### LITHIASIS

- GS DISEASES
  - . **LITHIASIS**
- RT CALCULI
  - . DENTAL CALCULI

### LITHIUM

- GS CHEMICAL ELEMENTS
  - . ALKALI METALS
  - . . . **LITHIUM**
  - . . . LIQUID LITHIUM
  - . . . LITHIUM ISOTOPES
  - . METALS

### LITHIUM-(CONT.)

- . ALKALI METALS
- . . . **LITHIUM**
- . . . LIQUID LITHIUM
- . . . LITHIUM ISOTOPES

### LITHIUM ALLOYS

- GS ALLOYS
  - . **LITHIUM ALLOYS**
- RT AIRCRAFT CONSTRUCTION MATERIALS
  - . ALUMINUM ALLOYS
  - . COPPER ALLOYS
  - . MAGNESIUM ALLOYS
  - . ZIRCONIUM ALLOYS

### LITHIUM ALUMINUM HYDRIDES

- GS ALUMINUM COMPOUNDS
  - . **LITHIUM ALUMINUM HYDRIDES**
- HYDROGEN COMPOUNDS
  - . HYDRIDES
  - . . . METAL HYDRIDES
  - . . . LITHIUM HYDRIDES
  - . . . **LITHIUM ALUMINUM HYDRIDES**
- LITHIUM COMPOUNDS
  - . LITHIUM HYDRIDES
  - . . . **LITHIUM ALUMINUM HYDRIDES**
- RT POWDERED ALUMINUM

### LITHIUM BORATES

- GS BORON COMPOUNDS
  - . BORATES
  - . . . **LITHIUM BORATES**
- LITHIUM COMPOUNDS
  - . **LITHIUM BORATES**

### LITHIUM CHLORIDES

- GS HALOGEN COMPOUNDS
  - . CHLORINE COMPOUNDS
  - . . . CHLORIDES
  - . . . **LITHIUM CHLORIDES**
- HALIDES
  - . . . CHLORIDES
  - . . . **LITHIUM CHLORIDES**
- . . . METAL HALIDES
- . . . **LITHIUM CHLORIDES**
- LITHIUM COMPOUNDS
  - . **LITHIUM CHLORIDES**

### LITHIUM COMPOUNDS

- GS **LITHIUM COMPOUNDS**
  - . LITHIUM BORATES
  - . LITHIUM CHLORIDES
  - . LITHIUM FLUORIDES
  - . LITHIUM HYDRIDES
  - . . . LITHIUM ALUMINUM HYDRIDES
  - . LITHIUM HYDROXIDES
  - . LITHIUM IODATES
  - . LITHIUM NIOBATES
  - . LITHIUM OXIDES
  - . LITHIUM PERCHLORATES
  - . LITHIUM SULFATES
  - . ORGANIC LITHIUM COMPOUNDS
  - . SPODUMENE
- RT ∞ ALKALI METAL COMPOUNDS
- ∞ CHEMICAL COMPOUNDS
- ∞ METAL COMPOUNDS
  - . METAL FUELS

### LITHIUM COOLED REACTOR EXPERIMENT

- UF LCRC REACTOR
- GS NUCLEAR REACTORS
  - . LIQUID COOLED REACTORS
  - . . . LIQUID METAL COOLED REACTORS
  - . . . **LITHIUM COOLED REACTOR EXPERIMENT**

### LITHIUM FLUORIDES

- GS HALOGEN COMPOUNDS
  - . FLUORINE COMPOUNDS
  - . . . FLUORIDES
  - . . . METAL FLUORIDES
  - . . . **LITHIUM FLUORIDES**
- LITHIUM COMPOUNDS
  - . **LITHIUM FLUORIDES**

### LITHIUM HYDRIDES

- GS HYDROGEN COMPOUNDS
  - . HYDRIDES
  - . . . METAL HYDRIDES
  - . . . **LITHIUM HYDRIDES**
  - . . . LITHIUM ALUMINUM HYDRIDES
- LITHIUM COMPOUNDS
  - . **LITHIUM HYDRIDES**
  - . . . LITHIUM ALUMINUM HYDRIDES

## LOADING OPERATIONS

### LITHIUM HYDROXIDES

- GS BASES (CHEMICAL)
  - . ALKALIES
  - . LITHIUM HYDROXIDES
- HYDROXIDES
- . LITHIUM HYDROXIDES
- LITHIUM COMPOUNDS
- . LITHIUM HYDROXIDES

### LITHIUM IODATES

- GS HALOGEN COMPOUNDS
  - . IODINE COMPOUNDS
  - . IODATES
  - . LITHIUM IODATES
- LITHIUM COMPOUNDS
- . LITHIUM IODATES
- RT ∞ METAL COMPOUNDS

### LITHIUM ISOTOPES

- UF LITHIUM 4
- LITHIUM 6
- GS CHEMICAL ELEMENTS
  - . ALKALI METALS
  - . LITHIUM
  - . LITHIUM ISOTOPES
  - . NUCLIDES
  - . ISOTOPES
  - . LITHIUM ISOTOPES
- METALS
- . ALKALI METALS
- . LITHIUM
- . LITHIUM ISOTOPES

### LITHIUM NIOBATES

- GS LITHIUM COMPOUNDS
  - . LITHIUM NIOBATES
- NIOBIUM COMPOUNDS
- . NIOBATES
- . LITHIUM NIOBATES

### LITHIUM OXIDES

- GS CHALCOGENIDES
  - . OXIDES
  - . METAL OXIDES
  - . LITHIUM OXIDES
- LITHIUM COMPOUNDS
- . LITHIUM OXIDES

### LITHIUM PERCHLORATES

- GS HALOGEN COMPOUNDS
  - . CHLORINE COMPOUNDS
  - . PERCHLORATES
  - . LITHIUM PERCHLORATES
- LITHIUM COMPOUNDS
- . LITHIUM PERCHLORATES

### LITHIUM SULFATES

- GS LITHIUM COMPOUNDS
  - . LITHIUM SULFATES
- SULFUR COMPOUNDS
- . SULFATES
- . LITHIUM SULFATES

### LITHIUM SULFUR BATTERIES

- GS ELECTROCHEMICAL CELLS
  - . ELECTRIC BATTERIES
  - . LITHIUM SULFUR BATTERIES
- RT ∞ CELLS
- ∞ ELECTRIC CELLS
- ∞ ENERGY SOURCES
- ∞ POWER SUPPLIES

### LITHIUM 4

- USE LITHIUM ISOTOPES

### LITHIUM 6

- USE LITHIUM ISOTOPES

### LITHOGRAPHY

- GS PRINTING
  - . LITHOGRAPHY
- . PHOTOLITHOGRAPHY
- RT PHOTOMECHANICAL EFFECT
- REPRODUCTION (COPYING)

### LITHOLOGY

- GS GEOLOGY
  - . LITHOLOGY
- RT REGOLITH
- ROCKS

### LITHOSPHERE

- GS LITHOSPHERE
  - . EARTH CORE

### LITHOSPHERE-(CONT.)

- . EARTH CRUST
- . EARTH MANTLE
- . EARTH SURFACE
- RT EARTH PLANETARY STRUCTURE
- PLANETARY MANTLES
- PLATES (TECTONICS)
- SUBDUCTION (GEOLOGY)

### LITHUANIA

- RT EUROPE
- NATIONS

### LITTLE JOE 2 LAUNCH VEHICLE

- GS LAUNCH VEHICLES
  - . LITTLE JOE 2 LAUNCH VEHICLE
- ROCKET VEHICLES
- . MULTISTAGE ROCKET VEHICLES
- . LITTLE JOE 2 LAUNCH VEHICLE
- RT ALGOL ENGINE
- MERCURY PROJECT
- SERGEANT MISSILES
- SOLID PROPELLANT ROCKET ENGINES
- TX-354 ENGINE
- XM-33 ENGINE

### LITTLE JOHN ROCKET VEHICLE

- GS ROCKET VEHICLES
  - . SINGLE STAGE ROCKET VEHICLES
  - . LITTLE JOHN ROCKET VEHICLE
- SURFACE TO SURFACE ROCKETS
- . LITTLE JOHN ROCKET VEHICLE
- RT HERCULES ENGINE
- SOLID PROPELLANT ROCKET ENGINES

### LITTORAL CURRENTS

- USE COASTAL CURRENTS

### LITTORAL DRIFT

- RT BARS (LANDFORMS)
- BEACHES
- BREAKWATERS
- COASTS
- OCEAN CURRENTS
- SANDS
- SEDIMENTS

### LITTORAL TRANSPORT

- RT BREAKWATERS
- OCEAN CURRENTS
- SANDS
- WATER WAVES
- ∞ WAVES

### LIVER

- GS ANATOMY
- . LIVER
- RT GASTROINTESTINAL SYSTEM
- GLANDS (ANATOMY)
- HEPATITIS
- TYROSINE

### LIVERMORE POOL TYPE REACTOR

- UF LPTR REACTOR
- GS NUCLEAR REACTORS
- . NUCLEAR RESEARCH AND TEST
- REACTORS
- . LIVERMORE POOL TYPE REACTOR

### LIVERWORTS

- USE BRYOPHYTES

### LIVESTOCK

- GS ANIMALS
  - . LIVESTOCK
- RT CALVES
- CATTLE
- DEER
- GOATS
- HORSES
- RANGELANDS
- SHEEP
- SWINE
- TURKEYS

### LIXISCOPES

- UF LOW INTENSITY X RAY IMAGING
- SCOPES
- GS MEDICAL EQUIPMENT
- . X RAY APPARATUS
- . LIXISCOPES
- RT PORTABLE EQUIPMENT
- RADIOGRAPHY
- X RAY ASTRONOMY

### LIXISCOPES-(CONT.)

- X RAY IMAGERY

### LIZARDS

- GS ANIMALS
  - . VERTEBRATES
  - . REPTILES
  - . LIZARDS

### LLANOS ORIENTALES (COLOMBIA)

- GS LAND
  - . GRASSLANDS
  - . LLANOS ORIENTALES (COLOMBIA)
  - . PLAINS
  - . LLANOS ORIENTALES (COLOMBIA)
- RT COLOMBIA

### LMCR (REACTORS)

- USE LIQUID METAL COOLED REACTORS

### LMFBR

- USE LIQUID METAL FAST BREEDER
- REACTORS

### LNG

- USE LIQUEFIED NATURAL GAS

### LOAD DISTRIBUTION (FORCES)

- GS DISTRIBUTION (PROPERTY)
- . LOAD DISTRIBUTION (FORCES)
- RT ∞ DISTRIBUTION

### LOAD FACTORS

- USE LOADS (FORCES)

### LOAD TESTING MACHINES

- RT ∞ MACHINERY
- ∞ TEST EQUIPMENT

### LOAD TESTS

- RT COMPRESSION TESTS
- CREEP TESTS
- DESTRUCTIVE TESTS
- FATIGUE TESTS
- IMPACT TESTS
- LOADING RATE
- NONDESTRUCTIVE TESTS
- SHOCK TESTS
- SPECIMEN GEOMETRY
- SPIN TESTS
- STATIC TESTS
- TENSILE TESTS
- ∞ TESTS

### ∞ LOADING

- SN (USE OF A MORE SPECIFIC TERM IS
- RECOMMENDED--CONSULT THE TERMS
- LISTED BELOW)
- UF DUMMY LOADS
- RT FEEDING (SUPPLYING)
- FILLING
- INPUT
- LOADING OPERATIONS
- LOADS (FORCES)
- PAYLOADS
- REFILLING
- REPLENISHMENT
- SHAFTS (MACHINE ELEMENTS)
- SWEEP EFFECT

### LOADING FORCES

- USE LOADS (FORCES)

### LOADING MOMENTS

- GS MOMENTS
  - . LOADING MOMENTS
- RT AERODYNAMIC LOADS
- BENDING MOMENTS
- FLEXING
- LOADS (FORCES)
- MASS DISTRIBUTION
- MOMENT DISTRIBUTION
- PRESSURE DISTRIBUTION
- STATIC LOADS
- STRUCTURAL ANALYSIS
- TORQUE

### LOADING OPERATIONS

- RT FEEDERS
- ∞ LOADING
- MATERIALS HANDLING
- ∞ OPERATIONS
- UNLOADING

## LOADING RATE

### LOADING RATE

GS RATES (PER TIME)  
 . **LOADING RATE**  
 RT IMPACT LOADS  
 LOAD TESTS  
 LOADS (FORCES)  
 STRAIN RATE  
 VELOCITY

### LOADING WAVES

USE ELASTIC WAVES  
 LOADS (FORCES)

### LOADS (FORCES)

UF LOAD FACTORS  
 LOADING FORCES  
 LOADING WAVES  
 GS **LOADS (FORCES)**  
 . AXIAL LOADS  
 . . AXIAL COMPRESSION LOADS  
 . . COMPRESSION LOADS  
 . . AXIAL COMPRESSION LOADS  
 . . IMPACT LOADS  
 . . CRITICAL LOADING  
 . . DYNAMIC LOADS  
 . . AERODYNAMIC LOADS  
 . . . BLAST LOADS  
 . . . GUST LOADS  
 . . . CONTACT LOADS  
 . . . ROLLING CONTACT LOADS  
 . . CYCLIC LOADS  
 . . THRUST LOADS  
 . . TRANSIENT LOADS  
 . . . GUST LOADS  
 . . . IMPACT LOADS  
 . . . LANDING LOADS  
 . . . SHOCK LOADS  
 . . . BLAST LOADS  
 . . VIBRATORY LOADS  
 . . WING LOADING  
 . . EDGE LOADING  
 . . RANDOM LOADS  
 . . GUST LOADS  
 . . STATIC LOADS  
 RT BALLAST (MASS)  
 ∞ EQUILIBRIUM  
 ∞ FORCE  
 FORCE DISTRIBUTION  
 HUGONIOT EQUATION OF STATE  
 ∞ LOADING  
 LOADING MOMENTS  
 LOADING RATE  
 MASS DISTRIBUTION  
 ∞ MECHANICS (PHYSICS)  
 MOMENT DISTRIBUTION  
 PAYLOADS  
 PLANE STRESS  
 PRESSURE  
 PRESSURE DISTRIBUTION  
 PRESSURE EFFECTS  
 SHAFTS (MACHINE ELEMENTS)  
 SHEARING  
 STRESS CONCENTRATION  
 STRESS INTENSITY FACTORS  
 STRESSES  
 STRUCTURAL DESIGN CRITERIA  
 WEIGHT (MASS)  
 WIND PRESSURE

### LOBES

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT ANTENNA DESIGN  
 ANTENNA RADIATION PATTERNS  
 BACKLOBES  
 SIDELOBES

### LOCAL AREA NETWORKS

UF LAN (COMPUTER NETWORKS)  
 GS COMMUNICATION NETWORKS  
 . **LOCAL AREA NETWORKS**  
 COMPUTER NETWORKS  
 . **LOCAL AREA NETWORKS**  
 RT ARCHITECTURE (COMPUTERS)  
 DATA TRANSMISSION  
 INTERPROCESSOR COMMUNICATION  
 NETWORK CONTROL  
 PROTOCOL (COMPUTERS)

### LOCAL GROUP (ASTRONOMY)

GS CELESTIAL BODIES  
 . GALAXIES  
 . . GALACTIC CLUSTERS  
 . . . **LOCAL GROUP (ASTRONOMY)**

### LOCAL GROUP (ASTRONOMY)-(CONT.)

. . . . ANDROMEDA GALAXY  
 RT BARRED GALAXIES  
 COSMOLOGY  
 DISK GALAXIES  
 DWARF GALAXIES  
 ELLIPTICAL GALAXIES  
 SOLAR NEIGHBORHOOD  
 SPIRAL GALAXIES  
 VIRGO GALACTIC CLUSTER

### LOCAL SCIENTIFIC SURVEY MODULE

GS MODULES  
 . **LOCAL SCIENTIFIC SURVEY MODULE**  
 RT INSTRUMENT PACKAGES  
 LUNAR EXPLORATION  
 MEASURING INSTRUMENTS

### LOCALIZATION

USE POSITION (LOCATION)

### LOCATES SYSTEM

UF LOCATION OF AIR TRAFFIC SATELLITES  
 RT AIR TRAFFIC CONTROL  
 BEACON SATELLITES  
 NAVIGATION SATELLITES  
 SATELLITE GUIDANCE  
 ∞ SYSTEMS

### LOCATION

USE POSITION (LOCATION)

### LOCATION OF AIR TRAFFIC SATELLITES

USE LOCATES SYSTEM

### LOCI

GS GEOMETRY  
 . EUCLIDEAN GEOMETRY  
 . . ANALYTIC GEOMETRY  
 . . . **LOCI**  
 RT ∞ CENTERS  
 CONICS  
 FOCI  
 LINE OF SIGHT  
 POINTS (MATHEMATICS)  
 RESOLUTION

### LOCKHEED AIRCRAFT

GS **LOCKHEED AIRCRAFT**  
 . C-5 AIRCRAFT  
 . C-121 AIRCRAFT  
 . C-130 AIRCRAFT  
 . C-140 AIRCRAFT  
 . C-141 AIRCRAFT  
 . CL-823 AIRCRAFT  
 . EC-121 AIRCRAFT  
 . ELECTRA AIRCRAFT  
 . F-94 AIRCRAFT  
 . F-104 AIRCRAFT  
 . L-1011 AIRCRAFT  
 . L-2000 AIRCRAFT  
 . LOCKHEED MODEL 18 AIRCRAFT  
 . P-3 AIRCRAFT  
 . T-33 AIRCRAFT  
 . U-2 AIRCRAFT  
 . XH-51 HELICOPTER  
 . XV-4 AIRCRAFT  
 RT ∞ AIRCRAFT

### LOCKHEED C-5 AIRCRAFT

USE C-5 AIRCRAFT

### LOCKHEED CL-595 HELICOPTER

USE XH-51 HELICOPTER

### LOCKHEED CL-823 AIRCRAFT

USE CL-823 AIRCRAFT

### LOCKHEED CONSTELLATION AIRCRAFT

USE C-121 AIRCRAFT

### LOCKHEED L-2000 AIRCRAFT

USE L-2000 AIRCRAFT

### LOCKHEED MODEL 18 AIRCRAFT

GS LOCKHEED AIRCRAFT  
 . **LOCKHEED MODEL 18 AIRCRAFT**  
 MONOPLANES  
 . **LOCKHEED MODEL 18 AIRCRAFT**  
 TRANSPORT AIRCRAFT  
 . **LOCKHEED MODEL 18 AIRCRAFT**  
 RT ∞ AIRCRAFT

### LOCKHEED U-2 AIRCRAFT

USE U-2 AIRCRAFT

### LOCKHEED XV-4A AIRCRAFT

USE XV-4 AIRCRAFT

### LOCKHEED 186 HELICOPTER

USE XH-51 HELICOPTER

### LOCKING

UF INTERLOCKING  
 GS **LOCKING**  
 . LASER MODE LOCKING  
 RT FASTENERS  
 ∞ JOINING  
 LOCKS (FASTENERS)  
 RETAINING

### LOCKS

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT AIR LOCKS  
 LOCKS (FASTENERS)

### LOCKS (FASTENERS)

GS FASTENERS  
 . **LOCKS (FASTENERS)**  
 RT LOCKING  
 ∞ LOCKS

### LOCOMOTION

UF MOTILITY  
 GS **LOCOMOTION**  
 . ASTRONAUT LOCOMOTION  
 . WALKING  
 RT EXERCISE PHYSIOLOGY  
 NAVIGATION  
 PHYSIOLOGY  
 PROPULSION  
 WHEELCHAIRS

### LOCOMOTIVES

RT DIESEL ENGINES  
 HANDLING EQUIPMENT  
 RAIL TRANSPORTATION  
 WINDSHIELDS

### LOCUSTS

GS ANIMALS  
 . INVERTEBRATES  
 . . ARTHROPODS  
 . . . INSECTS  
 . . . . **LOCUSTS**  
 RT FARM CROPS  
 FOLIAGE  
 INFESTATION  
 VEGETATION

### LOFAR

RT SONAR  
 UNDERWATER ACOUSTICS

### LOFTI SATELLITES

USE LOW FREQUENCY TRANSIONOSPHERIC SATELLITES

### LOFTING

RT AIRCRAFT DESIGN  
 ASCENT TRAJECTORIES  
 COMPUTER AIDED DESIGN  
 DIFFERENTIAL GEOMETRY  
 ENGINEERING DRAWINGS  
 MATHEMATICAL MODELS  
 SPACECRAFT DESIGN  
 STRUCTURAL DESIGN  
 ∞ SURFACE GEOMETRY  
 TEMPLATES

### LOG PERIODIC ANTENNAS

GS ANTENNAS  
 . DIRECTIONAL ANTENNAS  
 . . **LOG PERIODIC ANTENNAS**  
 RT ANTENNA ARRAYS  
 ANTENNA DESIGN  
 BROADBAND  
 DIPOLE ANTENNAS  
 ∞ FREQUENCY RESPONSE

### LOG SPIRAL ANTENNAS

GS ANTENNAS  
 . SPIRAL ANTENNAS  
 . . **LOG SPIRAL ANTENNAS**  
 RT DIPOLE ANTENNAS

## LONGERONS

### LOGARITHMIC RECEIVERS

- GS RECEIVERS
- RT **LOGARITHMIC RECEIVERS**
- COMMUNICATION EQUIPMENT
- ∞ FREQUENCY RESPONSE
- INTERMEDIATE FREQUENCY AMPLIFIERS
- TRANSFER FUNCTIONS

### LOGARITHMS

- GS ANALYSIS (MATHEMATICS)
- COMPLEX VARIABLES
- EXPONENTIAL FUNCTIONS
- LOGARITHMS
- FUNCTIONS (MATHEMATICS)
- TRANSCENDENTAL FUNCTIONS
- EXPONENTIAL FUNCTIONS
- LOGARITHMS
- RT EXPONENTS

### LOGGING (INDUSTRY)

- RT FORESTS
- TREES (PLANTS)

### LOGIC

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT ARTIFICIAL INTELLIGENCE
- AXIOMS
- BOOLEAN ALGEBRA
- BRANCHING (MATHEMATICS)
- COMPLEMENTS (MATHEMATICS)
- EXPERT SYSTEMS
- FLUID LOGIC
- FLUIDICS
- FORMALISM
- INFORMATION THEORY
- LOGIC CIRCUITS
- LOGIC DESIGN
- MATHEMATICAL LOGIC
- PARADOXES
- PHILOSOPHY
- ∞ PRINCIPLES
- THRESHOLD LOGIC
- TRANSISTOR LOGIC

### LOGIC CIRCUITS

- UF DIGITAL CIRCUITS
- LOGIC NETWORKS
- GS CIRCUITS
- DIGITAL ELECTRONICS
- LOGIC CIRCUITS
- THRESHOLD GATES
- RT ADDING CIRCUITS
- ARCHITECTURE (COMPUTERS)
- CENTRAL PROCESSING UNITS
- COMPUTERS
- COUNTING CIRCUITS
- DECISIONS
- DIGITAL COMPUTERS
- FLUID LOGIC
- GATES (CIRCUITS)
- ∞ LOGIC
- LOGICAL ELEMENTS
- MATRICES (CIRCUITS)
- MULTIPLIERS
- MULTIVIBRATORS
- NEURAL NETS
- ∞ RELAY
- SWITCHING CIRCUITS
- THRESHOLD LOGIC
- TRANSISTOR CIRCUITS
- TRANSISTOR LOGIC

### LOGIC DESIGN

- RT AMPLIFIER DESIGN
- ARCHITECTURE (COMPUTERS)
- COMPUTER AIDED DESIGN
- COMPUTER DESIGN
- COMPUTER PROGRAMMING
- ∞ DESIGN
- DESIGN ANALYSIS
- ∞ LOGIC
- LOGIC PROGRAMMING
- LOGICAL ELEMENTS
- SWITCHING THEORY
- TRANSISTOR LOGIC

### LOGIC NETWORKS

- USE LOGIC CIRCUITS

### LOGIC PROGRAMMING

- GS SOFTWARE ENGINEERING
- COMPUTER PROGRAMMING
- LOGIC PROGRAMMING

### LOGIC PROGRAMMING-(CONT.)

- RT ARTIFICIAL INTELLIGENCE
- EXPERT SYSTEMS
- LOGIC DESIGN

### LOGICAL ELEMENTS

- UF DECISION ELEMENTS
- RT COMPUTER COMPONENTS
- DIGITAL ELECTRONICS
- ∞ ELEMENTS
- GATES (CIRCUITS)
- LOGIC CIRCUITS
- LOGIC DESIGN

### LOGISTICS

- GS **LOGISTICS**
- LUNAR LOGISTICS
- SPACE LOGISTICS
- RT AIRCRAFT MAINTENANCE
- ARMY-NAVY INSTRUMENTATION
- PROGRAM
- COMMAND AND CONTROL
- CRANES
- DEPLOYMENT
- DOWNTIME
- ∞ ELECTRIC EQUIPMENT
- ENERGY POLICY
- ∞ FACILITIES
- INVENTORY MANAGEMENT
- MAINTENANCE
- MATRIX MANAGEMENT
- PORTABLE EQUIPMENT
- RAPID TRANSIT SYSTEMS
- RESOURCE ALLOCATION
- RESOURCES
- SERVICES
- SHIPYARDS
- SITE SELECTION
- STOCKPILING
- ∞ STORAGE
- STOWAGE (ONBOARD EQUIPMENT)
- TRANSPORTATION
- ∞ TRAVEL
- UTILITIES

### LOGISTICS MANAGEMENT

- GS MANAGEMENT
- LOGISTICS MANAGEMENT
- INVENTORY MANAGEMENT
- INVENTORY CONTROLS
- RT ∞ FACILITIES
- MAINTENANCE
- RESOURCES
- SERVICES
- SPARE PARTS
- ∞ STORAGE

### LOGISTICS OVER THE SHORE (LOTS) CARRIER

- RT MILITARY TECHNOLOGY

### LOH HELICOPTER

- USE OH-6 HELICOPTER

### LOKI ROCKET VEHICLE

- GS ROCKET VEHICLES
- SINGLE STAGE ROCKET VEHICLES
- LOKI ROCKET VEHICLE
- SOUNDING ROCKETS
- LOKI ROCKET VEHICLE
- RT SOLID PROPELLANT ROCKET ENGINES
- WASP SOUNDING ROCKET

### LOLA (SIMULATOR)

- USE LUNAR ORBIT AND LANDING
- SIMULATORS

### LOMONOSOV CURRENT

- GS CIRCULATION
- WATER CIRCULATION
- WATER CURRENTS
- OCEAN CURRENTS
- LOMONOSOV CURRENT
- RT ATLANTIC OCEAN
- GULF STREAM
- TROPICAL REGIONS

### LONG DURATION EXPOSURE FACILITY

- UF LDEF
- GS ARTIFICIAL SATELLITES
- SCIENTIFIC SATELLITES
- LONG DURATION EXPOSURE
- FACILITY
- LABORATORIES
- SPACE LABORATORIES

### LONG DURATION EXPOSURE FACILITY-(CONT.)

- LONG DURATION EXPOSURE
- FACILITY
- SPACE PLATFORMS
- LONG DURATION EXPOSURE FACILITY
- RT SPACEBORNE EXPERIMENTS

### LONG DURATION SPACE FLIGHT

- UF EXTENDED DURATION SPACE FLIGHT
- GS SPACE FLIGHT
- LONG DURATION SPACE FLIGHT
- RT DEEP SPACE
- EXTRATERRESTRIAL ENVIRONMENTS
- ∞ FLIGHT
- FLYBY MISSIONS
- INTERPLANETARY FLIGHT
- INTERSTELLAR TRAVEL
- MANNED MARS MISSIONS
- MANNED SPACE FLIGHT
- ∞ MISSIONS
- PLANETARY ENVIRONMENTS
- SPACE ADAPTATION SYNDROME

### LONG ISLAND (NY)

- GS LANDFORMS
- ISLANDS
- LONG ISLAND (NY)
- RT ATLANTIC OCEAN
- NEW YORK

### LONG PERIOD VARIABLES

- USE MIRA VARIABLES

### LONG RANGE NAVIGATION

- USE LORAN
- LORAN D

### LONG RANGE WEATHER FORECASTING

- GS FORECASTING
- WEATHER FORECASTING
- LONG RANGE WEATHER
- FORECASTING
- METEOROLOGY
- WEATHER FORECASTING
- LONG RANGE WEATHER
- FORECASTING
- RT NUMERICAL WEATHER FORECASTING
- STATISTICAL WEATHER FORECASTING

### LONG TERM EFFECTS

- UF SECULAR PERTURBATION
- RT CELESTIAL MECHANICS
- CLIMATE
- CLOSED ECOLOGICAL SYSTEMS
- CYCLES
- DURABILITY
- ∞ EFFECTS
- LIFE (DURABILITY)
- LIFE SUPPORT SYSTEMS
- ORBIT PERTURBATION
- ∞ PERFORMANCE
- PERIODIC VARIATIONS
- PERTURBATION
- STORAGE STABILITY
- TIME TEMPERATURE PARAMETER
- WEATHER

### LONG TERM ZONAL EARTH ENERGY EXPERIMENT

- USE LZEEBE SATELLITE

### LONG WAVE RADIATION

- GS ELECTROMAGNETIC RADIATION
- RADIO WAVES
- LONG WAVE RADIATION
- RT FAR INFRARED RADIATION
- MONOCHROMATIC RADIATION
- ∞ RADIATION
- SHORT WAVE RADIATION
- SOLAR RADIATION

### LONG WAVES (METEOROLOGY)

- USE PLANETARY WAVES

### LONGERONS

- UF ASTROMASTS
- GS STRUCTURAL MEMBERS
- LONGERONS
- RT KEELS
- REINFORCEMENT (STRUCTURES)
- RIBS (SUPPORTS)
- STRAKES
- STRINGERS
- STRUCTURAL STABILITY



## LONGEVITY

### ∞ LONGEVITY

- SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED—CONSULT THE TERMS  
LISTED BELOW)
- RT LIFE (DURABILITY)  
LIFE SPAN

### LONGITUDE

- GS LONGITUDE
  - . SOLAR LONGITUDE
- RT COORDINATES  
GEODETIC COORDINATES  
LATITUDE  
POSITION (LOCATION)

### LONGITUDE MEASUREMENT

- RT LATITUDE MEASUREMENT
- ∞ MEASUREMENT  
NAVIGATION  
POSITIONING

### LONGITUDINAL CONTROL

- UF PITCH ATTITUDE CONTROL
- GS ATTITUDE CONTROL
  - . LONGITUDINAL CONTROL
- RT AIRCRAFT CONTROL  
ALTITUDE CONTROL  
AUTOMATIC CONTROL
- ∞ CONTROL
  - . DIRECTIONAL CONTROL
  - . HELICOPTER CONTROL
  - . LATERAL CONTROL
  - . MANUAL CONTROL
  - . MISSILE CONTROL
  - . PILOT INDUCED OSCILLATION
  - . PITCH (INCLINATION)
  - . SATELLITE ATTITUDE CONTROL
  - . SATELLITE CONTROL

### LONGITUDINAL STABILITY

- GS DYNAMIC CHARACTERISTICS
  - . DYNAMIC STABILITY
  - . . . MOTION STABILITY
  - . . . ATTITUDE STABILITY
  - . . . . LONGITUDINAL STABILITY
- STABILITY
  - . DYNAMIC STABILITY
  - . . MOTION STABILITY
  - . . . ATTITUDE STABILITY
  - . . . . LONGITUDINAL STABILITY
- RT AERODYNAMIC STABILITY  
AIRCRAFT STABILITY  
DIRECTIONAL STABILITY  
FLOW STABILITY  
HOVERING STABILITY  
LATERAL STABILITY  
PITCH (INCLINATION)  
PITCHING MOMENTS  
POGO EFFECTS  
ROTARY STABILITY  
SPACECRAFT STABILITY

### LONGITUDINAL WAVES

- GS LONGITUDINAL WAVES
  - . PLANE WAVES
- RT BEAMS (RADIATION)  
DILATATIONAL WAVES  
ELASTIC WAVES  
ELECTROSTATIC WAVES  
FREQUENCIES  
NORMAL SHOCK WAVES
- ∞ RADIATION
  - . SEISMIC WAVES
  - . SHOCK WAVES
  - . SOLAR RADIATION
  - . SOUND WAVES
  - . TRANSVERSE WAVES
  - . WAVE PACKETS
  - . WAVELENGTHS
- ∞ WAVES

### LONGSHORE CURRENTS

- USE COASTAL CURRENTS

### LOOK ANGLES (ELECTRONICS)

- GS GEOMETRY
  - . EUCLIDEAN GEOMETRY
  - . . ANGLES (GEOMETRY)
  - . . . LOOK ANGLES (ELECTRONICS)
- RT ALIGNMENT  
DIRECTIVITY  
INSTALLING  
INSTRUMENT ORIENTATION  
OPTICAL EQUIPMENT  
POSITIONING

### LOOK ANGLES (ELECTRONICS)-(CONT.)

RADAR EQUIPMENT

### LOOK ANGLES (TRACKING)

- GS GEOMETRY
  - . EUCLIDEAN GEOMETRY
  - . . ANGLES (GEOMETRY)
  - . . . LOOK ANGLES (TRACKING)
- RT AZIMUTH  
ELEVATION ANGLE  
FIELD OF VIEW

### LOOP ANTENNAS

- GS ANTENNAS
  - . DIRECTIONAL ANTENNAS
  - . . LOOP ANTENNAS
- RT AIRCRAFT ANTENNAS  
LOOPS  
MONOPOLE ANTENNAS

### LOOPS

- GS LOOPS
  - . CORROSION TEST LOOPS
- RT CIRCUITS  
CLOSED CYCLES  
LOOP ANTENNAS  
TORUSES  
TRUSSES

### LOR (RENDEZVOUS)

- USE LUNAR ORBITAL RENDEZVOUS

### LORAC NAVIGATION SYSTEM

- GS NAVIGATION
  - . RADIO NAVIGATION
  - . . HYPERBOLIC NAVIGATION
  - . . . LORAC NAVIGATION SYSTEM
- RT DISTANCE MEASURING EQUIPMENT  
NAVIGATION AIDS  
NAVIGATION INSTRUMENTS  
SURFACE NAVIGATION
- ∞ SYSTEMS

### LORAN

- UF LONG RANGE NAVIGATION
- GS NAVIGATION
  - . RADIO NAVIGATION
  - . . HYPERBOLIC NAVIGATION
  - . . . LORAN
  - . . . . LORAN C
  - . . . . LORAN D
- RT AIR NAVIGATION  
DECCA NAVIGATION  
DISTANCE MEASURING EQUIPMENT  
NAVIGATION AIDS  
NAVIGATION INSTRUMENTS  
POLAR NAVIGATION  
SOLAR COMPASSES  
SURFACE NAVIGATION  
SURVEYS

### LORAN C

- GS NAVIGATION
  - . RADIO NAVIGATION
  - . . HYPERBOLIC NAVIGATION
  - . . . LORAN
  - . . . . LORAN C
- RT AIR NAVIGATION  
DECCA NAVIGATION  
NAVIGATION AIDS

### LORAN D

- UF LONG RANGE NAVIGATION
- GS NAVIGATION
  - . RADIO NAVIGATION
  - . . HYPERBOLIC NAVIGATION
  - . . . LORAN
  - . . . . LORAN D
- RT AIR NAVIGATION  
DECCA NAVIGATION  
NAVIGATION AIDS

### LORENTZ CONTRACTION

- UF FITZGERALD-LORENTZ CONTRACTION
- RT RELATIVITY

### LORENTZ FORCE

- RT CHARGED PARTICLES
- ∞ FORCE
  - . MAGNETIC FIELDS
  - . PONDEROMOTIVE FORCES

### LORENTZ GAS

- GS GASES

### LORENTZ GAS-(CONT.)

- . IONIZED GASES
- . . LORENTZ GAS
- . . . PARTICLES
- . . . CHARGED PARTICLES
- . . . IONIZED GASES
- . . . . LORENTZ GAS
- RT GAS DYNAMICS  
KINETIC THEORY

### LORENTZ TRANSFORMATIONS

- GS FUNCTIONS (MATHEMATICS)
  - . LORENTZ TRANSFORMATIONS
- RT DIRAC EQUATION  
INVARIANCE  
MANDELSTAM REPRESENTATION

### LORV

- USE LOW OBSERVABLE REENTRY VEHICLES

### LOS ALAMOS MOLTEN PLUTONIUM REACTOR

- GS NUCLEAR REACTORS
  - . LIQUID COOLED REACTORS
  - . . LIQUID METAL COOLED REACTORS
  - . . . LOS ALAMOS MOLTEN PLUTONIUM REACTOR
- . NUCLEAR RESEARCH AND TEST REACTORS
- . . . LOS ALAMOS MOLTEN PLUTONIUM REACTOR

### LOS ALAMOS TURRET REACTOR

- USE HIGH TEMPERATURE NUCLEAR REACTORS

### LOS ALAMOS WATER BOILER REACTOR

- GS NUCLEAR REACTORS
  - . LIQUID COOLED REACTORS
  - . . WATER COOLED REACTORS
  - . . . BOILING WATER REACTORS
  - . . . . LOS ALAMOS WATER BOILER REACTOR

### LOSS OF COOLANT

- UF COOLANT LOSS
- GS ACCIDENTS
  - . LOSS OF COOLANT
- RT COOLANTS  
LEAKAGE  
LOSSES  
NUCLEAR REACTORS  
REACTOR MATERIALS

### LOSSES

- RT AUDITORY DEFECTS  
COMMERCE  
DAMAGE  
DEPLETION  
EDDY CURRENTS  
ENERGY DISSIPATION  
IMPAIRMENT  
INSERTION LOSS  
LEAKAGE  
LEGAL LIABILITY  
LIABILITIES  
LOSS OF COOLANT  
OHMIC DISSIPATION  
PLASMA LOSS  
SEEPAGE  
TRANSMISSION LOSS  
WASTES  
WATER LOSS  
YIELD

### LOSSLESS EQUIPMENT

- RT LOSSLESS MATERIALS

### LOSSLESS MATERIALS

- GS DIELECTRICS
  - . LOSSLESS MATERIALS
- RT LOSSLESS EQUIPMENT
- ∞ MATERIALS

### LOSSY MEDIA

- RT ELECTROMAGNETIC WAVE  
TRANSMISSION  
IONOSPHERIC PROPAGATION  
TRANSMISSION LOSS  
WAVE PROPAGATION

### LOST WAX PROCESS

- USE INVESTMENT CASTING

# LOW PRESSURE

**LOTS CARGO SHIPS**  
USE CARGO SHIPS

**LOUDNESS**  
RT ACOUSTICS  
EFFECTIVE PERCEIVED NOISE LEVELS  
FLUX DENSITY  
HEARING  
∞ INTENSITY  
LEVEL (QUANTITY)  
NOISE (SOUND)  
NOISE MEASUREMENT  
NOISE REDUCTION  
POWER SPECTRA  
SOUND INTENSITY  
SOUND PRESSURE  
SOUND WAVES

**LOUDSPEAKERS**  
GS AUDIO EQUIPMENT  
LOUDSPEAKERS  
TRANSDUCERS  
SOUND TRANSDUCERS  
ELECTROACOUSTIC TRANSDUCERS  
RT MONAURAL SIGNALS  
RADIO RECEIVERS  
SOUND GENERATORS

**LOUISIANA**  
GS NATIONS  
UNITED STATES  
LOUISIANA  
RT ATCHAFALAYA RIVER BASIN (LA)  
GULF OF MEXICO  
LAKE PONTCHARTRAIN (LA)  
MISSISSIPPI DELTA (LA)

∞ **LOUNGES**  
SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
RT MOBILE LOUNGES  
ROOMS  
SEATS

**LOUVERS**  
RT APERTURES  
BAFFLES  
∞ DIFFUSERS  
∞ SCREENING  
SHADES  
SHIELDING  
∞ SHUTTERS  
SLOTS  
VENTS

**LOVE WAVES**  
GS ELASTIC WAVES  
SEISMIC WAVES  
LOVE WAVES  
RT SURFACE WAVES

**LOW ALLOY STEELS**  
USE HIGH STRENGTH STEELS

**LOW ALTITUDE**  
GS ALTITUDE  
LOW ALTITUDE  
RT ELEVATION  
LOWER ATMOSPHERE  
MIDALTITUDE  
NAP-OF-THE-EARTH NAVIGATION

**LOW ASPECT RATIO**  
GS RATIOS  
ASPECT RATIO  
LOW ASPECT RATIO

**LOW ASPECT RATIO WINGS**  
UF DIAMOND WINGS  
GS AIRFOILS  
WINGS  
LOW ASPECT RATIO WINGS  
DELTA WINGS  
TRAPEZOIDAL WINGS  
RT CRUCIFORM WINGS  
FIXED WINGS  
RIGID WINGS  
WING PLANFORMS

**LOW CARBON STEELS**  
GS ALLOYS  
IRON ALLOYS

**LOW CARBON STEELS-(CONT.)**  
STEELS  
CARBON STEELS  
LOW CARBON STEELS  
RT IRON

**LOW CONCENTRATIONS**  
GS COMPOSITION (PROPERTY)  
CONCENTRATION (COMPOSITION)  
LOW CONCENTRATIONS  
RT DILUTION

**LOW CONDUCTIVITY**  
RT ELECTRIC CURRENT  
ELECTRICAL RESISTIVITY  
TRANSCONDUCTANCE

**LOW COST**  
GS COSTS  
LOW COST  
RT ECONOMY

**LOW CURRENTS**  
GS ELECTRIC CURRENT  
LOW CURRENTS  
RT LOW VOLTAGE  
PLASMA CURRENTS

**LOW DENSITY FLOW**  
RT ∞ FLOW  
FLUID DYNAMICS  
MOLECULAR FLOW  
RAREFIED GAS DYNAMICS  
RAREFIED GASES

**LOW DENSITY GASES**  
USE RAREFIED GASES

**LOW DENSITY MATERIALS**  
RT ABSORBENTS  
ABSORBERS (MATERIALS)  
FOAMS  
GRANULAR MATERIALS  
HONEYCOMB CORES  
HONEYCOMB STRUCTURES  
LIGHT ELEMENTS  
∞ MATERIALS  
POLYURETHANE FOAM  
POROUS MATERIALS  
POROUS PLATES  
POWDER METALLURGY

**LOW DENSITY RESEARCH**  
GS RESEARCH  
LOW DENSITY RESEARCH  
RT BLOWDOWN WIND TUNNELS  
COLLISIONLESS PLASMAS  
COMPOSITE MATERIALS  
EPOXY MATRIX COMPOSITES  
NONUNIFORM PLASMAS  
PLASMAS (PHYSICS)  
RAREFIED GASES  
SHOCK TUBES  
SHOCK TUNNELS  
SHOCK WAVE LUMINESCENCE  
ULTRAHIGH VACUUM  
VACUUM APPARATUS

**LOW DENSITY WIND TUNNELS**  
GS TEST FACILITIES  
WIND TUNNELS  
LOW DENSITY WIND TUNNELS  
RT HYPERSONIC WIND TUNNELS  
HYPERVELOCITY WIND TUNNELS  
PLASMA JETS  
RAREFIED GAS DYNAMICS  
SHOCK TUBES  
SHOCK TUNNELS  
SLIP FLOW  
SUPersonic WIND TUNNELS

**LOW EARTH ORBITAL ENVIRONMENTS**  
USE EARTH ORBITAL ENVIRONMENTS

**LOW FREQUENCIES**  
SN (30 TO 300 KHZ)  
GS FREQUENCIES  
RADIO FREQUENCIES  
LOW FREQUENCIES  
VERY LOW FREQUENCIES  
RT EXTREMELY LOW FREQUENCIES  
INTERMEDIATE FREQUENCIES

**LOW FREQUENCY BANDS**  
GS FREQUENCIES  
RADIO FREQUENCIES  
LOW FREQUENCY BANDS  
VERY LOW FREQUENCIES  
RT ∞ BANDS  
HIGH FREQUENCIES  
ULTRAHIGH FREQUENCIES  
VERY HIGH FREQUENCIES

**LOW FREQUENCY TRANSIONOSPHERIC SATELLITES**  
UF LOFTI SATELLITES  
GS ARTIFICIAL SATELLITES  
COMMUNICATION SATELLITES  
LOW FREQUENCY TRANSIONOSPHERIC SATELLITES

**LOW GRAVITY**  
USE REDUCED GRAVITY

**LOW GRAVITY MANUFACTURING**  
GS MANUFACTURING  
LOW GRAVITY MANUFACTURING  
RT CONTAINERLESS MELTS  
DROP TOWERS  
FABRICATION  
LEVITATION MELTING  
MARANGONI CONVECTION  
METAL FOAMS  
∞ MICROGRAVITY APPLICATIONS  
REDUCED GRAVITY  
SPACE MANUFACTURING  
SPACE PROCESSING  
SPACE TOOLS  
TECHNOLOGIES

**LOW INTENSITY X RAY IMAGING SCOPES**  
USE LIXISCOPES

**LOW LATITUDES**  
USE TROPICAL REGIONS

**LOW LEVEL TURBULENCE**  
GS TURBULENCE  
ATMOSPHERIC TURBULENCE  
LOW LEVEL TURBULENCE  
RT HOMOGENEOUS TURBULENCE

**LOW MASS**  
USE MASS

**LOW MOLECULAR WEIGHTS**  
GS MOLECULAR WEIGHT  
LOW MOLECULAR WEIGHTS  
RT DIATOMIC MOLECULES  
MOLECULES  
MONATOMIC MOLECULES  
WEIGHT (MASS)

**LOW NOISE**  
RT PREAMPLIFIERS  
SIGNAL TO NOISE RATIOS

**LOW OBSERVABLE REENTRY VEHICLES**  
UF LORV  
GS REENTRY VEHICLES  
LOW OBSERVABLE REENTRY VEHICLES  
RT RADAR CROSS SECTIONS  
REENTRY  
REENTRY PHYSICS  
∞ VEHICLES

**LOW PASS FILTERS**  
RT BANDSTOP FILTERS  
ELECTRIC FILTERS  
ELECTROMAGNETIC WAVE FILTERS  
∞ FILTERS  
MICROWAVE FILTERS  
OPTICAL FILTERS

**LOW PRESSURE**  
GS PRESSURE  
LOW PRESSURE  
HIGH ALTITUDE PRESSURE  
RT ALTITUDE TOLERANCE  
CYCLOGENESIS  
CYCLONES  
∞ DEPRESSION  
HIGH ALTITUDE ENVIRONMENTS  
HIGH PRESSURE  
HYPOBARIC ATMOSPHERES  
TROUGHES

## LOW PRESSURE CHAMBERS

### LOW PRESSURE-(CONT.) VACUUM

### LOW PRESSURE CHAMBERS USE VACUUM CHAMBERS

### ∞ LOW RESISTANCE

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT CHEMICAL PROPERTIES  
ELECTRICAL RESISTANCE  
FLOW RESISTANCE  
MECHANICAL PROPERTIES
- ∞ RESISTANCE  
THERMAL RESISTANCE  
TRANSCONDUCTANCE

### LOW REYNOLDS NUMBER

- SN (RN BELOW 2,000)
- GS RATIOS  
DIMENSIONLESS NUMBERS  
REYNOLDS NUMBER
- RT HIGH REYNOLDS NUMBER  
LAMINAR FLOW  
VISCOSITY

### LOW SPEED

- UF LOW VELOCITY
- GS RATES (PER TIME)  
LOW SPEED  
VELOCITY
- RT AIRSPEED  
FLOW VELOCITY  
GROUND SPEED  
LANDING SPEED  
SUBSONIC SPEED

### LOW SPEED STABILITY

- GS DYNAMIC CHARACTERISTICS  
DYNAMIC STABILITY  
MOTION STABILITY
- LOW SPEED STABILITY  
DYNAMIC STABILITY  
MOTION STABILITY
- RT AERODYNAMIC STABILITY  
AERODYNAMIC STALLING  
AIRCRAFT STABILITY  
ATTITUDE STABILITY  
CONTROLLABILITY  
DYNAMIC TESTS  
FLIGHT CHARACTERISTICS  
FLOW STABILITY  
HOVERING STABILITY  
SPACECRAFT STABILITY

### LOW SPEED WIND TUNNELS

- GS TEST FACILITIES  
WIND TUNNELS
- RT BLOWDOWN WIND TUNNELS

### LOW TEMPERATURE

- GS TEMPERATURE  
LOW TEMPERATURE  
CRYOGENIC TEMPERATURE
- RT BAY ICE  
COOLING  
CRYOGENICS  
FREEZING  
FROST  
FROST DAMAGE  
ICE FORMATION  
MAGNETIC COOLING  
PRESSURE ICE  
REFRIGERATING

### LOW TEMPERATURE BRAZING

- GS WELDING  
LASER WELDING  
FUSION WELDING  
GAS WELDING  
BRAZING
- RT SOLDERING

### LOW TEMPERATURE ENVIRONMENTS

- GS ENVIRONMENTS  
LOW TEMPERATURE ENVIRONMENTS

### LOW TEMPERATURE ENVIRONMENTS-(CONT.)

- RT COLD STRENGTH  
COLD WEATHER  
HIGH ALTITUDE ENVIRONMENTS  
LUNAR TEMPERATURE  
MAGNETIC COOLING  
MOUNTAIN INHABITANTS  
THERMAL ENVIRONMENTS

### LOW TEMPERATURE PHYSICS

- RT CRYOCHEMISTRY  
CRYOGENICS  
HIGH TEMPERATURE  
SUPERCONDUCTORS  
KONDO EFFECT
- ∞ PHYSICS  
SCIENCE  
SOLIDIFIED GASES  
SUPERCONDUCTING POWER  
TRANSMISSION  
SUPERCONDUCTIVITY

### LOW TEMPERATURE PLASMAS

- USE COLD PLASMAS

### LOW TEMPERATURE TESTS

- GS ENVIRONMENTAL TESTS  
LOW TEMPERATURE TESTS
- RT CHEMICAL TESTS  
COLD STRENGTH  
COLD WEATHER TESTS  
CRYOSTATS  
HARDNESS TESTS  
LUBRICANT TESTS  
MELTING POINTS  
NONDESTRUCTIVE TESTS  
QUALITY CONTROL  
TEMPERATURE CONTROL
- ∞ TESTS  
THERMAL EXPANSION  
THERMAL STABILITY

### LOW THRUST

- GS THRUST  
LOW THRUST  
MICROTHRUST
- RT HIGH THRUST  
JET THRUST  
ROCKET THRUST  
VARIABLE THRUST

### LOW THRUST PROPULSION

- GS PROPULSION  
LOW THRUST PROPULSION  
ELECTROMAGNETIC PROPULSION  
ELECTROSTATIC PROPULSION  
ION PROPULSION  
MAN OPERATED PROPULSION SYSTEMS  
PHOTONIC PROPULSION  
PLASMA PROPULSION  
SOLAR PROPULSION  
SOLAR ELECTRIC PROPULSION  
SOLAR THERMAL PROPULSION
- RT ELECTRIC PROPULSION  
MICROTHRUST  
ROCKET THRUST  
SPACE STATION PROPULSION  
SPACECRAFT PROPULSION  
VARIABLE THRUST

### LOW TURBULENCE

- GS TURBULENCE  
LOW TURBULENCE
- RT STEADY FLOW

### LOW VACUUM

- SN (PRESSURES BETWEEN 3.001 AND 1.0 TORR)
- GS PRESSURE  
VACUUM  
LOW VACUUM
- RT HIGH VACUUM

### LOW VELOCITY

- USE LOW SPEED

### LOW VISIBILITY

- GS VISIBILITY  
LOW VISIBILITY
- RT AIRCRAFT LANDING  
ALL-WEATHER LANDING SYSTEMS  
HAZARDS  
HAZE

### LOW VISIBILITY-(CONT.)

- INSTRUMENT FLIGHT RULES  
LIGHT TRANSMISSION

### LOW VOLTAGE

- GS POTENTIAL ENERGY  
ELECTRIC POTENTIAL  
LOW VOLTAGE
- RT LOW CURRENTS

### LOW VOLUME RAMJET ENGINES

- GS ENGINES  
AIR BREATHING ENGINES  
GAS TURBINE ENGINES  
JET ENGINES  
RAMJET ENGINES  
LOW VOLUME RAMJET ENGINES  
INTERNAL COMBUSTION ENGINES  
GAS TURBINE ENGINES  
JET ENGINES  
RAMJET ENGINES  
LOW VOLUME RAMJET ENGINES  
TURBINE ENGINES  
GAS TURBINE ENGINES  
JET ENGINES  
RAMJET ENGINES  
LOW VOLUME RAMJET ENGINES

### LOW WEIGHT

- RT GRAVITATION  
REDUCED GRAVITY  
WEIGHTLESSNESS

### ∞ LOW WING AIRCRAFT

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT AIRCRAFT  
AIRCRAFT CONFIGURATIONS  
BEECH 99 AIRCRAFT  
GENERAL AVIATION AIRCRAFT  
HYPERSONIC AIRCRAFT  
JET AIRCRAFT  
LIGHT AIRCRAFT  
MONOPLANES  
PASSENGER AIRCRAFT  
TAILLESS AIRCRAFT  
TRANSPORT AIRCRAFT  
TURBOFAN AIRCRAFT  
TURBOPROP AIRCRAFT

### LOWER ATMOSPHERE

- SN (ALTITUDE BELOW ABOUT 50 KM)
- GS EARTH ATMOSPHERE  
LOWER ATMOSPHERE  
TROPOSPHERE  
TROPOPAUSE
- RT BIOSPHERE  
CHEMOSPHERE  
HETEROSPHERE  
HOMOSPHERE  
INTASAT SATELLITE  
LACATE (EXPERIMENT)  
LOW ALTITUDE  
MESOMETEOROLOGY  
MIDDLE ATMOSPHERE

### LOWER ATMOSPHERIC COMPOSITION EXPERIMENT

- USE LACATE (EXPERIMENT)

### LOWER BODY NEGATIVE PRESSURE

- GS HEMODYNAMICS  
LOWER BODY NEGATIVE PRESSURE  
PRESSURE  
BLOOD PRESSURE  
LOWER BODY NEGATIVE PRESSURE
- RT ACCELERATION STRESSES  
(PHYSIOLOGY)  
ARTIFICIAL GRAVITY  
CARDIOVASCULAR SYSTEM  
GRAVITATIONAL EFFECTS  
ORTHOSTATIC TOLERANCE  
SPACE FLIGHT STRESS  
STRESS (PHYSIOLOGY)  
WEIGHTLESSNESS

### LOWER CALIFORNIA (MEXICO)

- UF BAJA CALIFORNIA
- RT MEXICO  
NORTH AMERICA

### LOWER IONOSPHERE

- GS EARTH ATMOSPHERE



## LUMINESCENT INTENSITY

### LUMINESCENCE-(CONT.)

GS EMISSION  
 . LIGHT EMISSION  
 . **LUMINESCENCE**  
 . . BIOLUMINESCENCE  
 . . CATHODE GLOW  
 . . CATHODOLUMINESCENCE  
 . . CHEMILUMINESCENCE  
 . . ELECTROLUMINESCENCE  
 . . FLUORESCENCE  
 . . . LASER INDUCED FLUORESCENCE  
 . . . PHOSPHORESCENCE  
 . . . RESONANCE FLUORESCENCE  
 . . . X RAY FLUORESCENCE  
 . . LUNAR LUMINESCENCE  
 . . OPTICAL RESONANCE  
 . . . PHOTOLUMINESCENCE  
 . . . TRIBOLUMINESCENCE  
 . . . X RAY FLUORESCENCE  
 . . SHOCK WAVE LUMINESCENCE  
 . . SONOLUMINESCENCE  
 . . SPACECRAFT GLOW  
 . . THERMOLUMINESCENCE  
 RT AFTERGLOWS  
 ALKALI VAPOR LAMPS  
 BRIGHTNESS  
 ELECTRON-HOLE DROPS  
 FRAUNHOFER LINE DISCRIMINATORS  
 ∞ ILLUMINATION  
 ILLUMINATORS  
 INCANDESCENCE  
 LIGHT (VISIBLE RADIATION)  
 LIGHT EMITTING DIODES  
 LUMENS  
 LUMINOSITY  
 LUMINOUS INTENSITY  
 NOCTILUCENT CLOUDS  
 OPTICAL TRANSITION  
 PLASMA RADIATION  
 STELLAR LUMINOSITY  
 STOKES LAW OF RADIATION  
 VISIBILITY

**LUMINESCENT INTENSITY**  
 USE LUMINOUS INTENSITY

### LUMINOSITY

GS ELECTROMAGNETIC PROPERTIES  
 . OPTICAL PROPERTIES  
 . . **LUMINOSITY**  
 . . . STELLAR LUMINOSITY  
 RT BRIGHTNESS  
 EMISSIVITY  
 EMITTANCE  
 ILLUMINANCE  
 INCANDESCENCE  
 LIGHT (VISIBLE RADIATION)  
 LUMENS  
 LUMINESCENCE  
 MASS TO LIGHT RATIOS  
 PHOSPHENE  
 RADIANCE  
 RADIANT FLUX DENSITY  
 VISIBILITY

**LUMINOUS FLUX DENSITY**  
 USE LUMINOUS INTENSITY

### LUMINOUS INTENSITY

SN (LIMITED TO EMISSION OR DETECTION  
 RATE PER UNIT AREA OF VISIBLE  
 RADIATION)  
 UF LIGHT INTENSITY  
 LUMINESCENT INTENSITY  
 LUMINOUS FLUX DENSITY  
 GS PRESSURE  
 . RADIATION PRESSURE  
 . . **LUMINOUS INTENSITY**  
 . . . ILLUMINANCE  
 . . . LUMINANCE  
 RATES (PER TIME)  
 . FLUX DENSITY  
 . . RADIANT FLUX DENSITY  
 . . . **LUMINOUS INTENSITY**  
 . . . . ILLUMINANCE  
 . . . . LUMINANCE  
 RT BL LACERTAE OBJECTS  
 BRIGHTNESS  
 EMITTANCE  
 FLUX (RATE)  
 INCANDESCENCE  
 ∞ INTENSITY  
 IRRADIANCE  
 LIGHT (VISIBLE RADIATION)  
 LUMINESCENCE

### LUMINOUS INTENSITY-(CONT.)

MASS TO LIGHT RATIOS  
 RADIANCE  
 SEYFERT GALAXIES  
 SOLAR FLUX DENSITY  
 STELLAR MAGNITUDE

### LUMPED PARAMETER SYSTEMS

RT LUMPING  
 MATHEMATICAL MODELS  
 MATRICES (MATHEMATICS)  
 ∞ SYSTEMS

### LUMPING

RT AGGLOMERATION  
 COAGULATION  
 COLLECTION  
 COMPOSITION (PROPERTY)  
 LUMPED PARAMETER SYSTEMS

### LUNA LUNAR PROBES

USE LUNIK LUNAR PROBES

### LUNAR ALBEDO

GS ALBEDO  
 . **LUNAR ALBEDO**  
 RT ABSORPTANCE  
 COSMIC RAY ALBEDO  
 EARTH ALBEDO  
 OPTICAL PROPERTIES  
 SURFACE PROPERTIES

### LUNAR ATMOSPHERE

UF LUNAR IONOSPHERE  
 GS ENVIRONMENTS  
 . EXTRATERRESTRIAL ENVIRONMENTS  
 . . LUNAR ENVIRONMENT  
 . . . **LUNAR ATMOSPHERE**  
 . . . SATELLITE ATMOSPHERES  
 . . . **LUNAR ATMOSPHERE**  
 RT MOON  
 PLANETARY ATMOSPHERES

### LUNAR BASES

GS SPACE BASES  
 . **LUNAR BASES**  
 RT AEPS  
 ∞ ASTRONAUTICS  
 ∞ BASES  
 MOON  
 ORBITING LUNAR STATIONS  
 SPACE COLONIES  
 STATIONS

### LUNAR CINEMATOGRAPHY

USE LUNAR PHOTOGRAPHY

### LUNAR COMMUNICATION

GS TELECOMMUNICATION  
 . SPACE COMMUNICATION  
 . . **LUNAR COMMUNICATION**  
 . . . CIRCULUNAR COMMUNICATION  
 RT FACSIMILE COMMUNICATION  
 INTERPLANETARY COMMUNICATION  
 LASERS  
 MOON  
 OPTICAL COMMUNICATION  
 RADAR  
 RADIO COMMUNICATION  
 SATELLITE COMMUNICATION  
 SPACECRAFT COMMUNICATION

### LUNAR COMPOSITION

GS COMPOSITION (PROPERTY)  
 . **LUNAR COMPOSITION**  
 RT LUNAR CORE  
 MOON  
 PRE-IMBRIAN PERIOD  
 SELENOLOGY

### LUNAR CORE

GS CORES  
 . **LUNAR CORE**  
 RT LUNAR COMPOSITION  
 LUNAR GEOLOGY  
 PLANETARY CORES  
 SELENOLOGY

### LUNAR CRATERS

GS CRATERS  
 . **LUNAR CRATERS**  
 . . PTOLEMAEUS CRATER  
 . . TYCHO CRATER  
 RT METEORITE CRATERS

### LUNAR CRATERS-(CONT.)

MOON  
 PRE-IMBRIAN PERIOD  
 SELENOGRAPHY  
 SELENOLOGY

### LUNAR CRUST

GS CRUSTS  
 . **LUNAR CRUST**  
 RT EARTH CRUST  
 MOON  
 PLANETARY CRUSTS  
 SELENOGRAPHY  
 SELENOLOGY

### LUNAR DUST

GS PARTICLES  
 . DUST  
 . . **LUNAR DUST**  
 . . SOILS  
 . . LUNAR SOIL  
 . . **LUNAR DUST**  
 RT MOON  
 SELENOLOGY

### LUNAR ECHOES

GS ECHOES  
 . **LUNAR ECHOES**  
 . . LUNAR RADAR ECHOES  
 RT RADIO ECHOES  
 SELENOLOGY

### LUNAR ECLIPSES

GS ECLIPSES  
 . **LUNAR ECLIPSES**  
 RT MOON  
 SELENOLOGY

### LUNAR EFFECTS

UF LUNAR PERTURBATION  
 GS **LUNAR EFFECTS**  
 . LUNAR GRAVITATIONAL EFFECTS  
 . LUNAR TIDES  
 RT ∞ EFFECTS  
 ORBIT PERTURBATION  
 SELENOLOGY

### LUNAR ENVIRONMENT

GS ENVIRONMENTS  
 . EXTRATERRESTRIAL ENVIRONMENTS  
 . . **LUNAR ENVIRONMENT**  
 . . . LUNAR ATMOSPHERE  
 RT AEROSPACE ENVIRONMENTS  
 BIOASTRONAUTICS  
 EXOBIOLOGY  
 LIFE SUPPORT SYSTEMS  
 MOON  
 PLANETARY ENVIRONMENTS  
 SELENOLOGY  
 THERMAL ENVIRONMENTS

### LUNAR EQUATOR

GS EQUATORS  
 . **LUNAR EQUATOR**  
 RT INFRARED IMAGERY  
 RADAR IMAGERY  
 SELENOLOGY

### LUNAR ESCAPE DEVICES

RT ESCAPE CAPSULES  
 ESCAPE ROCKETS

### LUNAR EVOLUTION

GS EVOLUTION (DEVELOPMENT)  
 . **LUNAR EVOLUTION**  
 RT MOON  
 PRE-IMBRIAN PERIOD  
 SELENOLOGY

### LUNAR EXPLORATION

GS EXPLORATION  
 . **LUNAR EXPLORATION**  
 RT APOLLO LUNAR EXPERIMENT MODULE  
 APOLLO LUNAR SURFACE EXPERIMENTS  
 PACKAGE  
 APOLLO PROJECT  
 APOLLO 5 FLIGHT  
 APOLLO 6 FLIGHT  
 APOLLO 7 FLIGHT  
 APOLLO 8 FLIGHT  
 APOLLO 9 FLIGHT  
 APOLLO 10 FLIGHT  
 APOLLO 11 FLIGHT  
 APOLLO 12 FLIGHT

# LUNAR MODULE

## LUNAR EXPLORATION-(CONT.)

APOLLO 13 FLIGHT  
APOLLO 14 FLIGHT  
APOLLO 15 FLIGHT  
APOLLO 16 FLIGHT  
APOLLO 17 FLIGHT  
EASEP  
EXTRATERRESTRIAL RESOURCES  
LOCAL SCIENTIFIC SURVEY MODULE  
MOON  
SELENOLOGY  
SPACE EXPLORATION

## LUNAR EXPLORATION SYSTEM FOR APOLLO

UF LESA (LUNAR EXPLORATION SYSTEM)  
RT APOLLO PROJECT  
APOLLO 5 FLIGHT  
APOLLO 6 FLIGHT  
APOLLO 7 FLIGHT  
APOLLO 8 FLIGHT  
APOLLO 9 FLIGHT  
APOLLO 10 FLIGHT  
APOLLO 11 FLIGHT  
APOLLO 12 FLIGHT  
APOLLO 13 FLIGHT  
APOLLO 14 FLIGHT  
APOLLO 15 FLIGHT  
APOLLO 16 FLIGHT  
APOLLO 17 FLIGHT  
∞SYSTEMS

## LUNAR FAR SIDE

RT LIBRATION  
MOON  
SELENOLOGY

## LUNAR FIGURE

RT SELENOLOGY

## LUNAR FLIGHT

GS SPACE FLIGHT  
∞ LUNAR FLIGHT  
RT APOLLO 5 FLIGHT  
APOLLO 6 FLIGHT  
APOLLO 7 FLIGHT  
APOLLO 8 FLIGHT  
APOLLO 9 FLIGHT  
APOLLO 10 FLIGHT  
APOLLO 11 FLIGHT  
APOLLO 12 FLIGHT  
APOLLO 13 FLIGHT  
APOLLO 14 FLIGHT  
APOLLO 15 FLIGHT  
APOLLO 16 FLIGHT  
APOLLO 17 FLIGHT  
CIRCUMLUNAR TRAJECTORIES  
CISLUNAR SPACE  
EARTH-MOON TRAJECTORIES  
∞FLIGHT  
FLYBY MISSIONS  
MOON-EARTH TRAJECTORIES  
ORBITS

## LUNAR FLYING VEHICLES

RT ∞FLIGHT VEHICLES  
LIFTING BODIES  
∞VEHICLES

## LUNAR GEOLOGY

GS GEOLOGY  
∞ LUNAR GEOLOGY  
RT GEOMORPHOLOGY  
LUNAR CORE  
LUNAR MARIA  
LUNAR SEISMOGRAPHS  
MOON  
MOONQUAKES  
PLANETARY GEOLOGY  
PRE-IMBRIAN PERIOD  
REGOLITH  
SEISMOLOGY  
SELENOLOGY

## LUNAR GRAVITATION

GS GRAVITATION  
∞ LUNAR GRAVITATION  
RT MOON  
PLANETARY GRAVITATION  
SELENOLOGY

## LUNAR GRAVITATIONAL EFFECTS

GS GRAVITATIONAL EFFECTS  
∞ LUNAR GRAVITATIONAL EFFECTS  
LUNAR EFFECTS  
∞ LUNAR GRAVITATIONAL EFFECTS

## LUNAR GRAVITATIONAL EFFECTS-(CONT.)

RT ∞EFFECTS  
SELENOLOGY

## LUNAR GRAVITY SIMULATOR

GS SIMULATORS  
∞ ENVIRONMENT SIMULATORS  
∞ LUNAR GRAVITY SIMULATOR  
RT GRAVITATION

## LUNAR IONOSPHERE

USE LUNAR ATMOSPHERE

## LUNAR LANDING

GS LANDING  
∞ SPACECRAFT LANDING  
∞ LUNAR LANDING  
RT APOLLO LUNAR EXPERIMENT MODULE  
APOLLO 5 FLIGHT  
APOLLO 6 FLIGHT  
APOLLO 7 FLIGHT  
APOLLO 8 FLIGHT  
APOLLO 9 FLIGHT  
APOLLO 10 FLIGHT  
APOLLO 11 FLIGHT  
APOLLO 12 FLIGHT  
APOLLO 13 FLIGHT  
APOLLO 14 FLIGHT  
APOLLO 15 FLIGHT  
APOLLO 16 FLIGHT  
APOLLO 17 FLIGHT  
CRASH LANDING  
HARD LANDING  
PLANETARY LANDING  
SOFT LANDING  
SURVEYOR PROJECT

## LUNAR LANDING MODULES

GS LUNAR SPACECRAFT  
∞ LUNAR LANDING MODULES  
∞ LUNAR MODULE  
∞ APOLLO LUNAR EXPERIMENT  
MODULE  
∞ LSSM  
∞ LUNAR MODULE 5  
∞ LUNAR MODULE 7  
MODULES  
∞ SPACECRAFT MODULES  
∞ LANDING MODULES  
∞ LUNAR LANDING MODULES  
∞ LUNAR MODULE  
∞ LSSM  
SOFT LANDING SPACECRAFT  
∞ LANDING MODULES  
∞ LUNAR LANDING MODULES  
∞ LUNAR MODULE  
∞ APOLLO LUNAR EXPERIMENT  
MODULE  
∞ LSSM  
∞ LUNAR MODULE 5  
∞ LUNAR MODULE 7  
SPACECRAFT COMPONENTS  
∞ SPACECRAFT MODULES  
∞ LANDING MODULES  
∞ LUNAR LANDING MODULES  
∞ LUNAR MODULE  
∞ LSSM  
RT APOLLO EXTENSION SYSTEM  
MANEUVERABLE SPACECRAFT  
MANNED SPACECRAFT  
REUSABLE SPACECRAFT  
UNMANNED SPACECRAFT

## LUNAR LANDING SITES

GS SITES  
∞ LANDING SITES  
∞ LUNAR LANDING SITES  
RT MOON  
SELENOGRAPHY

## LUNAR LAUNCH

GS LAUNCHING  
∞ ROCKET LAUNCHING  
∞ LUNAR LAUNCH  
RT APOLLO 5 FLIGHT  
APOLLO 6 FLIGHT  
APOLLO 7 FLIGHT  
APOLLO 8 FLIGHT  
APOLLO 9 FLIGHT  
APOLLO 10 FLIGHT  
APOLLO 11 FLIGHT  
APOLLO 12 FLIGHT  
APOLLO 13 FLIGHT  
APOLLO 14 FLIGHT  
APOLLO 15 FLIGHT

## LUNAR LAUNCH-(CONT.)

APOLLO 16 FLIGHT  
APOLLO 17 FLIGHT  
ORBITAL LAUNCHING  
SATURN PROJECT

## LUNAR LIMB

RT LIBRATION  
∞ LIMBS  
MOON  
PLANETARY LIMB  
SELENOLOGY

## LUNAR LOGISTICS

GS LOGISTICS  
∞ LUNAR LOGISTICS  
RT LIFE SUPPORT SYSTEMS  
MANNED LUNAR SURFACE VEHICLES  
MATERIALS HANDLING

## LUNAR LUMINESCENCE

GS EMISSION  
∞ LIGHT EMISSION  
∞ LUMINESCENCE  
∞ LUNAR LUMINESCENCE  
RT MOON  
SELENOLOGY

## LUNAR MAGNETIC FIELDS

GS MAGNETIC FIELDS  
∞ LUNAR MAGNETIC FIELDS  
RT MOON  
SELENOLOGY

## LUNAR MANTLE

RT CRUSTS  
EARTH MANTLE  
PLANETARY MANTLES  
PLANETARY STRUCTURE  
REGOLITH  
SELENOLOGY

## LUNAR MAPS

GS MAPS  
∞ LUNAR MAPS  
RT ASTRONOMICAL MAPS  
MOON  
SELENOGRAPHY

## LUNAR MARIA

GS MARIA  
∞ LUNAR MARIA  
RT BASALT  
LUNAR GEOLOGY  
LUNAR ROCKS  
SELENOLOGY

## LUNAR MOBILE LABORATORIES

UF MOLABS  
GS LABORATORIES  
∞ LUNAR MOBILE LABORATORIES  
SURFACE VEHICLES  
∞ LUNAR SURFACE VEHICLES  
∞ LUNAR MOBILE LABORATORIES  
RT APOLLO PROJECT  
MANNED LUNAR SURFACE VEHICLES  
SELENOGRAPHY

## LUNAR MODULE

UF LEM (LUNAR MODULE)  
GS LUNAR SPACECRAFT  
∞ LUNAR LANDING MODULES  
∞ LUNAR MODULE  
∞ APOLLO LUNAR EXPERIMENT  
MODULE  
∞ LSSM  
∞ LUNAR MODULE 5  
∞ LUNAR MODULE 7  
MANNED SPACECRAFT  
∞ LUNAR MODULE  
∞ APOLLO LUNAR EXPERIMENT  
MODULE  
∞ LSSM  
∞ LUNAR MODULE 5  
∞ LUNAR MODULE 7  
MODULES  
∞ SPACECRAFT MODULES  
∞ LANDING MODULES  
∞ LUNAR LANDING MODULES  
∞ LUNAR MODULE  
∞ LSSM  
SOFT LANDING SPACECRAFT  
∞ LANDING MODULES  
∞ LUNAR LANDING MODULES

## LUNAR MODULE ASCENT STAGE

### LUNAR MODULE-(CONT.)

. . . LUNAR MODULE  
 . . . APOLLO LUNAR EXPERIMENT  
 . . . MODULE  
 . . . . . LSSM  
 . . . . . LUNAR MODULE 5  
 . . . . . LUNAR MODULE 7  
 SPACECRAFT COMPONENTS  
 . SPACECRAFT MODULES  
 . LANDING MODULES  
 . LUNAR LANDING MODULES  
 . . . LUNAR MODULE  
 . . . . . LSSM  
 RT APOLLO SPACECRAFT  
 APOLLO 5 FLIGHT  
 APOLLO 6 FLIGHT  
 APOLLO 7 FLIGHT  
 APOLLO 8 FLIGHT  
 APOLLO 9 FLIGHT  
 APOLLO 10 FLIGHT  
 APOLLO 11 FLIGHT  
 APOLLO 12 FLIGHT  
 APOLLO 13 FLIGHT  
 APOLLO 14 FLIGHT  
 APOLLO 15 FLIGHT  
 APOLLO 16 FLIGHT  
 APOLLO 17 FLIGHT  
 ASCENT PROPULSION SYSTEMS

### LUNAR MODULE ASCENT STAGE

RT ASCENT  
 ASCENT TRAJECTORIES  
 ROCKET ENGINES  
 STAGE SEPARATION

### LUNAR MODULE 5

GS LUNAR SPACECRAFT  
 . LUNAR LANDING MODULES  
 . . LUNAR MODULE  
 . . . LUNAR MODULE 5  
 MANNED SPACECRAFT  
 . LUNAR MODULE  
 . . LUNAR MODULE 5  
 SOFT LANDING SPACECRAFT  
 . LANDING MODULES  
 . LUNAR LANDING MODULES  
 . . LUNAR MODULE  
 . . . LUNAR MODULE 5  
 RT APOLLO SPACECRAFT

### LUNAR MODULE 7

GS LUNAR SPACECRAFT  
 . LUNAR LANDING MODULES  
 . . LUNAR MODULE  
 . . . LUNAR MODULE 7  
 MANNED SPACECRAFT  
 . LUNAR MODULE  
 . . LUNAR MODULE 7  
 SOFT LANDING SPACECRAFT  
 . LANDING MODULES  
 . LUNAR LANDING MODULES  
 . . LUNAR MODULE  
 . . . LUNAR MODULE 7  
 RT APOLLO SPACECRAFT

### LUNAR OBSERVATORIES

GS OBSERVATORIES  
 . LUNAR OBSERVATORIES  
 RT ASTRONOMICAL OBSERVATORIES

### LUNAR OCCULTATION

GS OCCULTATION  
 . LUNAR OCCULTATION  
 . . SOLAR ECLIPSES  
 RT EXOSAT SATELLITE  
 MOON  
 SELENOLOGY  
 STELLAR OCCULTATION

### LUNAR ORBIT AND LANDING SIMULATORS

UF LOLA (SIMULATOR)  
 GS SIMULATORS  
 . LUNAR ORBIT AND LANDING  
 . . SIMULATORS  
 RT FLIGHT SIMULATORS  
 TRAINING SIMULATORS

### LUNAR ORBITAL RENDEZVOUS

UF LOR (RENDEZVOUS)  
 GS MANEUVERS  
 . ORBITAL RENDEZVOUS  
 . . LUNAR ORBITAL RENDEZVOUS  
 RENDEZVOUS  
 . SPACE RENDEZVOUS  
 . . ORBITAL RENDEZVOUS

### LUNAR ORBITAL RENDEZVOUS-(CONT.)

. . . LUNAR ORBITAL RENDEZVOUS  
 RT EARTH ORBITAL RENDEZVOUS  
 ORBITAL MECHANICS  
 SPACECRAFT TRAJECTORIES

### LUNAR ORBITER

GS ARTIFICIAL SATELLITES  
 . LUNAR SATELLITES  
 . . LUNAR ORBITER  
 . . . LUNAR ORBITER 1  
 . . . LUNAR ORBITER 2  
 . . . LUNAR ORBITER 3  
 . . . LUNAR ORBITER 4  
 . . . LUNAR ORBITER 5  
 LUNAR SPACECRAFT  
 . LUNAR SATELLITES  
 . . LUNAR ORBITER  
 . . . LUNAR ORBITER 1  
 . . . LUNAR ORBITER 2  
 . . . LUNAR ORBITER 3  
 . . . LUNAR ORBITER 4  
 . . . LUNAR ORBITER 5

### LUNAR ORBITER A

USE LUNAR ORBITER 1

### LUNAR ORBITER B

USE LUNAR ORBITER 2

### LUNAR ORBITER C

USE LUNAR ORBITER 3

### LUNAR ORBITER D

USE LUNAR ORBITER 4

### LUNAR ORBITER E

USE LUNAR ORBITER 5

### LUNAR ORBITER 1

UF LUNAR ORBITER A  
 GS ARTIFICIAL SATELLITES  
 . LUNAR SATELLITES  
 . . LUNAR ORBITER  
 . . . LUNAR ORBITER 1  
 LUNAR SPACECRAFT  
 . LUNAR SATELLITES  
 . . LUNAR ORBITER  
 . . . LUNAR ORBITER 1

### LUNAR ORBITER 2

UF LUNAR ORBITER B  
 GS ARTIFICIAL SATELLITES  
 . LUNAR SATELLITES  
 . . LUNAR ORBITER  
 . . . LUNAR ORBITER 2  
 LUNAR SPACECRAFT  
 . LUNAR SATELLITES  
 . . LUNAR ORBITER  
 . . . LUNAR ORBITER 2

### LUNAR ORBITER 3

UF LUNAR ORBITER C  
 GS ARTIFICIAL SATELLITES  
 . LUNAR SATELLITES  
 . . LUNAR ORBITER  
 . . . LUNAR ORBITER 3  
 LUNAR SPACECRAFT  
 . LUNAR SATELLITES  
 . . LUNAR ORBITER  
 . . . LUNAR ORBITER 3

### LUNAR ORBITER 4

UF LUNAR ORBITER D  
 GS ARTIFICIAL SATELLITES  
 . LUNAR SATELLITES  
 . . LUNAR ORBITER  
 . . . LUNAR ORBITER 4  
 LUNAR SPACECRAFT  
 . LUNAR SATELLITES  
 . . LUNAR ORBITER  
 . . . LUNAR ORBITER 4

### LUNAR ORBITER 5

UF LUNAR ORBITER E  
 GS ARTIFICIAL SATELLITES  
 . LUNAR SATELLITES  
 . . LUNAR ORBITER  
 . . . LUNAR ORBITER 5  
 LUNAR SPACECRAFT  
 . LUNAR SATELLITES  
 . . LUNAR ORBITER  
 . . . LUNAR ORBITER 5

### LUNAR ORBITS

UF EJECTION  
 GS ORBITS  
 . LUNAR ORBITS  
 RT ARTIFICIAL SATELLITES  
 CIRCULAR ORBITS  
 CIRCUMLUNAR TRAJECTORIES  
 CIRCUMLUNAR SPACE  
 COMMAND SERVICE MODULES  
 EARTH ORBITS  
 EARTH-MOON TRAJECTORIES  
 ELLIPTICAL ORBITS  
 EQUATORIAL ORBITS  
 LISSAJOUS FIGURES  
 MOON  
 ORBITAL MECHANICS  
 PARKING ORBITS  
 PERILUNES  
 POLAR ORBITS  
 SATELLITE ORBITS  
 SPACECRAFT ORBITS  
 TRANSFER ORBITS

### LUNAR PERTURBATION

USE LUNAR EFFECTS

### LUNAR PHASES

RT MOON  
 ∞ PHASES  
 SELENOLOGY  
 TERMINATOR LINES

### LUNAR PHOTOGRAPHS

GS PHOTOGRAPHS  
 . LUNAR PHOTOGRAPHS  
 RT ASTRONOMICAL PHOTOGRAPHY  
 PHOTOGRAPHY  
 RANGER PROJECT  
 SPACEBORNE PHOTOGRAPHY

### LUNAR PHOTOGRAPHY

UF LUNAR CINEMATOGRAPHY  
 GS IMAGERY  
 . LUNAR PHOTOGRAPHY  
 PHOTOGRAPHY  
 . LUNAR PHOTOGRAPHY  
 RT ASTRONOMICAL PHOTOGRAPHY  
 BLACK AND WHITE PHOTOGRAPHY  
 INFRARED PHOTOGRAPHY  
 MOON  
 RANGER PROJECT  
 SPACEBORNE PHOTOGRAPHY

### LUNAR PROBES

GS LUNAR SPACECRAFT  
 . LUNAR PROBES  
 . . LUNIK LUNAR PROBES  
 . . . LUNIK 2 LUNAR PROBE  
 . . . LUNIK 3 LUNAR PROBE  
 . . . LUNIK 9 LUNAR PROBE  
 . . . LUNIK 10 LUNAR PROBE  
 . . . LUNIK 11 LUNAR PROBE  
 . . . LUNIK 12 LUNAR PROBE  
 . . . LUNIK 13 LUNAR PROBE  
 . . . LUNIK 14 LUNAR PROBE  
 . . . LUNIK 16 LUNAR PROBE  
 . . . LUNIK 17 LUNAR PROBE  
 . . . LUNIK 19 LUNAR PROBE  
 . . . LUNIK 20 LUNAR PROBE  
 . . . LUNIK 22 LUNAR PROBE  
 . . . RANGER LUNAR PROBES  
 . . . RANGER LUNAR LANDING  
 . . . VEHICLES  
 . . . RANGER 1 LUNAR PROBE  
 . . . RANGER 2 LUNAR PROBE  
 . . . RANGER 3 LUNAR PROBE  
 . . . RANGER 4 LUNAR PROBE  
 . . . RANGER 5 LUNAR PROBE  
 . . . RANGER 6 LUNAR PROBE  
 . . . RANGER 7 LUNAR PROBE  
 . . . RANGER 8 LUNAR PROBE  
 . . . RANGER 9 LUNAR PROBE  
 . . . SURVEYOR LUNAR PROBES  
 . . . SURVEYOR 1 LUNAR PROBE  
 . . . SURVEYOR 2 LUNAR PROBE  
 . . . SURVEYOR 3 LUNAR PROBE  
 . . . SURVEYOR 4 LUNAR PROBE  
 . . . SURVEYOR 5 LUNAR PROBE  
 . . . SURVEYOR 6 LUNAR PROBE  
 . . . SURVEYOR 7 LUNAR PROBE  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . . LUNAR PROBES  
 . . . LUNIK LUNAR PROBES  
 . . . . LUNIK 2 LUNAR PROBE

## LUNAR SURFACE VEHICLES

### LUNAR PROBES-(CONT.)

. . . . LUNIK 3 LUNAR PROBE  
 . . . . LUNIK 9 LUNAR PROBE  
 . . . . LUNIK 10 LUNAR PROBE  
 . . . . LUNIK 11 LUNAR PROBE  
 . . . . LUNIK 12 LUNAR PROBE  
 . . . . LUNIK 13 LUNAR PROBE  
 . . . . LUNIK 14 LUNAR PROBE  
 . . . . LUNIK 16 LUNAR PROBE  
 . . . . LUNIK 17 LUNAR PROBE  
 . . . . LUNIK 19 LUNAR PROBE  
 . . . . LUNIK 20 LUNAR PROBE  
 . . . . LUNIK 22 LUNAR PROBE  
 . . . . RANGER LUNAR PROBES  
 . . . . RANGER LUNAR LANDING  
           VEHICLES  
 . . . . RANGER 1 LUNAR PROBE  
 . . . . RANGER 2 LUNAR PROBE  
 . . . . RANGER 3 LUNAR PROBE  
 . . . . RANGER 4 LUNAR PROBE  
 . . . . RANGER 5 LUNAR PROBE  
 . . . . RANGER 6 LUNAR PROBE  
 . . . . RANGER 7 LUNAR PROBE  
 . . . . RANGER 8 LUNAR PROBE  
 . . . . RANGER 9 LUNAR PROBE  
 . . . . SURVEYOR LUNAR PROBES  
 . . . . SURVEYOR 1 LUNAR PROBE  
 . . . . SURVEYOR 2 LUNAR PROBE  
 . . . . SURVEYOR 3 LUNAR PROBE  
 . . . . SURVEYOR 4 LUNAR PROBE  
 . . . . SURVEYOR 5 LUNAR PROBE  
 . . . . SURVEYOR 6 LUNAR PROBE  
 . . . . SURVEYOR 7 LUNAR PROBE  
 RT APOLLO PROJECT  
   ATLAS ABL 5 LAUNCH VEHICLE  
   MANEUVERABLE SPACECRAFT  
   PIONEER PROJECT  
   RANGER PROJECT  
   SOFT LANDING SPACECRAFT  
   SURVEYOR PROJECT

### LUNAR PROGRAMS

GS PROGRAMS  
   . LUNAR PROGRAMS  
   . APOLLO PROJECT  
   . SURVEYOR PROJECT

### LUNAR RADAR ECHOES

UF LUNAR SCATTERING  
 GS ECHOES  
   . LUNAR ECHOES  
   . LUNAR RADAR ECHOES  
   . RADAR ECHOES  
   . LUNAR RADAR ECHOES  
 RT SELENOLOGY

### LUNAR RADIATION

GS EXTRATERRESTRIAL RADIATION  
   . LUNAR RADIATION  
 RT ∞ RADIATION  
   SELENOLOGY

### LUNAR RANGEFINDING

GS RANGEFINDING  
   . LUNAR RANGEFINDING  
 RT DISTANCE MEASURING EQUIPMENT  
   LASER RANGE FINDERS  
   MEASURING INSTRUMENTS  
   OPTICAL RANGE FINDERS  
   RANGE FINDERS

### LUNAR RAYS

SN (EXCLUDES RADIATION)  
 RT METEORITE CRATERS  
   MOON  
   ∞ RAYS  
     SELENOGRAPHY

### LUNAR RECEIVING LABORATORY

GS LABORATORIES  
   . LUNAR RECEIVING LABORATORY

### LUNAR RETROREFLECTORS

RT APOLLO LUNAR SURFACE EXPERIMENTS  
   PACKAGE  
   EARTH-MOON SYSTEM  
   GEODESY  
   LASER RANGE FINDERS  
   RETROREFLECTION  
   U.S.S.R. SPACE PROGRAM

### LUNAR ROCKS

GS ROCKS  
   . LUNAR ROCKS  
   . KREEP

### LUNAR ROCKS-(CONT.)

RT GABBRO  
   IMPACT MELTS  
   LUNAR MARIA  
   PARTICLE TRACKS  
   PRE-IMBRIAN PERIOD  
   REGOLITH  
   SELENOGRAPHY  
   SELENOLOGY

### LUNAR ROTATION

GS ROTATING BODIES  
   . LUNAR ROTATION  
 RT CENTER OF GRAVITY  
   SELENOLOGY  
   SPIN DYNAMICS

### LUNAR ROVING VEHICLES

UF LRV (VEHICLE)  
 GS SURFACE VEHICLES  
   . LUNAR SURFACE VEHICLES  
   . LUNAR ROVING VEHICLES  
   . LUNOKHOD LUNAR ROVING  
     VEHICLES  
   . MANNED LUNAR SURFACE  
     VEHICLES  
   . ROVING VEHICLES  
   . LUNAR ROVING VEHICLES  
   . LUNOKHOD LUNAR ROVING  
     VEHICLES  
 RT PROVING  
   RESEARCH VEHICLES  
   ∞ VEHICLES

### LUNAR SATELLITES

GS ARTIFICIAL SATELLITES  
   . LUNAR SATELLITES  
   . EXPLORER 18 SATELLITE  
   . EXPLORER 28 SATELLITE  
   . IMP  
   . LUNAR ORBITER  
   . LUNAR ORBITER 1  
   . LUNAR ORBITER 2  
   . LUNAR ORBITER 3  
   . LUNAR ORBITER 4  
   . LUNAR ORBITER 5  
   . ORBITING LUNAR STATIONS  
   LUNAR SPACECRAFT  
   . LUNAR SATELLITES  
   . EXPLORER 18 SATELLITE  
   . EXPLORER 28 SATELLITE  
   . IMP  
   . LUNAR ORBITER  
   . LUNAR ORBITER 1  
   . LUNAR ORBITER 2  
   . LUNAR ORBITER 3  
   . LUNAR ORBITER 4  
   . LUNAR ORBITER 5  
   . ORBITING LUNAR STATIONS  
   MANEUVERABLE SPACECRAFT  
   MANNED SPACECRAFT  
   PERILUNES  
   POLAR ORBITS  
   UNMANNED SPACECRAFT

### LUNAR SCATTERING

USE DIFFUSE RADIATION  
   LUNAR RADAR ECHOES

### LUNAR SEISMOGRAPHS

GS MEASURING INSTRUMENTS  
   . VIBRATION METERS  
   . SEISMOGRAPHS  
   . LUNAR SEISMOGRAPHS  
   RECORDING INSTRUMENTS  
   . SEISMOGRAPHS  
   . LUNAR SEISMOGRAPHS  
 RT LUNAR GEOLOGY  
   SELENOLOGY

### LUNAR SHADOW

GS SHADOWS  
   . LUNAR SHADOW  
 RT ECLIPSES  
   MOON  
   SELENOLOGY  
   SOLAR ECLIPSES

### LUNAR SHELTERS

GS SHELTERS  
   . LUNAR SHELTERS  
 RT INFLATABLE STRUCTURES  
   LIFE SUPPORT SYSTEMS  
   SPACE COLONIES  
   SURVIVAL

### LUNAR SHELTERS-(CONT.)

∞ TUNNELS

### LUNAR SOIL

GS SOILS  
   . LUNAR SOIL  
   . LUNAR DUST  
 RT KREEP  
   MINERALS  
   MOON  
   PENETROMETERS  
   SELENOLOGY

### LUNAR SPACECRAFT

GS LUNAR SPACECRAFT  
   . APOLLO SPACECRAFT  
   . APOLLO LUNAR EXPERIMENT  
     MODULE  
   . LUNAR LANDING MODULES  
   . LUNAR MODULE  
   . APOLLO LUNAR EXPERIMENT  
     MODULE  
   . LSSM  
   . LUNAR MODULE 5  
   . LUNAR MODULE 7  
   . LUNAR PROBES  
   . LUNIK LUNAR PROBES  
   . LUNIK 2 LUNAR PROBE  
   . LUNIK 3 LUNAR PROBE  
   . LUNIK 9 LUNAR PROBE  
   . LUNIK 10 LUNAR PROBE  
   . LUNIK 11 LUNAR PROBE  
   . LUNIK 12 LUNAR PROBE  
   . LUNIK 13 LUNAR PROBE  
   . LUNIK 14 LUNAR PROBE  
   . LUNIK 16 LUNAR PROBE  
   . LUNIK 17 LUNAR PROBE  
   . LUNIK 19 LUNAR PROBE  
   . LUNIK 20 LUNAR PROBE  
   . LUNIK 22 LUNAR PROBE  
   . RANGER LUNAR PROBES  
   . RANGER LUNAR LANDING  
     VEHICLES  
   . RANGER 1 LUNAR PROBE  
   . RANGER 2 LUNAR PROBE  
   . RANGER 3 LUNAR PROBE  
   . RANGER 4 LUNAR PROBE  
   . RANGER 5 LUNAR PROBE  
   . RANGER 6 LUNAR PROBE  
   . RANGER 7 LUNAR PROBE  
   . RANGER 8 LUNAR PROBE  
   . RANGER 9 LUNAR PROBE  
   . SURVEYOR LUNAR PROBES  
   . SURVEYOR 1 LUNAR PROBE  
   . SURVEYOR 2 LUNAR PROBE  
   . SURVEYOR 3 LUNAR PROBE  
   . SURVEYOR 4 LUNAR PROBE  
   . SURVEYOR 5 LUNAR PROBE  
   . SURVEYOR 6 LUNAR PROBE  
   . SURVEYOR 7 LUNAR PROBE  
   . LUNAR SATELLITES  
   . EXPLORER 18 SATELLITE  
   . EXPLORER 28 SATELLITE  
   . IMP  
   . LUNAR ORBITER  
   . LUNAR ORBITER 1  
   . LUNAR ORBITER 2  
   . LUNAR ORBITER 3  
   . LUNAR ORBITER 4  
   . LUNAR ORBITER 5  
   . ORBITING LUNAR STATIONS  
 RT APOLLO 5 FLIGHT  
   APOLLO 6 FLIGHT  
   ARTIFICIAL SATELLITES  
   HALO ORBIT SPACE STATION  
   MANNED SPACECRAFT  
   RENDEZVOUS SPACECRAFT  
   SPACE CAPSULES  
   ∞ SPACECRAFT  
   SURVEYOR PROJECT  
   UNMANNED SPACECRAFT

### LUNAR SURFACE

GS SATELLITE SURFACES  
   . LUNAR SURFACE  
 RT SELENOLOGY  
   SURFACE LAYERS  
   SURFACE PROPERTIES  
   ∞ SURFACES

### LUNAR SURFACE SCIENTIFIC MODULES

USE LSSM

### LUNAR SURFACE VEHICLES

GS SURFACE VEHICLES



## LUNAR TEMPERATURE

### LUNAR SURFACE VEHICLES-(CONT.)

- . LUNAR SURFACE VEHICLES
- . LUNAR MOBILE LABORATORIES
- . LUNAR ROVING VEHICLES
- . . . LUNOKHOD LUNAR ROVING VEHICLES
- . . . MANNED LUNAR SURFACE VEHICLES
- RT CRAWLER TRACTORS
- ∞ SURFACES
- ∞ VEHICLES
- WALKING MACHINES

### LUNAR TEMPERATURE

- GS TEMPERATURE
- . LUNAR TEMPERATURE
- RT HIGH TEMPERATURE ENVIRONMENTS
- LOW TEMPERATURE ENVIRONMENTS
- MOON
- SELENOLOGY

### LUNAR TIDES

- GS LUNAR EFFECTS
- . LUNAR TIDES
- TIDES
- RT . LUNAR TIDES
- ATMOSPHERIC TIDES
- EARTH TIDES
- MOONQUAKES
- SELENOLOGY

### LUNAR TOPOGRAPHY

- GS TOPOGRAPHY
- . LUNAR TOPOGRAPHY
- RT MOON
- SELENOGRAPHY
- SELENOLOGY
- SURFACE PROPERTIES
- SURFACE ROUGHNESS

### LUNAR TRAJECTORIES

- GS TRAJECTORIES
- . SPACECRAFT TRAJECTORIES
- . . LUNAR TRAJECTORIES
- . . . CIRCUMLUNAR TRAJECTORIES
- . . . EARTH-MOON TRAJECTORIES
- . . . MOON-EARTH TRAJECTORIES
- RT PARKING ORBITS
- TRANSFER ORBITS

### LUNATION

- USE MONTH

### LUNEBERG LENSES

- USE RADAR CORNER REFLECTORS

### LUNG MORPHOLOGY

- GS MORPHOLOGY
- . LUNG MORPHOLOGY
- RT ALVEOLI
- PULMONARY LESIONS
- RESPIRATORY DISEASES

### LUNGS

- GS ANATOMY
- . RESPIRATORY SYSTEM
- . . LUNGS
- . . . ALVEOLI
- RT ALVEOLAR AIR
- ATELECTASIS
- BRONCHI
- PLEURAE
- PNEUMOGRAPHY
- PNEUMOTHORAX
- PULMONARY CIRCULATION
- PULMONARY FUNCTIONS
- PULMONARY LESIONS
- SPIROMETERS

### LUNIK LUNAR PROBES

- UF LUNA LUNAR PROBES
- GS LUNAR SPACECRAFT
- . LUNAR PROBES
- . . LUNIK LUNAR PROBES
- . . . LUNIK 2 LUNAR PROBE
- . . . LUNIK 3 LUNAR PROBE
- . . . LUNIK 9 LUNAR PROBE
- . . . LUNIK 10 LUNAR PROBE
- . . . LUNIK 11 LUNAR PROBE
- . . . LUNIK 12 LUNAR PROBE
- . . . LUNIK 13 LUNAR PROBE
- . . . LUNIK 14 LUNAR PROBE
- . . . LUNIK 16 LUNAR PROBE
- . . . LUNIK 17 LUNAR PROBE

### LUNIK LUNAR PROBES-(CONT.)

- . . . LUNIK 19 LUNAR PROBE
- . . . LUNIK 20 LUNAR PROBE
- . . . LUNIK 22 LUNAR PROBE
- SOVIET SPACECRAFT
- . LUNIK LUNAR PROBES
- . . LUNIK 2 LUNAR PROBE
- . . LUNIK 3 LUNAR PROBE
- . . LUNIK 9 LUNAR PROBE
- . . LUNIK 10 LUNAR PROBE
- . . LUNIK 11 LUNAR PROBE
- . . LUNIK 12 LUNAR PROBE
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- . . LUNIK 14 LUNAR PROBE
- . . LUNIK 16 LUNAR PROBE
- . . LUNIK 17 LUNAR PROBE
- . . LUNIK 19 LUNAR PROBE
- . . LUNIK 20 LUNAR PROBE
- . . LUNIK 22 LUNAR PROBE
- UNMANNED SPACECRAFT
- . SPACE PROBES
- . . LUNAR PROBES
- . . . LUNIK LUNAR PROBES
- . . . . LUNIK 2 LUNAR PROBE
- . . . . LUNIK 3 LUNAR PROBE
- . . . . LUNIK 9 LUNAR PROBE
- . . . . LUNIK 10 LUNAR PROBE
- . . . . LUNIK 11 LUNAR PROBE
- . . . . LUNIK 12 LUNAR PROBE
- . . . . LUNIK 13 LUNAR PROBE
- . . . . LUNIK 14 LUNAR PROBE
- . . . . LUNIK 16 LUNAR PROBE
- . . . . LUNIK 17 LUNAR PROBE
- . . . . LUNIK 19 LUNAR PROBE
- . . . . LUNIK 20 LUNAR PROBE
- . . . . LUNIK 22 LUNAR PROBE
- RT LUNOKHOD LUNAR ROVING VEHICLES
- U.S.S.R. SPACE PROGRAM

### LUNIK 2 LUNAR PROBE

- GS LUNAR SPACECRAFT
- . LUNAR PROBES
- . . LUNIK LUNAR PROBES
- . . . LUNIK 2 LUNAR PROBE
- SOVIET SPACECRAFT
- . LUNIK LUNAR PROBES
- . . LUNIK 2 LUNAR PROBE
- UNMANNED SPACECRAFT
- . SPACE PROBES
- . . LUNAR PROBES
- . . . LUNIK LUNAR PROBES
- . . . . LUNIK 2 LUNAR PROBE

### LUNIK 3 LUNAR PROBE

- GS LUNAR SPACECRAFT
- . LUNAR PROBES
- . . LUNIK LUNAR PROBES
- . . . LUNIK 3 LUNAR PROBE
- SOVIET SPACECRAFT
- . LUNIK LUNAR PROBES
- . . LUNIK 3 LUNAR PROBE
- UNMANNED SPACECRAFT
- . SPACE PROBES
- . . LUNAR PROBES
- . . . LUNIK LUNAR PROBES
- . . . . LUNIK 3 LUNAR PROBE

### LUNIK 9 LUNAR PROBE

- GS LUNAR SPACECRAFT
- . LUNAR PROBES
- . . LUNIK LUNAR PROBES
- . . . LUNIK 9 LUNAR PROBE
- SOVIET SPACECRAFT
- . LUNIK LUNAR PROBES
- . . LUNIK 9 LUNAR PROBE
- UNMANNED SPACECRAFT
- . SPACE PROBES
- . . LUNAR PROBES
- . . . LUNIK LUNAR PROBES
- . . . . LUNIK 9 LUNAR PROBE

### LUNIK 10 LUNAR PROBE

- GS LUNAR SPACECRAFT
- . LUNAR PROBES
- . . LUNIK LUNAR PROBES
- . . . LUNIK 10 LUNAR PROBE
- SOVIET SPACECRAFT
- . LUNIK LUNAR PROBES
- . . LUNIK 10 LUNAR PROBE
- UNMANNED SPACECRAFT
- . SPACE PROBES
- . . LUNAR PROBES
- . . . LUNIK LUNAR PROBES
- . . . . LUNIK 10 LUNAR PROBE

### LUNIK 11 LUNAR PROBE

- GS LUNAR SPACECRAFT
- . LUNAR PROBES
- . . LUNIK LUNAR PROBES
- . . . LUNIK 11 LUNAR PROBE
- SOVIET SPACECRAFT
- . LUNIK LUNAR PROBES
- . . LUNIK 11 LUNAR PROBE
- UNMANNED SPACECRAFT
- . SPACE PROBES
- . . LUNAR PROBES
- . . . LUNIK LUNAR PROBES
- . . . . LUNIK 11 LUNAR PROBE

### LUNIK 12 LUNAR PROBE

- GS LUNAR SPACECRAFT
- . LUNAR PROBES
- . . LUNIK LUNAR PROBES
- . . . LUNIK 12 LUNAR PROBE
- SOVIET SPACECRAFT
- . LUNIK LUNAR PROBES
- . . LUNIK 12 LUNAR PROBE
- UNMANNED SPACECRAFT
- . SPACE PROBES
- . . LUNAR PROBES
- . . . LUNIK LUNAR PROBES
- . . . . LUNIK 12 LUNAR PROBE

### LUNIK 13 LUNAR PROBE

- GS LUNAR SPACECRAFT
- . LUNAR PROBES
- . . LUNIK LUNAR PROBES
- . . . LUNIK 13 LUNAR PROBE
- SOVIET SPACECRAFT
- . LUNIK LUNAR PROBES
- . . LUNIK 13 LUNAR PROBE
- UNMANNED SPACECRAFT
- . SPACE PROBES
- . . LUNAR PROBES
- . . . LUNIK LUNAR PROBES
- . . . . LUNIK 13 LUNAR PROBE

### LUNIK 14 LUNAR PROBE

- GS LUNAR SPACECRAFT
- . LUNAR PROBES
- . . LUNIK LUNAR PROBES
- . . . LUNIK 14 LUNAR PROBE
- SOVIET SPACECRAFT
- . LUNIK LUNAR PROBES
- . . LUNIK 14 LUNAR PROBE
- UNMANNED SPACECRAFT
- . SPACE PROBES
- . . LUNAR PROBES
- . . . LUNIK LUNAR PROBES
- . . . . LUNIK 14 LUNAR PROBE

### LUNIK 16 LUNAR PROBE

- GS LUNAR SPACECRAFT
- . LUNAR PROBES
- . . LUNIK LUNAR PROBES
- . . . LUNIK 16 LUNAR PROBE
- SOVIET SPACECRAFT
- . LUNIK LUNAR PROBES
- . . LUNIK 16 LUNAR PROBE
- UNMANNED SPACECRAFT
- . SPACE PROBES
- . . LUNAR PROBES
- . . . LUNIK LUNAR PROBES
- . . . . LUNIK 16 LUNAR PROBE

### LUNIK 17 LUNAR PROBE

- GS LUNAR SPACECRAFT
- . LUNAR PROBES
- . . LUNIK LUNAR PROBES
- . . . LUNIK 17 LUNAR PROBE
- SOVIET SPACECRAFT
- . LUNIK LUNAR PROBES
- . . LUNIK 17 LUNAR PROBE
- UNMANNED SPACECRAFT
- . SPACE PROBES
- . . LUNAR PROBES
- . . . LUNIK LUNAR PROBES
- . . . . LUNIK 17 LUNAR PROBE

### LUNIK 19 LUNAR PROBE

- GS LUNAR SPACECRAFT
- . LUNAR PROBES
- . . LUNIK LUNAR PROBES
- . . . LUNIK 19 LUNAR PROBE
- SOVIET SPACECRAFT
- . LUNIK LUNAR PROBES
- . . LUNIK 19 LUNAR PROBE
- UNMANNED SPACECRAFT
- . SPACE PROBES
- . . LUNAR PROBES

**LUNIK 19 LUNAR PROBE-(CONT.)**

... LUNIK LUNAR PROBES  
 ... **LUNIK 19 LUNAR PROBE**  
 RT U.S.S.R. SPACE PROGRAM

**LUNIK 20 LUNAR PROBE**

GS LUNAR SPACECRAFT  
 . LUNAR PROBES  
 . LUNIK LUNAR PROBES  
 . **LUNIK 20 LUNAR PROBE**  
 SOVIET SPACECRAFT  
 . LUNIK LUNAR PROBES  
 . **LUNIK 20 LUNAR PROBE**  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . LUNAR PROBES  
 . LUNIK LUNAR PROBES  
 . **LUNIK 20 LUNAR PROBE**

**LUNIK 22 LUNAR PROBE**

GS LUNAR SPACECRAFT  
 . LUNAR PROBES  
 . LUNIK LUNAR PROBES  
 . **LUNIK 22 LUNAR PROBE**  
 SOVIET SPACECRAFT  
 . LUNIK LUNAR PROBES  
 . **LUNIK 22 LUNAR PROBE**  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . LUNAR PROBES  
 . LUNIK LUNAR PROBES  
 . **LUNIK 22 LUNAR PROBE**  
 RT U.S.S.R. SPACE PROGRAM

**LUNOKHOD LUNAR ROVING VEHICLES**

GS SURFACE VEHICLES  
 . LUNAR SURFACE VEHICLES  
 . LUNAR ROVING VEHICLES  
 . **LUNOKHOD LUNAR ROVING VEHICLES**  
 . ROVING VEHICLES  
 . LUNAR ROVING VEHICLES  
 . **LUNOKHOD LUNAR ROVING VEHICLES**  
 RT LUNIK LUNAR PROBES  
 U.S.S.R. SPACE PROGRAM  
 ∞ VEHICLES

**LUSTER**

UF DULLNESS  
 RT BRIGHTNESS  
 FINISHES  
 GLARE  
 REFLECTANCE

**LUTETIUM**

GS CHEMICAL ELEMENTS  
 . NUCLIDES  
 . ISOTOPES  
 . **LUTETIUM**  
 . LUTETIUM ISOTOPES  
 . RARE EARTH ELEMENTS  
 . **LUTETIUM**  
 . LUTETIUM ISOTOPES  
 METALS  
 . RARE EARTH ELEMENTS  
 . **LUTETIUM**  
 . LUTETIUM ISOTOPES

**LUTETIUM COMPOUNDS**

GS RARE EARTH COMPOUNDS  
 . **LUTETIUM COMPOUNDS**  
 RT ∞ CHEMICAL COMPOUNDS  
 ∞ METAL COMPOUNDS

**LUTETIUM ISOTOPES**

UF LUTETIUM 176  
 GS CHEMICAL ELEMENTS  
 . NUCLIDES  
 . ISOTOPES  
 . LUTETIUM  
 . **LUTETIUM ISOTOPES**  
 . RARE EARTH ELEMENTS  
 . LUTETIUM  
 . **LUTETIUM ISOTOPES**  
 METALS  
 . RARE EARTH ELEMENTS  
 . LUTETIUM  
 . **LUTETIUM ISOTOPES**

**LUTETIUM 176**

USE LUTETIUM ISOTOPES

**LUXEMBOURG**

GS NATIONS  
 . **LUXEMBOURG**  
 RT EUROPE

**LUXEMBOURG EFFECT**

RT ∞ EFFECTS  
 IONOSPHERIC CROSS MODULATION  
 IONOSPHERIC PROPAGATION

**LYAPUNOV FUNCTIONS**

USE LIAPUNOV FUNCTIONS

**LYMAN ALPHA RADIATION**

GS ELECTROMAGNETIC RADIATION  
 . ULTRAVIOLET RADIATION  
 . FAR ULTRAVIOLET RADIATION  
 . **LYMAN ALPHA RADIATION**  
 IONIZING RADIATION  
 . ULTRAVIOLET RADIATION  
 . FAR ULTRAVIOLET RADIATION  
 . **LYMAN ALPHA RADIATION**  
 RT ATOMIC SPECTRA  
 EXTRATERRESTRIAL RADIATION  
 POLARIZED ELECTROMAGNETIC RADIATION  
 ∞ RADIATION  
 ULTRAVIOLET ASTRONOMY

**LYMAN BETA RADIATION**

GS ELECTROMAGNETIC RADIATION  
 . ULTRAVIOLET RADIATION  
 . FAR ULTRAVIOLET RADIATION  
 . **LYMAN BETA RADIATION**  
 IONIZING RADIATION  
 . ULTRAVIOLET RADIATION  
 . FAR ULTRAVIOLET RADIATION  
 . **LYMAN BETA RADIATION**  
 RT ATOMIC SPECTRA  
 EXTRATERRESTRIAL RADIATION  
 POLARIZED ELECTROMAGNETIC RADIATION  
 ∞ RADIATION  
 ULTRAVIOLET ASTRONOMY

**LYMAN SPECTRA**

GS SPECTRA  
 . RADIATION SPECTRA  
 . ELECTROMAGNETIC SPECTRA  
 . LINE SPECTRA  
 . **LYMAN SPECTRA**  
 RT ATOMIC SPECTRA  
 ELECTRONIC SPECTRA  
 EMISSION SPECTRA  
 H LINES  
 SOLAR SPECTRA  
 SPECTRAL THEORY  
 ULTRAVIOLET SPECTRA

**LYMPH**

GS BODY FLUIDS  
 . **LYMPH**  
 RT LYMPHOCYTES

**LYMPHOCYTES**

GS CELLS (BIOLOGY)  
 . BLOOD CELLS  
 . LEUKOCYTES  
 . **LYMPHOCYTES**  
 RT IMMUNE SYSTEMS  
 LYMPH

**LYOPHILIZATION**

USE COLLOIDING

**LYOPHILS**

USE COLLOIDS

**LYRA CONSTELLATION**

GS CONSTELLATIONS  
 . **LYRA CONSTELLATION**  
 RT CELESTIAL BODIES  
 CELESTIAL SPHERE  
 STARS

**LYSERGAMIDE**

GS NITROGEN COMPOUNDS  
 . AMIDES  
 . **LYSERGAMIDE**  
 RT DRUGS

**LYSERGINE**

GS BASES (CHEMICAL)  
 . ALKALOIDS

**LYSERGINE-(CONT.)**

... **LYSERGINE**  
 NITROGEN COMPOUNDS  
 . ALKALOIDS  
 . **LYSERGINE**  
 ORGANIC COMPOUNDS  
 . CYCLIC COMPOUNDS  
 . HETEROCYCLIC COMPOUNDS  
 . ALKALOIDS  
 . **LYSERGINE**

**LYSIMETERS**

RT GROUND WATER  
 MOISTURE CONTENT  
 PERCOLATION  
 SOIL MOISTURE  
 SOILS  
 WATER BALANCE  
 WATER POLLUTION

**LYSINE**

GS ACIDS  
 . AMINO ACIDS  
 . **LYSINE**  
 . CARBOXYLIC ACIDS  
 . **LYSINE**  
 ORGANIC COMPOUNDS  
 . AMINO ACIDS  
 . **LYSINE**  
 . CARBOXYLIC ACIDS  
 . **LYSINE**  
 RT DIGESTING  
 LYSOGENESIS

**LYSOGENESIS**

RT DISINTEGRATION  
 LYSINE

**LYSOSOMES**

GS ORGANELLES  
 . **LYSOSOMES**  
 RT CELLS (BIOLOGY)  
 CYTOLOGY  
 ENZYME ACTIVITY  
 LYSOZYME

**LYSOZYME**

GS BIOPOLYMERS  
 . PROTEINS  
 . ENZYMES  
 . **LYSOZYME**  
 ORGANIC COMPOUNDS  
 . PROTEINS  
 . ENZYMES  
 . **LYSOZYME**  
 RT BODY FLUIDS  
 LYSOSOMES

**LZEEBE SATELLITE**

UF EARTH ENERGY BUDGET EXPERIMENT  
 LONG TERM ZONAL EARTH ENERGY  
 EXPERIMENT  
 ZONAL EARTH ENERGY BUDGET  
 EXPERIMENT  
 GS ARTIFICIAL SATELLITES  
 SCIENTIFIC SATELLITES  
 . **LZEEBE SATELLITE**

**M****M REGION**

GS REGIONS  
 . **M REGION**  
 RT GEOMAGNETISM  
 SOLAR ATMOSPHERE  
 SOLAR CORPUSCULAR RADIATION  
 SOLAR WIND

**M STARS**

GS CELESTIAL BODIES  
 . STARS  
 . LATE STARS  
 . COOL STARS  
 . **M STARS**  
 . VAN BIESBROECK STAR  
 RT ASYMPTOTIC GIANT BRANCH STARS  
 FLARE STARS  
 GIANT STARS  
 MAIN SEQUENCE STARS  
 MIRA VARIABLES  
 RED GIANT STARS

## M WINGS

### M STARS-(CONT.)

S STARS  
SUBGIANT STARS  
SUPERGIANT STARS  
SYMBIOTIC STARS

### M WINGS

USE VARIABLE SWEEP WINGS

### M-1 ENGINE

UF AJ-1000 ENGINE  
GS ENGINES  
ROCKET ENGINES  
BOOSTER ROCKET ENGINES  
M-1 ENGINE  
LIQUID PROPELLANT ROCKET ENGINES  
HYDROGEN OXYGEN ENGINES  
M-1 ENGINE  
RT NOVA LAUNCH VEHICLES  
SATURN 1 LAUNCH VEHICLES  
SATURN 1B LAUNCH VEHICLES

### M-2 LIFTING BODY

GS LIFTING BODIES  
LIFTING REENTRY VEHICLES  
M-2 LIFTING BODY  
M-2F2 LIFTING BODY  
REENTRY VEHICLES  
MANEUVERABLE REENTRY BODIES  
LIFTING REENTRY VEHICLES  
M-2 LIFTING BODY  
M-2F2 LIFTING BODY

### M-2F2 LIFTING BODY

GS LIFTING BODIES  
LIFTING REENTRY VEHICLES  
M-2 LIFTING BODY  
M-2F2 LIFTING BODY  
REENTRY VEHICLES  
MANEUVERABLE REENTRY BODIES  
LIFTING REENTRY VEHICLES  
M-2 LIFTING BODY  
M-2F2 LIFTING BODY

### M-2F3 LIFTING BODY

GS LIFTING BODIES  
M-2F3 LIFTING BODY

### M-46 ENGINE

GS ENGINES  
ROCKET ENGINES  
SOLID PROPELLANT ROCKET ENGINES  
M-46 ENGINE  
RT FALCON MISSILE

### M-55 ENGINE

GS ENGINES  
ROCKET ENGINES  
BOOSTER ROCKET ENGINES  
M-55 ENGINE  
SOLID PROPELLANT ROCKET ENGINES  
M-55 ENGINE  
RT MINUTEMAN ICBM

### M-56 ENGINE

GS ENGINES  
ROCKET ENGINES  
SOLID PROPELLANT ROCKET ENGINES  
M-56 ENGINE  
RT MINUTEMAN ICBM

### M-57 ENGINE

GS ENGINES  
ROCKET ENGINES  
SOLID PROPELLANT ROCKET ENGINES  
M-57 ENGINE  
RT MINUTEMAN ICBM

### M-100 ENGINE

GS ENGINES  
ROCKET ENGINES  
M-100 ENGINE

### MA-2 ENGINE

GS ENGINES  
ROCKET ENGINES  
BOOSTER ROCKET ENGINES  
MA-2 ENGINE

### MA-2 ENGINE-(CONT.)

LIQUID PROPELLANT ROCKET ENGINES  
MA-2 ENGINE  
RT ATLAS ICBM  
VERNIER ENGINES

### MA-2 MISSION

USE MERCURY MA-2 FLIGHT

### MA-3 ENGINE

GS ENGINES  
ROCKET ENGINES  
BOOSTER ROCKET ENGINES  
MA-3 ENGINE  
LIQUID PROPELLANT ROCKET ENGINES  
MA-3 ENGINE  
RT ATLAS ICBM  
VERNIER ENGINES

### MA-3 FLIGHT

USE MERCURY MA-3 FLIGHT

### MA-4 FLIGHT

USE MERCURY MA-4 FLIGHT

### MA-5 ENGINE

GS ENGINES  
ROCKET ENGINES  
BOOSTER ROCKET ENGINES  
MA-5 ENGINE  
LIQUID PROPELLANT ROCKET ENGINES  
MA-5 ENGINE  
RT ATLAS LAUNCH VEHICLES  
ATLAS SLV-3 LAUNCH VEHICLE  
VERNIER ENGINES

### MA-5 FLIGHT

USE MERCURY MA-5 FLIGHT

### MA-8 FLIGHT

USE MERCURY MA-8 FLIGHT

### MA-9 FLIGHT

USE MERCURY MA-9 FLIGHT

### MAARS

USE CRATERS

### MACE MISSILES

GS MISSILES  
SURFACE TO SURFACE MISSILES  
MACE MISSILES  
RT BOOSTER ROCKET ENGINES  
J-33 ENGINE  
SOLID PROPELLANT ROCKET ENGINES  
TURBOJET ENGINES

### MACH CONES

GS ELASTIC WAVES  
SHOCK WAVES  
MACH CONES  
RT ACOUSTIC VELOCITY  
BOW WAVES  
CONES  
HYPERSONIC SHOCK  
SOUND WAVES  
SUPERSONIC FLIGHT  
SUPERSONIC FLOW  
SUPERSONICS

### MACH INERTIA PRINCIPLE

GS INERTIA  
INERTIA PRINCIPLE  
MACH INERTIA PRINCIPLE  
RT EQUATIONS OF MOTION  
MOMENTS OF INERTIA

### MACH NUMBER

UF CRITICAL MACH NUMBER  
GLAUERT COEFFICIENT  
GS RATIOS  
DIMENSIONLESS NUMBERS  
MACH NUMBER  
RT ACOUSTIC VELOCITY  
AERODYNAMICS  
AIRSPEED  
SHOCK WAVES  
SUPERHARMONICS  
SWEEP ANGLE

### MACH REFLECTION

GS REFLECTION  
WAVE REFLECTION  
MACH REFLECTION  
RT SHOCK WAVES

### MACH-ZEHNDER INTERFEROMETERS

GS MEASURING INSTRUMENTS  
INTERFEROMETERS  
MACH-ZEHNDER INTERFEROMETERS  
RT AERODYNAMICS  
ARGON LASERS  
CARBON DIOXIDE LASERS  
DIFFRACTOMETERS  
GAS LASERS  
GONIOMETERS  
OPTICAL EQUIPMENT  
OPTICAL MEASURING INSTRUMENTS  
SCHLIEREN PHOTOGRAPHY

### MACHINE LEARNING

USE LEARNING MACHINES

### MACHINE LIFE

USE SERVICE LIFE

### MACHINE ORIENTED LANGUAGES

GS LANGUAGES  
PROGRAMMING LANGUAGES  
MACHINE ORIENTED LANGUAGES  
MARVS (PROGRAMMING LANGUAGE)  
SLEUTH (PROGRAMMING LANGUAGE)  
RT ALGOL  
ASSEMBLY LANGUAGE  
AUTOCODERS  
LANGUAGE PROGRAMMING  
PL/1

### MACHINE RECOGNITION

USE ARTIFICIAL INTELLIGENCE

### MACHINE STORAGE

USE COMPUTER STORAGE DEVICES  
CORE STORAGE

### MACHINE TOOLS

GS TOOLS  
MACHINE TOOLS  
BORING MACHINES  
GRINDING MACHINES  
LATHES  
TURRET LATHES  
MILLING MACHINES  
SHAPERS  
RT CUTTERS  
DIES  
DRILLS  
MACHINERY  
MACHINING  
MANDRELS  
MECHANICAL DEVICES  
MECHANICAL ENGINEERING  
METAL CUTTING  
NUMERICAL CONTROL  
PRESSES  
PUNCHES  
SAWS  
SHEARS  
TAPS  
ULTRASONIC CLEANING

### MACHINE TRANSLATION

GS LINGUISTICS  
MACHINE TRANSLATION  
TRANSLATING  
MACHINE TRANSLATION  
RT COMPUTER PROGRAMS  
INFORMATION THEORY  
LANGUAGE PROGRAMMING  
LANGUAGES

### MACHINE-INDEPENDENT PROGRAMS

GS COMPUTER PROGRAMS  
MACHINE-INDEPENDENT PROGRAMS  
RT COMPUTER PROGRAMMING  
COMPUTERS  
MULTIPROGRAMMING

### MACHINERY

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)

# MAGNESIUM COMPOUNDS

## MACHINERY-(CONT.)

RT BORING MACHINES  
COMPUTERS  
DRAFTING MACHINES  
ENGINES  
FATIGUE TESTING MACHINES  
GRINDING MACHINES  
GROUND EFFECT MACHINES  
IMPACT TESTING MACHINES  
LEARNING MACHINES  
LEVERS  
LOAD TESTING MACHINES  
MACHINE TOOLS  
MECHANICAL ENGINEERING  
MECHANISM  
MECHANIZATION  
MILLING MACHINES  
POSITIONING DEVICES (MACHINERY)  
REFRIGERATING MACHINERY  
ROTATING ELECTRICAL MACHINES  
SELF FOCUSING  
TEACHING MACHINES  
TIDE POWERED MACHINES  
TOOLS  
TURBOMACHINERY  
TURING MACHINES  
VIBRATION SIMULATORS  
WALKING MACHINES  
WATERWAVE POWERED MACHINES  
WELDING MACHINES  
WINDMILLS (WINDPOWERED MACHINES)

## MACHINING

UF MATERIAL REMOVAL (MACHINING)  
GS MACHINING  
CHEMICAL MACHINING  
ELECTROCHEMICAL MACHINING  
HOT MACHINING  
MILLING (MACHINING)  
SPARK MACHINING  
ULTRASONIC MACHINING  
RT CUT-OFF  
CUTTING  
DRILLING  
FINISHES  
FORMING TECHNIQUES  
GRINDING (MATERIAL REMOVAL)  
GROOVING  
KNURLING  
LASER CUTTING  
MACHINE TOOLS  
METAL CUTTING  
METAL WORKING  
PLANING  
RESIDUAL STRESS  
SETUPS  
SURFACE FINISHING  
SURFACE ROUGHNESS  
TOOLING  
V GROOVES

## MACLAURIN SERIES

UF MACLAURIN SERIES  
GS ANALYSIS (MATHEMATICS)  
CALCULUS  
SERIES (MATHEMATICS)  
POWER SERIES  
TAYLOR SERIES  
MACLAURIN SERIES  
REAL VARIABLES  
SERIES (MATHEMATICS)  
POWER SERIES  
TAYLOR SERIES  
MACLAURIN SERIES

## MACROCLIMATE

USE CLIMATE

## MACROMOLECULES

USE MOLECULES

## MACROPHAGES

GS CELLS (BIOLOGY)  
MACROPHAGES  
RT TISSUES (BIOLOGY)

## MACROSCOPIC EQUATIONS

RT EQUATIONS  
MEASUREMENT  
PROPERTIES  
STATISTICAL MECHANICS

## MACULAR VISION

USE VISION

## MADAGASCAR

USE MALAGASY REPUBLIC

## MAFFEI GALAXIES

GS CELESTIAL BODIES  
GALAXIES  
MAFFEI GALAXIES  
RT NEBULAE  
RADIO ASTRONOMY  
RADIO GALAXIES  
RADIO SOURCES (ASTRONOMY)  
SPIRAL GALAXIES

## MAGAZINES (SUPPLY CHAMBERS)

RT AMMUNITION  
PHOTOGRAPHIC FILM  
SPOOLS

## MAGDALENA-CAUCA VALLEY (COLOMBIA)

GS LANDFORMS  
MAGDALENA-CAUCA VALLEY (COLOMBIA)  
VALLEYS  
MAGDALENA-CAUCA VALLEY (COLOMBIA)  
RT COLOMBIA  
SOUTH AMERICA

## MAGELLAN MISSION (ESA)

USE MAGELLAN ULTRAVIOLET ASTRONOMY SATELLITE

## MAGELLAN PROJECT (NASA)

SN (DOES NOT INCLUDE THE MAGELLAN ULTRAVIOLET ASTRONOMY SATELLITE)  
UF VENUS RADAR MAPPER PROJECT  
GS PROGRAMS  
NASA PROGRAMS  
NASA SPACE PROGRAMS  
MAGELLAN PROJECT (NASA)  
PROJECTS  
MAGELLAN PROJECT (NASA)  
SPACE PROGRAMS  
NASA SPACE PROGRAMS  
MAGELLAN PROJECT (NASA)  
RT MAGELLAN SPACECRAFT (NASA)  
SPACE EXPLORATION  
SPACE MISSIONS  
VENUS ORBITING IMAGING RADAR (SPACECRAFT)  
VENUS PROBES  
VENUS SURFACE

## MAGELLAN SPACECRAFT (NASA)

SN (DOES NOT INCLUDE THE MAGELLAN ULTRAVIOLET ASTRONOMY SATELLITE)  
UF VENUS RADAR MAPPER  
GS INTERPLANETARY SPACECRAFT  
VENUS PROBES  
MAGELLAN SPACECRAFT (NASA)  
UNMANNED SPACECRAFT  
SPACE PROBES  
VENUS PROBES  
MAGELLAN SPACECRAFT (NASA)  
RT MAGELLAN PROJECT (NASA)  
RADAR IMAGERY  
SPACECRAFT  
SYNTHETIC APERTURE RADAR  
VENUS ORBITING IMAGING RADAR (SPACECRAFT)  
VENUS SURFACE

## MAGELLAN ULTRAVIOLET ASTRONOMY SATELLITE

UF MAGELLAN MISSION (ESA)  
GS ARTIFICIAL SATELLITES  
ESA SATELLITES  
MAGELLAN ULTRAVIOLET ASTRONOMY SATELLITE  
ESA SPACECRAFT  
ESA SATELLITES  
MAGELLAN ULTRAVIOLET ASTRONOMY SATELLITE  
OBSERVATORIES  
ASTRONOMICAL OBSERVATORIES  
ASTRONOMICAL SATELLITES  
MAGELLAN ULTRAVIOLET ASTRONOMY SATELLITE  
RT EXTREME ULTRAVIOLET RADIATION  
FAR ULTRAVIOLET RADIATION  
SPACEBORNE ASTRONOMY

## MAGELLANIC CLOUDS

GS CELESTIAL BODIES  
GALAXIES

## MAGELLANIC CLOUDS-(CONT.)

RT MAGELLANIC CLOUDS  
CLOUDS  
NEBULAE  
ORION NEBULA  
STAR CLUSTERS  
STARS  
SUPERNOVA 1987A

## MAGIC TEES

RT DUPLEXERS

## MAGMA

RT IGNEOUS ROCKS  
LAVA  
REGOLITH  
RHYOLITE  
ROCKS  
SOILS

## MAGNESIUM

GS CHEMICAL ELEMENTS  
MAGNESIUM  
MAGNESIUM ISOTOPES  
METALS  
MAGNESIUM  
MAGNESIUM ISOTOPES

## MAGNESIUM ALLOYS

GS ALLOYS  
LIGHT ALLOYS  
MAGNESIUM ALLOYS  
RT BISMUTH ALLOYS  
LITHIUM ALLOYS  
SILICON ALLOYS

## MAGNESIUM BROMIDES

GS HALOGEN COMPOUNDS  
BROMINE COMPOUNDS  
BROMIDES  
MAGNESIUM BROMIDES  
HALIDES  
BROMIDES  
MAGNESIUM BROMIDES  
METAL HALIDES  
MAGNESIUM BROMIDES  
MAGNESIUM COMPOUNDS  
MAGNESIUM BROMIDES

## MAGNESIUM CELLS

GS ELECTRIC GENERATORS  
DIRECT POWER GENERATORS  
PRIMARY BATTERIES  
DRY CELLS  
MAGNESIUM CELLS  
ELECTROCHEMICAL CELLS  
ELECTRIC BATTERIES  
PRIMARY BATTERIES  
DRY CELLS  
MAGNESIUM CELLS  
RT CHEMICAL AUXILIARY POWER UNITS  
ELECTROLYTIC POLARIZATION

## MAGNESIUM CHLORIDES

GS HALOGEN COMPOUNDS  
CHLORINE COMPOUNDS  
CHLORIDES  
MAGNESIUM CHLORIDES  
HALIDES  
CHLORIDES  
MAGNESIUM CHLORIDES  
MAGNESIUM COMPOUNDS  
MAGNESIUM CHLORIDES

## MAGNESIUM COMPOUNDS

GS MAGNESIUM COMPOUNDS  
BRUCITE  
CHLOROPHYLLS  
CORDIERITE  
DOLOMITE (MINERAL)  
ENSTATITE  
FORSTERITE  
MAGNESIUM BROMIDES  
MAGNESIUM CHLORIDES  
MAGNESIUM FLUORIDES  
MAGNESIUM GERMANATES  
MAGNESIUM GERMANIDES  
MAGNESIUM OXIDES  
AKERMANITE  
PERICLASE  
MAGNESIUM PERCHLORATES  
MAGNESIUM SULFATES  
HEXAHEDRITE  
MAGNESIUM TITANATES  
MERWINITE

## MAGNESIUM FLUORIDES

### MAGNESIUM COMPOUNDS-(CONT.)

- . MONTICELLITE
- . TALC
- RT  $\infty$  ALKALINE EARTH COMPOUNDS
- $\infty$  CHEMICAL COMPOUNDS
- $\infty$  METAL COMPOUNDS

### MAGNESIUM FLUORIDES

- GS HALOGEN COMPOUNDS
- . FLUORINE COMPOUNDS
- . FLUORIDES
- . . . METAL FLUORIDES
- . . . . **MAGNESIUM FLUORIDES**
- MAGNESIUM COMPOUNDS
- . **MAGNESIUM FLUORIDES**

### MAGNESIUM GERMANATES

- GS GERMANIUM COMPOUNDS
- . GERMANATES
- . . **MAGNESIUM GERMANATES**
- MAGNESIUM COMPOUNDS
- . **MAGNESIUM GERMANATES**

### MAGNESIUM GERMANIDES

- GS GERMANIUM COMPOUNDS
- . GERMANIDES
- . . **MAGNESIUM GERMANIDES**
- MAGNESIUM COMPOUNDS
- . **MAGNESIUM GERMANIDES**

### MAGNESIUM ISOTOPES

- GS CHEMICAL ELEMENTS
- . MAGNESIUM
- . . **MAGNESIUM ISOTOPES**
- METALS
- . MAGNESIUM
- . . **MAGNESIUM ISOTOPES**

### MAGNESIUM OXIDES

- GS CHALCOGENIDES
- . OXIDES
- . . METAL OXIDES
- . . . ALKALINE EARTH OXIDES
- . . . . **MAGNESIUM OXIDES**
- . . . . . AKERMANITE
- . . . . . PERICLASE
- MAGNESIUM COMPOUNDS
- . **MAGNESIUM OXIDES**
- . . AKERMANITE
- . . . PERICLASE

### MAGNESIUM PERCHLORATES

- GS HALOGEN COMPOUNDS
- . CHLORINE COMPOUNDS
- . . PERCHLORATES
- . . . **MAGNESIUM PERCHLORATES**
- MAGNESIUM COMPOUNDS
- . **MAGNESIUM PERCHLORATES**

### MAGNESIUM SULFATES

- GS MAGNESIUM COMPOUNDS
- . **MAGNESIUM SULFATES**
- . . HEXAHEDRITE
- SULFUR COMPOUNDS
- . SULFATES
- . . **MAGNESIUM SULFATES**
- . . . HEXAHEDRITE
- RT BLOEDITE

### MAGNESIUM TITANATES

- GS MAGNESIUM COMPOUNDS
- . **MAGNESIUM TITANATES**
- TITANIUM COMPOUNDS
- . TITANATES
- . . **MAGNESIUM TITANATES**

### MAGNESYN (TRADEMARK)

- USE SERVOMOTORS

### MAGNET COILS

- GS ELECTRIC COILS
- . MAGNETIC COILS
- . . **MAGNET COILS**
- RT  $\infty$  COILS
- ELECTROMAGNETISM
- ELECTROMAGNETS
- FIELD COILS
- INDUCTORS
- MAGNETIC CIRCUITS
- MAGNETIC CORES
- MAGNETIC ENERGY STORAGE
- MAGNETS
- SATURABLE REACTORS
- SOLENOIDS

### MAGNET COILS-(CONT.)

- SUPERCONDUCTING MAGNETS
- TOROIDS
- TRANSFORMERS
- WIRE WINDING
- YOKES

### MAGNETIC ABSORPTION

- USE ELECTROMAGNETIC ABSORPTION

### MAGNETIC AMPLIFIERS

- GS AMPLIFIERS
- . **MAGNETIC AMPLIFIERS**
- RT MAGNETOSTATIC AMPLIFIERS
- NONLINEARITY
- POWER AMPLIFIERS
- SATURABLE REACTORS
- VOLTAGE AMPLIFIERS

### MAGNETIC ANNULAR ARC

- RT  $\infty$  ARCS
- CURRENT DISTRIBUTION
- PLASMA ACCELERATORS
- PLASMA CONTROL
- PLASMA PROPULSION

### MAGNETIC ANNULAR SHOCK TUBES

- UF MAST SHOCK TUBES
- GS SHOCK WAVE GENERATORS
- . SHOCK TUBES
- . . **MAGNETIC ANNULAR SHOCK TUBES**

### MAGNETIC ANOMALIES

- UF GEOMAGNETIC ANOMALIES
- GS ANOMALIES
- . **MAGNETIC ANOMALIES**
- . . GEOMAGNETIC HOLLOW
- RT AEROMAGNETISM
- GEOMAGNETISM
- NONUNIFORM MAGNETIC FIELDS

### MAGNETIC BEARINGS

- GS BEARINGS
- . **MAGNETIC BEARINGS**
- RT LEVITATION
- MAGNETIC SUSPENSION

### MAGNETIC CHARGE DENSITY

- UF SCALAR MAGNETIC CHARGE
- GS DIVERGENCE
- . **MAGNETIC CHARGE DENSITY**
- RT  $\infty$  CHARGING
- CONSTITUTIVE EQUATIONS
- MAXWELL EQUATION

### MAGNETIC CIRCUITS

- GS CIRCUITS
- . **MAGNETIC CIRCUITS**
- RT FLUX (RATE)
- LINE OF FORCE
- MAGNET COILS
- $\infty$  NETWORKS
- SATURABLE REACTORS
- TRANSFORMERS

### MAGNETIC CLOUDS

- GS MAGNETIC FIELDS
- . **MAGNETIC CLOUDS**
- PARTICLES
- . CHARGED PARTICLES
- . . PLASMA CLOUDS
- . . . **MAGNETIC CLOUDS**
- RT  $\infty$  CLOUDS
- INTERPLANETARY MAGNETIC FIELDS
- INTERPLANETARY MEDIUM
- INTERSTELLAR GAS
- INTERSTELLAR MAGNETIC FIELDS
- MAGNETIC FIELD CONFIGURATIONS
- SOLAR CORONA
- SOLAR WIND
- STELLAR MASS EJECTION

### MAGNETIC COILS

- GS ELECTRIC COILS
- . **MAGNETIC COILS**
- . . FIELD COILS
- . . . MAGNET COILS
- RT  $\infty$  COILS
- ELECTROMAGNETIC HAMMERS
- ELECTROMAGNETISM
- FLUX PUMPS

### MAGNETIC COMPASSES

- GS MEASURING INSTRUMENTS

### MAGNETIC COMPASSES-(CONT.)

- . INDICATING INSTRUMENTS
- . . COMPASSES
- . . . **MAGNETIC COMPASSES**
- NAVIGATION AIDS
- . NAVIGATION INSTRUMENTS
- . . COMPASSES
- . . . **MAGNETIC COMPASSES**
- RT GYROCOMPASSES
- SOLAR COMPASSES

### MAGNETIC COMPRESSION

- RT COMPRESSING
- CONFINEMENT
- PLASMA CONTROL
- PLASMAS (PHYSICS)

### MAGNETIC CONTROL

- RT ATTITUDE CONTROL
- $\infty$  CONTROL

### MAGNETIC COOLING

- GS COOLING
- . **MAGNETIC COOLING**
- RT ABSORPTION COOLING
- ADIABATIC DEMAGNETIZATION COOLING
- LOW TEMPERATURE
- LOW TEMPERATURE ENVIRONMENTS
- REFRIGERATING

### MAGNETIC CORES

- GS COMPUTER STORAGE DEVICES
- . **MAGNETIC CORES**
- CORES
- . **MAGNETIC CORES**
- RT BUBBLE MEMORY DEVICES
- ELECTRIC COILS
- FERRITES
- FERROMAGNETISM
- LAMINATES
- MAGNET COILS
- MAGNETS
- PARAMETRONS
- SATURABLE REACTORS
- TOROIDS
- TRANSFORMERS

### MAGNETIC DIFFUSION

- SN (DIFFUSION VIA A MAGNETIC FIELD)
- GS DIFFUSION
- . **MAGNETIC DIFFUSION**
- RT FIELD STRENGTH

### MAGNETIC DIPOLES

- RT  $\infty$  DIPOLES
- ELECTRIC DIPOLES
- $\infty$  PHYSICAL PROPERTIES
- $\infty$  POLES

### MAGNETIC DISKS

- GS COMPUTER STORAGE DEVICES
- . **MAGNETIC DISKS**
- MAGNETIC STORAGE
- . **MAGNETIC DISKS**
- RT CORE STORAGE
- $\infty$  DISKS
- MEMORY (COMPUTERS)
- PERIPHERAL EQUIPMENT (COMPUTERS)
- VIDEO DISKS

### MAGNETIC DISPERSION

- RT  $\infty$  DISPERSION
- ELECTROMAGNETIC SCATTERING
- FERROMAGNETISM
- MAGNETIZATION
- WAVE SCATTERING

### MAGNETIC DISTURBANCES

- GS **MAGNETIC DISTURBANCES**
- . MAGNETIC STORMS
- RT AURORAS
- $\infty$  DISTURBANCES
- GEOMAGNETISM
- KP INDEX
- NONADIABATIC THEORY
- SOLAR ACTIVITY
- SOLAR ACTIVITY EFFECTS
- SOLAR FLARES
- SOLAR PLANETARY INTERACTIONS
- SOLAR TERRESTRIAL INTERACTIONS
- SOLAR WIND VELOCITY
- STARSPOTS
- STELLAR ACTIVITY
- SUDDEN IONOSPHERIC DISTURBANCES

## MAGNETIC MOMENTS

### MAGNETIC DISTURBANCES-(CONT.)

SUDDEN STORM COMMENCEMENTS  
SUNSPOTS

### MAGNETIC DOMAINS

GS DOMAINS  
. **MAGNETIC DOMAINS**  
RT BUBBLE MEMORY DEVICES  
BUBBLE TECHNIQUE  
DIPOLE MOMENTS  
DOMAIN WALL  
LINES OF FORCE

### MAGNETIC DRUMS

GS COMPUTER STORAGE DEVICES  
. **MAGNETIC DRUMS**  
MAGNETIC STORAGE  
. **MAGNETIC DRUMS**  
RT CORE STORAGE  
 $\infty$  DRUMS

### MAGNETIC EFFECTS

UF GEOMAGNETIC EFFECTS  
GS MAGNETIC PROPERTIES  
. **MAGNETIC EFFECTS**  
. . . MAGNETIC RIGIDITY  
RT  $\infty$  EFFECTS  
GEOMAGNETISM  
MAGNETOACTIVITY  
PLASMA COMPRESSION  
TEMPERATURE EFFECTS

### MAGNETIC ENERGY STORAGE

GS ENERGY STORAGE  
. **MAGNETIC ENERGY STORAGE**  
RT ENERGY TECHNOLOGY  
MAGNET COILS  
MAGNETIC FIELDS  
SUPERCONDUCTING MAGNETS

### MAGNETIC EQUATOR

UF GEOMAGNETIC EQUATOR  
GS EQUATORS  
. **MAGNETIC EQUATOR**  
RT GEOMAGNETISM  
 $\infty$  INCLINATION

### MAGNETIC FIELD CONFIGURATIONS

RT ASTROPHYSICS  
ELECTROMAGNETIC FIELDS  
FORCE-FREE MAGNETIC FIELDS  
HELICAL WINDINGS  
MAGNETIC CLOUDS  
MAGNETIC FIELD RECONNECTION  
PLASMA COMPRESSION  
PLASMA CONTROL  
PLASMA PHYSICS  
POLAR CUSPS  
POLOIDAL FLUX  
SPHEROMAKS  
STELLAR MAGNETIC FIELDS

### MAGNETIC FIELD INTENSITY

USE MAGNETIC FLUX

### MAGNETIC FIELD INVERSIONS

GS INVERSIONS  
. **MAGNETIC FIELD INVERSIONS**  
RT ELECTROMAGNETIC FIELDS  
ELECTROMAGNETISM  
ELECTROMECHANICS  
FIELD THEORY (PHYSICS)

### MAGNETIC FIELD RECONNECTION

GS MAGNETIC PROPERTIES  
. MAGNETOACTIVITY  
. . . **MAGNETIC FIELD RECONNECTION**  
RT INTERPLANETARY MAGNETIC FIELDS  
MAGNETIC FIELD CONFIGURATIONS  
MAGNETIC FIELDS  
MAGNETIC FLUX  
MAGNETOSPHERE-IONOSPHERE  
COUPLING  
SOLAR MAGNETIC FIELD  
SPACE PLASMAS

### MAGNETIC FIELDS

GS **MAGNETIC FIELDS**  
. BIOMAGNETISM  
. FORCE-FREE MAGNETIC FIELDS  
. GEOMAGNETISM  
. INTERPLANETARY MAGNETIC FIELDS  
. INTERSTELLAR MAGNETIC FIELDS  
. LUNAR MAGNETIC FIELDS

### MAGNETIC FIELDS-(CONT.)

. MAGNETIC CLOUDS  
. MAGNETOSTATIC FIELDS  
. NONUNIFORM MAGNETIC FIELDS  
. PALEOMAGNETISM  
. PLANETARY MAGNETIC FIELDS  
. STELLAR MAGNETIC FIELDS  
. . . SOLAR MAGNETIC FIELD  
. TRAPPED MAGNETIC FIELDS  
RT BERNSTEIN ENERGY PRINCIPLE  
BETA FACTOR  
CONJUGATE POINTS  
CONSTITUTIVE EQUATIONS  
CROSSED FIELDS  
DEMAGNETIZATION  
EARTH MAGNETOSPHERE  
ELECTRIC FIELDS  
ELECTROMAGNETIC ACCELERATION  
ELECTROMAGNETIC FIELDS  
ELECTROMAGNETISM  
ELECTROMECHANICS  
ELECTRON-HOLE DROPS  
FERROMAGNETIC RESONANCE  
FIELD EMISSION  
FIELD STRENGTH  
FIELD THEORY (PHYSICS)  
 $\infty$  FIELDS  
FLUX PUMPS  
GEOMAGNETIC TAIL  
HELIOS SATELLITES  
INTASAT SATELLITE  
 $\infty$  KERR EFFECTS  
LINES OF FORCE  
LORENTZ FORCE  
MAGNETIC ENERGY STORAGE  
MAGNETIC FIELD RECONNECTION  
MAGNETIZATION  
MAGNETO-OPTICS  
MAGNETOACTIVITY  
MAGNETOPLASMA DYNAMICS  
MAGNETORESISTIVITY  
MAGNETOSTATICS  
MAGNETS  
MULTIPOLAR FIELDS  
NONTHERMAL RADIATION  
PARTICLE ACCELERATION  
PINCH EFFECT  
POLAR CUSPS  
POLARITY  
RACETRACKS (PARTICLE  
ACCELERATORS)  
RADIATION BELTS  
SCREW PINCH  
SCYLLA  
SELF CONSISTENT FIELDS  
SQUARE WELLS  
SUHL EFFECT  
ZEEMAN EFFECT

### MAGNETIC FILMS

GS COATINGS  
. **MAGNETIC FILMS**  
RT  $\infty$  FILMS

### MAGNETIC FLUX

UF MAGNETIC FIELD INTENSITY  
GS FIELD STRENGTH  
. **MAGNETIC FLUX**  
RATES (PER TIME)  
. FLUX (RATE)  
. . . **MAGNETIC FLUX**  
RT BETA FACTOR  
CONSTITUTIVE EQUATIONS  
CURRENT SHEETS  
FLUX PINNING  
FLUX QUANTIZATION  
FORCE-FREE MAGNETIC FIELDS  
LINES OF FORCE  
MAGNETIC FIELD RECONNECTION  
PINNING

### MAGNETIC FORMING

GS FORMING TECHNIQUES  
. **MAGNETIC FORMING**  
METAL WORKING  
. **MAGNETIC FORMING**  
RT BULGING  
COLD WORKING  
DEEP DRAWING  
ELECTROMAGNETIC HAMMERS  
METAL DRAWING

### MAGNETIC INDUCTION

UF ELECTROMAGNETIC DEDUCTION  
GS MAGNETIC PROPERTIES

### MAGNETIC INDUCTION-(CONT.)

. **MAGNETIC INDUCTION**  
RT COUPLING COEFFICIENTS  
FLUX (RATE)  
INDUCTANCE  
 $\infty$  INDUCTION  
INDUCTION HEATING

### MAGNETIC INDUCTION PROBES

USE MAGNETIC PROBES

### MAGNETIC LENSES

UF QUADRUPOLE LENSES  
GS LENSES  
. **MAGNETIC LENSES**  
RT CATHODE RAY TUBES  
ELECTRON BEAMS  
ELECTRON GUNS  
ELECTRON MICROSCOPES  
ELECTRON MICROSCOPY  
PLASMA GUNS  
PLASMA JETS  
WIRE GRID LENSES

### MAGNETIC LEVITATION VEHICLES

GS SURFACE VEHICLES  
. **MAGNETIC LEVITATION VEHICLES**  
RT LEVITATION  
LIFT DEVICES  
MASS DRIVERS (PAYLOAD DELIVERY)  
RAIL TRANSPORTATION  
SUSPENSION SYSTEMS (VEHICLES)  
 $\infty$  VEHICLES

### MAGNETIC MATERIALS

UF MAGNETIC METALS  
GS **MAGNETIC MATERIALS**  
. FERRIMAGNETIC MATERIALS  
. FERROMAGNETIC MATERIALS  
. . . FERROFLUIDS  
. . . FERROMAGNETIC FILMS  
. . . MAGNETITE  
. . . PERMALLOYS (TRADEMARK)  
RT KONDO EFFECT  
MAGNETS  
 $\infty$  MATERIALS  
PERMANENT MAGNETS

### MAGNETIC MEASUREMENT

SN (MEASUREMENT OF MAGNETIC  
PROPERTIES, QUANTITIES OR  
CONDITIONS)  
UF FLUXMETERS  
MAGNETOMETRY  
RT ELECTROMAGNETIC MEASUREMENT  
MAGNETOMETERS  
 $\infty$  MATERIALS TESTS  
 $\infty$  MEASUREMENT  
SQUID (DETECTORS)

### MAGNETIC MEMORIES

USE MAGNETIC STORAGE

### MAGNETIC METALS

USE MAGNETIC MATERIALS  
METALS

### MAGNETIC MIRRORS

GS MIRRORS  
. **MAGNETIC MIRRORS**  
. . . TANDEM MIRRORS  
RT LINES OF FORCE  
MIRROR FUSION  
MIRROR POINT  
NONUNIFORM MAGNETIC FIELDS  
NUCLEAR FUSION  
PLASMA CONTROL  
PLASMA EQUILIBRIUM  
Q DEVICES  
SCYLLA  
SPHEROMAKS

### MAGNETIC MOMENTS

GS MAGNETIC PROPERTIES  
. **MAGNETIC MOMENTS**  
MOMENTS  
. DIPOLE MOMENTS  
. . . **MAGNETIC MOMENTS**  
RT BOHR MAGNETON  
ELECTRIC MOMENTS  
LANGEVIN FORMULA  
QUENCHING (ATOMIC PHYSICS)

## MAGNETIC MONOPOLES

### MAGNETIC MONOPOLES

- GS MONOPOLES
  - . MAGNETIC MONOPOLES
  - PARTICLES
    - . ELEMENTARY PARTICLES
    - . . . MAGNETIC MONOPOLES
- RT QUANTUM THEORY

### MAGNETIC PERMEABILITY

- UF MAGNETIC SUSCEPTIBILITY
- SUSCEPTIBILITY (MAGNETISM)
- GS MAGNETIC PROPERTIES
  - . MAGNETIC PERMEABILITY
- RT CURIE-WEISS LAW
- DIELECTRIC PERMEABILITY
- HYSTERESIS
- NEEL TEMPERATURE
- RELUCTANCE

### MAGNETIC PISTONS

- GS PISTONS
  - . MAGNETIC PISTONS
- RT HYPERSONIC WIND TUNNELS
- HYPERVELOCITY WIND TUNNELS
- SHOCK TUBES
- SHOCK WAVE GENERATORS

### MAGNETIC POLES

- RT AURORAL ZONES
  - ∞ DIPOLES
  - GEOMAGNETISM
  - POLARITY
  - ∞ POLES

### MAGNETIC PROBES

- UF MAGNETIC INDUCTION PROBES
- GS MEASURING INSTRUMENTS
  - . MAGNETIC PROBES
- RT MAGNETOMETERS
- RESONANCE PROBES
- SPACE PROBES

### MAGNETIC PROPERTIES

- GS MAGNETIC PROPERTIES
  - . ANTIFERROMAGNETISM
  - . BIOMAGNETISM
  - . CURIE TEMPERATURE
  - . DIAMAGNETISM
  - . FERRIMAGNETISM
  - . FERROMAGNETISM
  - . GEOMAGNETISM
  - . GYROMAGNETISM
  - . . . GYROFREQUENCY
  - . MAGNETIC EFFECTS
  - . . . MAGNETIC RIGIDITY
  - . MAGNETIC INDUCTION
  - . MAGNETIC MOMENTS
  - . MAGNETIC PERMEABILITY
  - . MAGNETIC RELAXATION
  - . . . SPIN-LATTICE RELAXATION
  - . MAGNETIC SUSPENSION
  - . MAGNETOACOUSTICS
  - . MAGNETOACTIVITY
  - . . . MAGNETIC FIELD RECONNECTION
  - . . . MAGNETORESISTIVITY
  - . MAGNETOSTRICTION
  - . PALEOMAGNETISM
  - . PARAMAGNETISM
  - . POLARIZATION CHARACTERISTICS
  - . RELUCTANCE
  - . REMANENCE
  - . THERMOMAGNETIC EFFECTS
- RT COERCIVITY
- CURIE-WEISS LAW
- DIPOLE MOMENTS
- EDDY CURRENTS
- ELECTRICAL PROPERTIES
- ELECTROMAGNETIC PROPERTIES
- ELECTROMAGNETISM
- FERRITIC STAINLESS STEELS
- FIELD STRENGTH
- HYSTERESIS
- INDUCTANCE
- KP INDEX
- LINE OF FORCE
- MAGNETIZATION
- MAGNETOMECHANICS (PHYSICS)
- MAGNETS
- MAXWELL EQUATION
- ∞ PHYSICAL PROPERTIES
- POLARIZATION (SPIN ALIGNMENT)
- ∞ PROPERTIES
- ∞ SOLID STATE PHYSICS
- SPIN GLASS

### MAGNETIC PUMPING

- RT ELECTRON CYCLOTRON HEATING
- INDUCTION HEATING
- ION CYCLOTRON RADIATION
- KINETIC HEATING
- PLASMA HEATING
- ∞ PUMPING

### MAGNETIC RECORDING

- UF MAGNETIC TAPE RECORDERS
- GS RECORDING
  - . MAGNETIC RECORDING
- RT BUBBLE MEMORY DEVICES
- DATA RECORDING
- RECORDING HEADS

### MAGNETIC RELAXATION

- GS MAGNETIC PROPERTIES
  - . MAGNETIC RELAXATION
  - . . . SPIN-LATTICE RELAXATION
- RT RELAXATION (MECHANICS)

### MAGNETIC RESONANCE

- GS RESONANCE
  - . MAGNETIC RESONANCE
  - . . . FERROMAGNETIC RESONANCE
  - . . . NUCLEAR MAGNETIC RESONANCE
  - . . . . PROTON MAGNETIC RESONANCE
  - . . . . PROTON RESONANCE
  - . . . . PARAMAGNETIC RESONANCE
  - . . . . ELECTRON PARAMAGNETIC RESONANCE
- RT NUCLEAR SPIN
- OVERHAUSER EFFECT
- SPECTRUM ANALYSIS

### MAGNETIC RIGIDITY

- UF GYROINTERACTION
- GS MAGNETIC PROPERTIES
  - . MAGNETIC EFFECTS
  - . . . MAGNETIC RIGIDITY
- RT ELECTRON TRAJECTORIES
- IONOSPHERIC DRIFT
- PARTICLE MASS
- PARTICLE MOTION
- ∞ RIGIDITY

### MAGNETIC SHIELDING

- GS SHIELDING
  - . MAGNETIC SHIELDING
- RT ELECTROMAGNETIC SHIELDING
- MAGNETOMETERS
- RADIATION SHIELDING

### MAGNETIC SIGNALS

- RT NUCLEAR MAGNETIC RESONANCE
- SIGNAL MIXING
- ∞ SIGNALS

### MAGNETIC SIGNATURES

- UF MAGNETOGRAMS
- GS SIGNATURES
  - . MAGNETIC SIGNATURES
- RT PATTERN REGISTRATION

### MAGNETIC SPECTROSCOPY

- GS SPECTROSCOPY
  - . MAGNETIC SPECTROSCOPY
- RT GAS SPECTROSCOPY
- MASS SPECTROSCOPY
- SPECTROSCOPIC ANALYSIS
- VACUUM SPECTROSCOPY

### MAGNETIC STARS

- GS CELESTIAL BODIES
  - . STARS
  - . . . MAGNETIC STARS
- RT PECULIAR STARS

### MAGNETIC STORAGE

- UF MAGNETIC MEMORIES
- GS MAGNETIC STORAGE
  - . BUBBLE MEMORY DEVICES
  - . CORE STORAGE
  - . MAGNETIC DISKS
  - . MAGNETIC DRUMS
- RT COMPUTER STORAGE DEVICES
- DATA RECORDING
- DATA STORAGE
- ∞ DRUMS
- PARAMETRONS
- ∞ STORAGE
- VIRTUAL MEMORY SYSTEMS

### MAGNETIC STORMS

- UF GEOMAGNETIC STORMS
- MAGNETIC SUBSTORMS
- GS MAGNETIC DISTURBANCES
  - . MAGNETIC STORMS
- STORMS
  - . MAGNETIC STORMS
- RT DAWN CHORUS
- FORBUSH DECREASES
- NOISE STORMS
- SOLAR STORMS
- SOLAR TERRESTRIAL INTERACTIONS
- SPREAD F
- SUDDEN IONOSPHERIC DISTURBANCES
- SUDDEN STORM COMMENCEMENTS

### MAGNETIC SUBSTORMS

- USE MAGNETIC STORMS

### MAGNETIC SURVEYS

- UF MAGNETOTELLURIC PROFILING
- RT AEROMAGNETISM
- GEOMAGNETISM

### MAGNETIC SUSCEPTIBILITY

- USE MAGNETIC PERMEABILITY

### MAGNETIC SUSPENSION

- GS MAGNETIC PROPERTIES
  - . MAGNETIC SUSPENSION
- SUSPENDING (HANGING)
  - . MAGNETIC SUSPENSION
- RT ANNULAR SUSPENSION AND POINTING
- SYSTEM
- LEVITATION MELTING
- MAGNETIC BEARINGS

### MAGNETIC SWITCHING

- GS SWITCHING
  - . MAGNETIC SWITCHING
- RT ANTIFERROMAGNETISM
- BEAM SWITCHING
- BUBBLE MEMORY DEVICES
- SATURABLE REACTORS

### MAGNETIC TAPE RECORDERS

- USE MAGNETIC RECORDING
- TAPE RECORDERS

### MAGNETIC TAPE TRANSPORTS

- GS MECHANICAL DRIVES
  - . MAGNETIC TAPE TRANSPORTS
- RT TAPE RECORDERS

### MAGNETIC TAPES

- GS COMPUTER STORAGE DEVICES
  - . MAGNETIC TAPES
  - . . . COMPUTER COMPATIBLE TAPES
- RT PERIPHERAL EQUIPMENT (COMPUTERS)
- PLASTIC TAPES
- PLAYBACKS
- PUNCHED TAPES
- READERS
- RECORDING HEADS
- REELS
- TAPE RECORDERS
- ∞ TAPES

### MAGNETIC TRANSDUCERS

- GS TRANSDUCERS
  - . MAGNETIC TRANSDUCERS
- RT ELECTROMAGNETIC MEASUREMENT
- ELECTRONIC TRANSDUCERS
- MICROPHONES

### MAGNETIC VARIATIONS

- GS VARIATIONS
  - . MAGNETIC VARIATIONS
  - . . . GEOMAGNETIC PULSATIONS
  - . . . GEOMAGNETIC MICROPULSATIONS
  - . . . NOCTURNAL VARIATIONS
- RT AEROMAGNETISM
- ANNUAL VARIATIONS
- DIURNAL VARIATIONS
- IONOSPHERIC DISTURBANCES
- KP INDEX
- SCYLLA
- TRAVELING IONOSPHERIC DISTURBANCES

### MAGNETICALLY TRAPPED PARTICLES

- GS PARTICLES
  - . CHARGED PARTICLES

## MAGNETOHYDRODYNAMICS

### MAGNETICALLY TRAPPED PARTICLES-(CONT.)

- ... **MAGNETICALLY TRAPPED PARTICLES**
  - ... RADIATION BELTS
  - ... ARTIFICIAL RADIATION BELTS
  - ... INNER RADIATION BELT
  - ... OUTER RADIATION BELT
  - ... PROTON BELTS
  - ... TRAPPED PARTICLES
- ... **MAGNETICALLY TRAPPED PARTICLES**
  - ... RADIATION BELTS
  - ... ARTIFICIAL RADIATION BELTS
  - ... INNER RADIATION BELT
  - ... OUTER RADIATION BELT
  - ... PROTON BELTS
- RT PLASMA CONTROL TRAPPED MAGNETIC FIELDS

### MAGNETITE

- GS CHALCOGENIDES
  - ... OXIDES
  - ... METAL OXIDES
  - ... IRON OXIDES
- ... **MAGNETITE**
  - IRON COMPOUNDS
  - IRON OXIDES
- ... **MAGNETITE**
  - MAGNETIC MATERIALS
  - FERROMAGNETIC MATERIALS
- ... **MAGNETITE**
  - MINERALS
  - MAGNETITE

### MAGNETIZATION

- UF REMAGNETIZATION
- RT COERCIVITY
  - MAGNETIC DISPERSION
  - MAGNETIC FIELDS
  - MAGNETIC PROPERTIES
  - MAGNETOMECHANICS (PHYSICS)
  - MAGNETS
  - MAGNONS
- ∞ POLARIZATION
- POLARIZATION (CHARGE SEPARATION)
- POLARIZATION (SPIN ALIGNMENT)

### MAGNETO-OPTICS

- RT ACOUSTO-OPTICS
  - ELECTRO-OPTICS
  - ELECTROMAGNETIC RADIATION
  - FARADAY EFFECT
  - KERR MAGNETOOPTICAL EFFECT
  - MAGNETIC FIELDS
  - OPTICAL SWITCHING
- ∞ OPTICS
  - POLARIZATION (WAVES)
  - POLARIZED ELECTROMAGNETIC RADIATION

### MAGNETOACOUSTIC WAVES

- GS ELASTIC WAVES
  - ... MAGNETOELASTIC WAVES
- ... **MAGNETOACOUSTIC WAVES**
- RT MAGNETOHYDRODYNAMIC WAVES
- PLASMA WAVES

### MAGNETOACOUSTICS

- GS ACOUSTICS
  - ... **MAGNETOACOUSTICS**
  - MAGNETIC PROPERTIES
  - ... **MAGNETOACOUSTICS**

### MAGNETOACTIVITY

- GS MAGNETIC PROPERTIES
  - ... **MAGNETOACTIVITY**
  - ... MAGNETIC FIELD RECONNECTION
  - ... MAGNETORESISTIVITY
- RT MAGNETIC EFFECTS
- MAGNETIC FIELDS

### MAGNETOCARDIOGRAPHY

- GS BIOENGINEERING
  - ... BIOMETRICS
  - ... CARDIOGRAPHY
- ... **MAGNETOCARDIOGRAPHY**
- RT BIOINSTRUMENTATION

### MAGNETOELASTIC VIBRATIONS

- USE MAGNETOELASTIC WAVES

### MAGNETOELASTIC WAVES

- UF MAGNETOELASTIC VIBRATIONS
- GS ELASTIC WAVES

### MAGNETOELASTIC WAVES-(CONT.)

- ... **MAGNETOELASTIC WAVES**
  - ... MAGNETOACOUSTIC WAVES
- RT ELECTROSTATIC WAVES
  - MAGNETOSONIC RESONANCE
  - MAGNETOSPHERIC INSTABILITY
  - MAGNETOSTRICTION
  - PLASMA WAVES
  - SOUND WAVES
  - ULTRASONIC RADIATION

### MAGNETOELASTICITY

- USE MAGNETOSTRICTION

### MAGNETOELECTRIC MEDIA

- RT DIELECTRICS
  - MAGNETOIONICS
  - MAXWELL EQUATION
  - MECHANICAL DRIVES

### MAGNETOGASDYNAMICS

- USE MAGNETOHYDRODYNAMICS

### MAGNETOGRAMS

- USE MAGNETIC SIGNATURES

### MAGNETOHYDRODYNAMIC ACCELERATION

- USE PLASMA ACCELERATION

### MAGNETOHYDRODYNAMIC FLOW

- UF HYDROMAGNETIC FLOW
  - PLASMA FLOW
- GS FLUID FLOW
  - ... **MAGNETOHYDRODYNAMIC FLOW**
- RT COMPRESSIBLE FLOW
  - CORE FLOW
  - GAS FLOW
  - GEOMAGNETIC HOLLOW
  - HARTMANN FLOW
  - KELVIN-HELMHOLTZ INSTABILITY
  - LINE CURRENT
  - MAGNETOHYDRODYNAMICS
  - PLASMA FLUX MEASUREMENT
  - PLASMA TURBULENCE
  - PLASMAS (PHYSICS)
  - REVERSE FIELD PINCH
  - SCREW PINCH
  - SOLAR WIND VELOCITY
  - TRANSVERSE WAVES
  - TWO FLUID MODELS

### MAGNETOHYDRODYNAMIC GENERATORS

- GS ELECTRIC GENERATORS
  - ... DIRECT POWER GENERATORS
- ... **MAGNETOHYDRODYNAMIC GENERATORS**
- RT FUEL CELLS
  - ∞ GENERATORS
  - MAGNETOHYDRODYNAMICS
  - PLASMA ACCELERATORS
  - PLASMA GENERATORS
  - THERMIONIC CONVERTERS
  - THERMOELECTRIC GENERATORS

### MAGNETOHYDRODYNAMIC SHEAR HEATING

- GS HEATING
  - ... **MAGNETOHYDRODYNAMIC SHEAR HEATING**
- RT PLASMA HEATING
  - PLASMA SHEATHS
  - SHOCK HEATING
  - VISCOUS FLOW

### MAGNETOHYDRODYNAMIC STABILITY

- UF HYDROMAGNETIC STABILITY
  - PLASMA INSTABILITY
  - PLASMA STABILITY
- GS DYNAMIC CHARACTERISTICS
  - ... DYNAMIC STABILITY
  - ... MOTION STABILITY
  - ... FLOW STABILITY
  - ... **MAGNETOHYDRODYNAMIC STABILITY**
    - ... WEIBEL INSTABILITY
    - ... FLOW CHARACTERISTICS
    - ... FLOW STABILITY
  - ... **MAGNETOHYDRODYNAMIC STABILITY**
    - ... WEIBEL INSTABILITY
    - ... DYNAMIC STABILITY
    - ... MOTION STABILITY
    - ... FLOW STABILITY

### MAGNETOHYDRODYNAMIC STABILITY-(CONT.)

- ... **MAGNETOHYDRODYNAMIC STABILITY**
  - ... WEIBEL INSTABILITY
- RT BALLOONING MODES
  - BETA FACTOR
  - ELASTIC WAVES
  - ELLIPTICAL PLASMAS
  - FORCE-FREE MAGNETIC FIELDS
  - HELICAL FLOW
  - KELVIN-HELMHOLTZ INSTABILITY
  - MAGNETOHYDRODYNAMICS
  - MAGNETOHYDROSTATICS
  - NONEQUILIBRIUM PLASMAS
  - NONUNIFORM PLASMAS
  - PLASMA CONDUCTIVITY
  - PLASMA COOLING
  - PLASMA DECAY
  - PLASMA DRIFT
  - PLASMA EQUILIBRIUM
  - PLASMA LIFETIME
  - PLASMA LOSS
  - PLASMA PINCH
  - PLASMA POTENTIALS
  - PLASMA SLABS
  - PLASMA TEMPERATURE
  - PLASMA TURBULENCE
  - PLASMAS (PHYSICS)
  - PLASMONS
  - SPACE PLASMAS
  - STRONGLY COUPLED PLASMAS
  - THERMAL INSTABILITY
  - ZETA PINCH

### MAGNETOHYDRODYNAMIC TURBULENCE

- GS TURBULENCE
  - ... **MAGNETOHYDRODYNAMIC TURBULENCE**
- RT PLASMA TURBULENCE
  - HOMOGENEOUS TURBULENCE
  - ISOTROPIC TURBULENCE

### MAGNETOHYDRODYNAMIC WAVES

- UF ALFVEN WAVES
  - HYDROMAGNETIC WAVES
  - PLASMA SOUND WAVES
- GS ELASTIC WAVES
  - ... **MAGNETOHYDRODYNAMIC WAVES**
  - ... PLASMA WAVES
  - ... ELECTROSTATIC WAVES
- RT MAGNETOACOUSTIC WAVES
  - MAGNETOHYDRODYNAMICS
  - NORMAL SHOCK WAVES
  - OBLIQUE SHOCK WAVES
  - SHOCK WAVES

### MAGNETOHYDRODYNAMICS

- UF GEOMETRICAL HYDROMAGNETICS
  - HYDROMAGNETICS
  - HYDROMAGNETISM
  - MAGNETOGASDYNAMICS
- GS FLUID MECHANICS
  - ... FLUID DYNAMICS
  - ... HYDRODYNAMICS
  - ... **MAGNETOHYDRODYNAMICS**
  - ... HYDROMECHANICS
  - ... HYDRODYNAMICS
  - ... **MAGNETOHYDRODYNAMICS**
- RT ALPHA PLASMA DEVICES
  - CONDUCTING FLUIDS
  - ∞ DYNAMICS
    - ELECTRIC ARCS
    - ELECTROHYDRODYNAMICS
    - GAS DYNAMICS
    - GAS TRANSPORT
    - HALL ACCELERATORS
    - HALL EFFECT
    - HARTMANN FLOW
    - HARTMANN NUMBER
    - IONIZATION
    - MAGNETOHYDRODYNAMIC FLOW
    - MAGNETOHYDRODYNAMIC GENERATORS
    - MAGNETOHYDRODYNAMIC STABILITY
    - MAGNETOHYDRODYNAMIC WAVES
    - MAGNETOHYDROSTATICS
    - MAGNETOIONICS
    - MAGNETOSONIC RESONANCE
    - PINCH EFFECT
    - PLASMA CURRENTS
    - PLASMA DYNAMICS
    - PLASMA PHYSICS
    - PLASMA PROPULSION
    - PLASMAS (PHYSICS)
    - SPACE CHARGE
    - SPACE MECHANICS



## MAGNETOHYDROSTATICS

### MAGNETOHYDRODYNAMICS-(CONT.)

SPACE PLASMAS  
STELLAR ACTIVITY  
STELLARATORS  
THERMONUCLEAR REACTIONS  
URANIUM PLASMAS

### MAGNETOHYDROSTATICS

GS FLUID MECHANICS  
HYDROMECHANICS  
HYDROSTATICS  
MAGNETOHYDROSTATICS  
STATICS  
HYDROSTATICS  
MAGNETOHYDROSTATICS  
RT MAGNETOHYDRODYNAMIC STABILITY  
MAGNETOHYDRODYNAMICS  
MAGNETOIONICS  
PLASMA PHYSICS  
STATIC STABILITY

### MAGNETOIONIC PLASMA

USE PLASMAS (PHYSICS)

### MAGNETOIONICS

RT ELECTROMAGNETIC WAVE  
TRANSMISSION  
ELLIPTICAL POLARIZATION  
GEOMAGNETISM  
GYROFREQUENCY  
IONOSPHERIC PROPAGATION  
MAGNETOELECTRIC MEDIA  
MAGNETOHYDRODYNAMICS  
MAGNETOHYDROSTATICS  
PLASMAS (PHYSICS)  
RADIO TRANSMISSION

### MAGNETOMECHANICS (PHYSICS)

RT MAGNETIC PROPERTIES  
MAGNETIZATION  
PHYSICS

### MAGNETOMETERS

UF GAUSSMETERS  
GS MEASURING INSTRUMENTS  
MAGNETOMETERS  
VARIOMETERS  
RT ELECTRICAL MEASUREMENT  
FIELD INTENSITY METERS  
GEOMAGNETISM  
GRADIOMETERS  
MAGNETIC MEASUREMENT  
MAGNETIC PROBES  
MAGNETIC SHIELDING  
MAGSAT A SATELLITE  
MAGSAT B SATELLITE  
MAGSAT SATELLITES  
MAGSAT 1 SATELLITE  
NUCLEAR MAGNETIC RESONANCE  
PROTON MASERS

### MAGNETOMETRY

USE MAGNETIC MEASUREMENT

### MAGNETOPAUSE

GS ENVIRONMENTS  
EARTH MAGNETOSPHERE  
MAGNETOPAUSE  
RT CHAPMAN-FERRARO PROBLEM  
MAGNETOSHEATH  
MAGNETOSPHERIC INSTABILITY  
POLAR CUSPS  
SATELLITE ATMOSPHERES  
SOLAR WIND

### MAGNETOPLASMA DYNAMICS

RT MAGNETIC FIELDS  
PLASMA DENSITY  
PLASMA PROPULSION  
ROCKET ENGINES  
SPACECRAFT PROPULSION

### MAGNETOPLASMAS

USE PLASMAS (PHYSICS)

### MAGNETORESISTIVITY

GS ELECTRICAL PROPERTIES  
ELECTRICAL RESISTIVITY  
MAGNETORESISTIVITY  
ELECTROMAGNETIC PROPERTIES  
MAGNETORESISTIVITY  
MAGNETIC PROPERTIES  
MAGNETOACTIVITY  
MAGNETORESISTIVITY

### MAGNETORESISTIVITY-(CONT.)

TRANSPORT PROPERTIES  
ELECTRICAL RESISTIVITY  
MAGNETORESISTIVITY  
RT CONDUCTIVITY  
ELECTROMAGNETISM  
FERMI SURFACES  
MAGNETIC FIELDS  
RELUCTANCE  
RESISTANCE

### MAGNETOSHEATH

GS ENVIRONMENTS  
EARTH MAGNETOSPHERE  
MAGNETOSHEATH  
RT BOW WAVES  
EARTH ENVIRONMENT  
GEOMAGNETISM  
MAGNETOPAUSE  
PLASMA SHEATHS  
SHOCK FRONTS  
SOLAR PLANETARY INTERACTIONS  
SOLAR TERRESTRIAL INTERACTIONS  
SOLAR WIND

### MAGNETOSONIC RESONANCE

GS RESONANCE  
MAGNETOSONIC RESONANCE  
RT MAGNETOELASTIC WAVES  
MAGNETOHYDRODYNAMICS

### MAGNETOSPHERE-IONOSPHERE COUPLING

UF IONOSPHERE-MAGNETOSPHERE  
COUPLING  
GS COUPLING  
MAGNETOSPHERE-IONOSPHERE  
COUPLING  
RT AERONOMY  
ATMOSPHERIC PHYSICS  
COUPLED MODES  
EARTH IONOSPHERE  
EARTH MAGNETOSPHERE  
IONOSPHERES  
MAGNETIC FIELD RECONNECTION  
MAGNETOSPHERIC INSTABILITY  
PLANETARY IONOSPHERES

### MAGNETOSPHERES

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED-CONSULT THE TERMS  
LISTED BELOW)  
RT EARTH MAGNETOSPHERE  
PLANETARY MAGNETOSPHERES

### MAGNETOSPHERIC ELECTRON DENSITY

GS DENSITY (NUMBER/VOLUME)  
PARTICLE DENSITY (CONCENTRATION)  
ELECTRON DENSITY  
(CONCENTRATION)  
MAGNETOSPHERIC ELECTRON  
DENSITY  
RT ATMOSPHERIC DENSITY  
IONOSPHERIC ELECTRON DENSITY  
PLASMA DENSITY

### MAGNETOSPHERIC INSTABILITY

GS STABILITY  
MAGNETOSPHERIC INSTABILITY  
RT GEOMAGNETIC PULSATIONS  
MAGNETOELASTIC WAVES  
MAGNETOPAUSE  
MAGNETOSPHERE-IONOSPHERE  
COUPLING

### MAGNETOSPHERIC ION DENSITY

GS DENSITY (NUMBER/VOLUME)  
PARTICLE DENSITY (CONCENTRATION)  
ION DENSITY (CONCENTRATION)  
MAGNETOSPHERIC ION DENSITY  
MAGNETOSPHERIC PROTON  
DENSITY  
RT ATMOSPHERIC DENSITY  
IONOSPHERIC ION DENSITY  
PLASMA DENSITY  
POSITIVE IONS

### MAGNETOSPHERIC PROTON DENSITY

GS DENSITY (NUMBER/VOLUME)  
PARTICLE DENSITY (CONCENTRATION)  
ION DENSITY (CONCENTRATION)  
MAGNETOSPHERIC ION DENSITY  
MAGNETOSPHERIC PROTON  
DENSITY  
PROTON DENSITY  
(CONCENTRATION)

### MAGNETOSPHERIC PROTON DENSITY-(CONT.)

MAGNETOSPHERIC PROTON  
DENSITY  
RT ATMOSPHERIC DENSITY  
PLASMA DENSITY

### MAGNETOSTATIC AMPLIFIERS

GS AMPLIFIERS  
MAGNETOSTATIC AMPLIFIERS  
RT MAGNETIC AMPLIFIERS  
PARAMETRIC AMPLIFIERS  
TRAVELING WAVE TUBES  
YTTRIUM-ALUMINUM GARNET  
YTTRIUM-IRON GARNET

### MAGNETOSTATIC FIELDS

GS MAGNETIC FIELDS  
MAGNETOSTATIC FIELDS  
RT FIELD THEORY (PHYSICS)  
LINES OF FORCE

### MAGNETOSTATICS

GS ELECTROMAGNETISM  
MAGNETOSTATICS  
RT ELECTROSTATICS  
FLUX (RATE)  
MAGNETIC FIELDS

### MAGNETOSTRICTION

UF MAGNETOELASTICITY  
GS MAGNETIC PROPERTIES  
MAGNETOSTRICTION  
MECHANICAL PROPERTIES  
ELASTIC PROPERTIES  
MAGNETOSTRICTION  
RT ELECTROSTRICTION  
MAGNETOELASTIC WAVES

### MAGNETOTELLURIC PROFILING

USE MAGNETIC SURVEYS

### MAGNETOVARIOGRAPHS

USE VARIOMETERS

### MAGNETRON SPUTTERING

GS SPUTTERING  
MAGNETRON SPUTTERING  
RT DEPOSITION  
METAL COATINGS

### MAGNETRONS

GS ELECTRON TUBES  
VACUUM TUBES  
MICROWAVE TUBES  
MAGNETRONS  
NIGOTRONS  
MICROWAVE EQUIPMENT  
MICROWAVE OSCILLATORS  
MAGNETRONS  
NIGOTRONS  
MICROWAVE TUBES  
MAGNETRONS  
NIGOTRONS  
OSCILLATORS  
MICROWAVE OSCILLATORS  
MAGNETRONS  
NIGOTRONS  
RT CAVITY RESONATORS  
CROSSED FIELD AMPLIFIERS  
CROSSED FIELDS  
ELECTROSTATIC GENERATORS  
KLYSTRONS  
MULTIMODE RESONATORS  
PLANOTRONS  
RESONATORS  
TRAVELING WAVE TUBES

### MAGNETS

GS MAGNETS  
CRYOGENIC MAGNETS  
ELECTROMAGNETS  
HIGH FIELD MAGNETS  
SUPERCONDUCTING MAGNETS  
FERRIMAGNETS  
PERMANENT MAGNETS  
WIGGLER MAGNETS  
RT ELECTRETS  
FERROMAGNETIC MATERIALS  
FERROMAGNETISM  
MAGNET COILS  
MAGNETIC CORES  
MAGNETIC FIELDS  
MAGNETIC MATERIALS  
MAGNETIC PROPERTIES

# MAMMARY GLANDS

## MAGNETS-(CONT.)

MAGNETIZATION  
PERMALLOYS (TRADEMARK)

## MAGNIFICATION

UF MAGNIFIERS  
RT AMPLIFICATION  
INCREASING  
LENSES  
∞ PROJECTION

## MAGNIFIERS

USE MAGNIFICATION

## MAGNITUDE

GS **MAGNITUDE**  
. STELLAR MAGNITUDE  
RT AMPLITUDES  
DIMENSIONS  
DISPLACEMENT  
∞ INTENSITY  
LEVEL (QUANTITY)

## MAGNONS

UF SPIN WAVES  
GS ELEMENTARY EXCITATIONS  
. **MAGNONS**  
RT ANTIFERROMAGNETISM  
FERRIMAGNETISM  
FERROMAGNETISM  
MAGNETIZATION  
PLASMONS

## MAGNUS EFFECT

RT BERNOULLI THEOREM  
BOUNDARY LAYER FLOW  
∞ EFFECTS  
FLUID DYNAMICS  
FLUID FLOW  
MISSILE DESIGN  
ROTATING CYLINDERS

## MAGSAT A SATELLITE

GS ARTIFICIAL SATELLITES  
. SCIENTIFIC SATELLITES  
. **MAGSAT A SATELLITE**  
RT GEOMAGNETISM  
MAGNETOMETERS

## MAGSAT B SATELLITE

GS ARTIFICIAL SATELLITES  
. SCIENTIFIC SATELLITES  
. **MAGSAT B SATELLITE**  
RT GEOMAGNETISM  
MAGNETOMETERS

## MAGSAT SATELLITES

GS ARTIFICIAL SATELLITES  
. SCIENTIFIC SATELLITES  
. **MAGSAT SATELLITES**  
RT GEOMAGNETISM  
MAGNETOMETERS

## MAGSAT 1 SATELLITE

GS ARTIFICIAL SATELLITES  
. SCIENTIFIC SATELLITES  
. **MAGSAT 1 SATELLITE**  
RT GEOMAGNETISM  
MAGNETOMETERS

## MAIN SEQUENCE STARS

GS CELESTIAL BODIES  
. STARS  
. **MAIN SEQUENCE STARS**  
. . . DWARF STARS  
. . . DWARF NOVAE  
. . . FLARE STARS  
. . . RED DWARF STARS  
. . . SUN  
RT COLOR-MAGNITUDE DIAGRAM  
EARLY STARS  
F STARS  
G STARS  
GIANT STARS  
K STARS  
LATE STARS  
M STARS  
PRE-MAIN SEQUENCE STARS  
STELLAR EVOLUTION  
STELLAR MASS  
SUBDWARF STARS  
SUBGIANT STARS

## MAINE

GS NATIONS  
. UNITED STATES  
. **MAINE**  
RT ST LAWRENCE VALLEY (NORTH  
AMERICA)

## MAINTAINABILITY

RT DESIGN ANALYSIS  
MAINTENANCE  
RELIABILITY

## MAINTENANCE

UF REPAIRING  
TROUBLESHOOTING  
GS **MAINTENANCE**  
. AIRCRAFT MAINTENANCE  
. FILE MAINTENANCE (COMPUTERS)  
. SPACE MAINTENANCE  
. SPACECRAFT MAINTENANCE  
RT CHECKOUT  
CONSTRUCTION  
DAMAGE ASSESSMENT  
DOWNTIME  
EQUIPMENT SPECIFICATIONS  
∞ FIXING  
GROUND CREWS  
GROUND SUPPORT EQUIPMENT  
INSTALLING  
LOGISTICS  
LOGISTICS MANAGEMENT  
LUBRICANTS  
LUBRICATION  
MAINTAINABILITY  
MANUALS  
MECHANICAL ENGINEERING  
OPERATING COSTS  
RELIABILITY  
REPLACING  
SELF REPAIRING DEVICES  
SERVICE LIFE  
SHIPYARDS  
SHOPS  
SPARE PARTS  
SPECIFICATIONS

## MAINTENANCE TRAINING

GS EDUCATION  
. **MAINTENANCE TRAINING**

## MAJORITY CARRIERS

GS CHARGE CARRIERS  
. **MAJORITY CARRIERS**  
RT ADDITIVES  
BIPOLAR TRANSISTORS  
CARRIER INJECTION  
ELECTRON MOBILITY  
ELECTRONS  
HOLES (ELECTRON DEFICIENCIES)  
SEMICONDUCTORS (MATERIALS)

## MALAGASY REPUBLIC

UF MADAGASCAR  
GS LANDFORMS  
. ISLANDS  
. **MALAGASY REPUBLIC**  
NATIONS  
. **MALAGASY REPUBLIC**  
RT AFRICA  
INDIAN OCEAN

## MALAWI

GS NATIONS  
. **MALAWI**  
RT AFRICA

## MALAYA

USE MALAYSIA

## MALAYSIA

UF MALAYA  
GS NATIONS  
. **MALAYSIA**  
RT ASIA

## MALDIVE ISLANDS

GS LANDFORMS  
. ISLANDS  
. **MALDIVE ISLANDS**  
NATIONS  
. **MALDIVE ISLANDS**

## MALEATES

GS ESTERS

## MALEATES-(CONT.)

. **MALEATES**

## MALES

RT CHILDREN  
FEMALES  
HUMAN BEINGS  
SEX  
SEX FACTOR

## MALFUNCTIONS

RT ABORTED MISSIONS  
AIRCRAFT ACCIDENTS  
AIRCRAFT HAZARDS  
DOWNTIME  
ERRORS  
FAILURE  
SYSTEM FAILURES

## MALI

GS NATIONS  
. **MALI**  
RT AFRICA

## MALKUS THEORY

RT STATISTICAL MECHANICS  
∞ THEORIES

## MALLEABILITY

GS MECHANICAL PROPERTIES  
. **MALLEABILITY**  
RT DUCTILITY  
METAL WORKING

## MALONONITRILE

GS CYANIDES  
. **MALONONITRILE**  
NITRILES  
. **MALONONITRILE**

## MALTA

GS LANDFORMS  
. ISLANDS  
. **MALTA**  
RT MEDITERRANEAN SEA

## MAMMALS

GS ANIMALS  
. VERTEBRATES  
. **MAMMALS**  
. . . BATS  
. . . BEARS  
. . . CATS  
. . . CATTLE  
. . . CALVES  
. . . DEER  
. . . CARIBOUS  
. . . DOGS  
. . . GOATS  
. . . HORSES  
. . . MARINE MAMMALS  
. . . DOLPHINS  
. . . MANATEES  
. . . PORPOISES  
. . . SEALS (ANIMALS)  
. . . WHALES  
. . . MOLES  
. . . PRIMATES  
. . . APES  
. . . CHIMPANZEES  
. . . BABOONS  
. . . HUMAN BEINGS  
. . . MONKEYS  
. . . RODENTS  
. . . GUINEA PIGS  
. . . HAMSTERS  
. . . MICE  
. . . JERBOAS  
. . . POCKET MICE  
. . . RABBITS  
. . . RATS  
. . . SQUIRRELS  
. . . GROUND SQUIRRELS  
. . . SHEEP  
. . . SHREWS  
. . . SWINE  
. . . WOLVES  
RT EARTH RESOURCES  
HOMEOTHERMS  
MAMMARY GLANDS

## MAMMARY GLANDS

GS ANATOMY  
. GLANDS (ANATOMY)

## MAN

### MAMMARY GLANDS-(CONT.)

- RT . . . MAMMARY GLANDS
- MAMMALS

### MAN

- USE HUMAN BEINGS

### MAN ENVIRONMENT INTERACTIONS

- RT CLIMATE CHANGE
- DESERTIFICATION
- ENVIRONMENT EFFECTS
- ENVIRONMENT MANAGEMENT
- HUMAN BEINGS
- ∞ INTERACTIONS
- INTERNATIONAL
- GEOSPHERE-BIOSPHERE PROGRAM
- RESOURCES

### MAN MACHINE SYSTEMS

- GS . . . MAN MACHINE SYSTEMS
- . . . MAN-COMPUTER INTERFACE
- RT ASTRONAUT PERFORMANCE
- ∞ AUTOMATION
- BALANCING
- BIONICS
- BIOTECHNOLOGY
- COMPUTER SYSTEMS DESIGN
- CONSOLES
- CYBERNETICS
- DATA PROCESSING TERMINALS
- DEPERSONALIZATION
- DISPLAY DEVICES
- ∞ ENGINEERING
- HUMAN FACTORS ENGINEERING
- MANAGEMENT
- MECHANIZATION
- OFFICE AUTOMATION
- PILOT INDUCED OSCILLATION
- ROBOTICS
- ∞ SYSTEMS
- SYSTEMS ANALYSIS
- SYSTEMS ENGINEERING
- SYSTEMS MANAGEMENT
- TELEOPERATORS
- WORKSTATIONS

### MAN OPERATED PROPULSION SYSTEMS

- UF MOPS (PROPULSION SYSTEMS)
- GS PROPULSION
- . . . LOW THRUST PROPULSION
- . . . MAN OPERATED PROPULSION SYSTEMS
- RT ASTRONAUT LOCOMOTION
- COMPRESSED AIR
- EXTRAVEHICULAR ACTIVITY
- GASEOUS ROCKET PROPELLANTS
- MANNED SPACE FLIGHT
- PILOT PERFORMANCE
- RETROCKET ENGINES
- ∞ SYSTEMS

### MAN POWERED AIRCRAFT

- RT ∞ AIRCRAFT
- HANG GLIDERS
- SOARING
- ULTRALIGHT AIRCRAFT
- ∞ WINGED VEHICLES

### MAN-COMPUTER INTERFACE

- UF HUMAN-COMPUTER INTERFACE
- USER-COMPUTER INTERFACE
- GS . . . MAN MACHINE SYSTEMS
- . . . MAN-COMPUTER INTERFACE
- RT COMMAND LANGUAGES
- COMPUTER AIDED DESIGN
- DATA PROCESSING TERMINALS
- DISPLAY DEVICES
- HUMAN FACTORS ENGINEERING
- QUERY LANGUAGES
- USER REQUIREMENTS

### MANAGEMENT

- UF ADMINISTRATION
- GS . . . MANAGEMENT
- . . . CONFIGURATION MANAGEMENT
- . . . CONTRACT MANAGEMENT
- . . . DATA MANAGEMENT
- . . . ENVIRONMENT MANAGEMENT
- . . . FINANCIAL MANAGEMENT
- . . . INDUSTRIAL MANAGEMENT
- . . . ENGINEERING MANAGEMENT
- . . . INVENTORY MANAGEMENT
- . . . INVENTORY CONTROLS
- . . . PERSONNEL MANAGEMENT
- . . . INFORMATION MANAGEMENT

### MANAGEMENT-(CONT.)

- . . . LOGISTICS MANAGEMENT
- . . . INVENTORY MANAGEMENT
- . . . INVENTORY CONTROLS
- . . . MATRIX MANAGEMENT
- . . . PROCUREMENT MANAGEMENT
- . . . PRODUCTION MANAGEMENT
- . . . PROJECT MANAGEMENT
- . . . RESEARCH MANAGEMENT
- . . . RESOURCES MANAGEMENT
- . . . FOREST MANAGEMENT
- . . . REFORESTATION
- . . . LAND MANAGEMENT
- . . . SAFETY MANAGEMENT
- . . . SYSTEMS MANAGEMENT
- . . . TERMINAL AREA ENERGY MANAGEMENT
- . . . WATER MANAGEMENT
- . . . WEAPON SYSTEM MANAGEMENT
- RT AUTONOMY
- CENTRAL ELECTRONIC MANAGEMENT
- SYSTEM
- COMMAND AND CONTROL
- CONTRACT NEGOTIATION
- COST ANALYSIS
- COST ESTIMATES
- COST INCENTIVES
- COST REDUCTION
- CYBERNETICS
- DECISION MAKING
- DECISIONS
- ∞ DIRECTION
- ECONOMIC ANALYSIS
- ECONOMIC FACTORS
- EVALUATION
- FIDUCIARIES
- FORECASTING
- GERT
- INCENTIVE TECHNIQUES
- INCENTIVES
- INFORMATION FLOW
- MAN MACHINE SYSTEMS
- MARKETING
- MISSION PLANNING
- OPERATIONS RESEARCH
- PERFORMANCE PREDICTION
- PERSONNEL DEVELOPMENT
- PREJUDICES
- PROBLEM SOLVING
- PROCUREMENT POLICY
- PRODUCT DEVELOPMENT
- PRODUCTION ENGINEERING
- PROGRESS
- PROJECT PLANNING
- ∞ RESEARCH PROJECTS
- STATISTICAL ANALYSIS
- SYSTEMS ENGINEERING

### MANAGEMENT ANALYSIS

- RT ∞ ANALYZING
- COST ANALYSIS
- GERT
- PERT
- TRADEOFFS

### MANAGEMENT INFORMATION SYSTEMS

- GS . . . INFORMATION SYSTEMS
- . . . MANAGEMENT INFORMATION SYSTEMS
- MANAGEMENT SYSTEMS
- . . . MANAGEMENT INFORMATION SYSTEMS
- RT COMPUTER TECHNIQUES
- DATA BASE MANAGEMENT SYSTEMS
- DATA RETRIEVAL
- DATA STORAGE
- DATA SYSTEMS
- INFORMATION RETRIEVAL
- INFORMATION THEORY
- ∞ SYSTEMS

### MANAGEMENT METHODS

- GS . . . MANAGEMENT METHODS
- . . . DELPHI METHOD (FORECASTING)
- . . . PATTERN METHOD (FORECASTING)
- . . . PROBE METHOD (FORECASTING)
- . . . PROFILE METHOD (FORECASTING)
- RT COMPUTER TECHNIQUES
- COST REDUCTION
- CRITICAL PATH METHOD
- DECISION MAKING
- ESTIMATES
- FORECASTING
- GERT
- INCENTIVES

### MANAGEMENT METHODS-(CONT.)

- . . . MATRIX MANAGEMENT
- ∞ METHODOLOGY
- NASA INTERACTIVE PLANNING SYSTEM
- OPERATIONS RESEARCH
- PERT
- RETRAINING
- STARSITE PROGRAM
- SYSTEMS MANAGEMENT

### MANAGEMENT PLANNING

- GS . . . PLANNING
- . . . MANAGEMENT PLANNING
- . . . PRODUCTION PLANNING
- . . . PROJECT PLANNING
- RT CONSULTING
- COST ANALYSIS
- COST REDUCTION
- DECISION MAKING
- ∞ DEVELOPMENT
- ECONOMY
- ESTIMATES
- FEASIBILITY ANALYSIS
- FINANCE
- FORECASTING
- GERT
- HUMAN RESOURCES
- INTERFACES
- LIFE CYCLE COSTS
- MEDIATION
- MISSION PLANNING
- OPERATIONS RESEARCH
- PERSONNEL MANAGEMENT
- PERT
- PROGRAM TREND LINE ANALYSIS
- PROJECT MANAGEMENT
- RESEARCH AND DEVELOPMENT
- SELECTIVE DISSEMINATION OF INFORMATION
- SYSTEMS ENGINEERING
- TRADEOFFS
- VALUE ENGINEERING

### MANAGEMENT SYSTEMS

- GS . . . MANAGEMENT SYSTEMS
- . . . FLIGHT MANAGEMENT SYSTEMS
- . . . MANAGEMENT INFORMATION SYSTEMS
- RT COMPUTER TECHNIQUES
- INFORMATION SYSTEMS
- PROJECT MANAGEMENT
- ∞ SYSTEMS

### MANATEES

- GS ANIMALS
- . . . VERTEBRATES
- . . . MAMMALS
- . . . MARINE MAMMALS
- . . . MANATEES

### MANDELSTAM REPRESENTATION

- GS . . . MODELS
- . . . MATHEMATICAL MODELS
- . . . MANDELSTAM REPRESENTATION
- RT ELEMENTARY PARTICLE INTERACTIONS
- INELASTIC SCATTERING
- LORENTZ TRANSFORMATIONS
- NUCLEAR SCATTERING
- QUANTUM THEORY
- SCATTERING AMPLITUDE

### MANDRELS

- RT CORES
- MACHINE TOOLS
- MOLDS
- SHAFTS (MACHINE ELEMENTS)

### MANEUVERABILITY

- RT AIR SLEW MISSILES
- AIRCRAFT CONTROL
- AIRCRAFT MANEUVERS
- AIRCRAFT PERFORMANCE
- CONTROLLABILITY
- FLIGHT CHARACTERISTICS
- FLIGHT CONTROL
- FLIGHT ENVELOPES
- HELICOPTER PERFORMANCE
- MANEUVERS
- SPACECRAFT MANEUVERS

### MANEUVERABLE REENTRY BODIES

- GS . . . REENTRY VEHICLES
- . . . MANEUVERABLE REENTRY BODIES
- . . . LIFTING REENTRY VEHICLES
- . . . FDL-5 REENTRY VEHICLE

## MANNED REENTRY

### MANEUVERABLE REENTRY BODIES-(CONT.)

... HL-10 REENTRY VEHICLE  
... HLD-35 REENTRY VEHICLE  
... JANUS SPACECRAFT  
... M-2 LIFTING BODY  
... M-2F2 LIFTING BODY  
... X-20 AIRCRAFT  
... X-24 AIRCRAFT  
RT ∞ BODIES

### MANEUVERABLE SPACECRAFT

GS **MANEUVERABLE SPACECRAFT**  
... AEROSPACE PLANES  
... HOTOL LAUNCH VEHICLE  
... X-30 VEHICLE  
... APOLLO SPACECRAFT  
... APOLLO LUNAR EXPERIMENT  
MODULE  
... ASTRO VEHICLE  
... EVASIVE SATELLITES  
... FERRY SPACECRAFT  
... JANUS SPACECRAFT  
... RENDEZVOUS SPACECRAFT  
... X-20 AIRCRAFT  
RT ARTIFICIAL SATELLITES  
INTERPLANETARY SPACECRAFT  
LANDING MODULES  
LUNAR LANDING MODULES  
LUNAR PROBES  
LUNAR SATELLITES  
MANNED SPACECRAFT  
MARS (MANNED REUSABLE  
SPACECRAFT)  
RECOVERABLE SPACECRAFT  
REENTRY VEHICLES  
SPACE PROBES  
∞ SPACECRAFT  
SPACECRAFT MANEUVERS  
THRUST VECTOR CONTROL

### MANEUVERS

GS **MANEUVERS**  
... AIRCRAFT MANEUVERS  
... EVASIVE ACTIONS  
... HOVERING  
... ORBITAL RENDEZVOUS  
... EARTH ORBITAL RENDEZVOUS  
... LUNAR ORBITAL RENDEZVOUS  
... SIDESLIP  
... SPACECRAFT DOCKING  
... SPACECRAFT MANEUVERS  
... ORBITAL MANEUVERS  
RT ACROBATICS  
AIRCRAFT SPIN  
FLIGHT CONTROL  
LANDING  
MANEUVERABILITY  
MINOR CIRCLE TURNING FLIGHT  
SELF MANEUVERING UNITS  
TAKEOFF  
TURNING FLIGHT

### MANGANESE

GS **CHEMICAL ELEMENTS**  
... **MANGANESE**  
... MANGANESE ISOTOPES  
METALS  
... TRANSITION METALS  
... **MANGANESE**  
... MANGANESE ISOTOPES  
RT STRATEGIC MATERIALS

### MANGANESE ALLOYS

GS **ALLOYS**  
... **MANGANESE ALLOYS**  
... MANGANIN (TRADEMARK)

### MANGANESE COMPOUNDS

GS **MANGANESE COMPOUNDS**  
... MANGANESE OXIDES  
... HOPCALITE (TRADEMARK)  
... MANGANESE PHOSPHIDES  
... PERMANGANATES  
RT ∞ CHEMICAL COMPOUNDS  
∞ GROUP 7B COMPOUNDS  
∞ METAL COMPOUNDS

### MANGANESE IONS

GS **IONS**  
... METAL IONS  
... **MANGANESE IONS**  
RT PERMANGANATES

### MANGANESE ISOTOPES

UF MANGANESE 53  
MANGANESE 54  
MANGANESE 56  
GS **CHEMICAL ELEMENTS**  
... MANGANESE  
... **MANGANESE ISOTOPES**  
... NUCLIDES  
... ISOTOPES  
... **MANGANESE ISOTOPES**  
METALS  
... TRANSITION METALS  
... MANGANESE  
... **MANGANESE ISOTOPES**

### MANGANESE OXIDES

GS **CHALCOGENIDES**  
... OXIDES  
... METAL OXIDES  
... **MANGANESE OXIDES**  
... HOPCALITE (TRADEMARK)  
MANGANESE COMPOUNDS  
... **MANGANESE OXIDES**  
... HOPCALITE (TRADEMARK)

### MANGANESE PHOSPHIDES

GS **MANGANESE COMPOUNDS**  
... **MANGANESE PHOSPHIDES**  
PHOSPHORUS COMPOUNDS  
... PHOSPHIDES  
... **MANGANESE PHOSPHIDES**

### MANGANESE 53

USE MANGANESE ISOTOPES

### MANGANESE 54

USE MANGANESE ISOTOPES

### MANGANESE 56

USE MANGANESE ISOTOPES

### MANGANIN (TRADEMARK)

GS **ALLOYS**  
... COPPER ALLOYS  
... **MANGANIN (TRADEMARK)**  
... MANGANESE ALLOYS  
... **MANGANIN (TRADEMARK)**  
RT ELECTRICAL RESISTANCE  
THERMOCOUPLES

### MANIFOLDS

RT **AIR INTAKES**  
EXHAUST SYSTEMS  
FUEL SYSTEMS  
INTAKE SYSTEMS  
PIPES (TUBES)  
PLENUM CHAMBERS  
∞ TUBES  
∞ WATER INTAKES

### MANIFOLDS (MATHEMATICS)

GS **MANIFOLDS (MATHEMATICS)**  
... RIEMANN MANIFOLD  
RT COORDINATES  
CURVES (GEOMETRY)  
FIBERS (MATHEMATICS)  
FIXED POINTS (MATHEMATICS)  
TOPOLOGY

### MANIPULATION

USE MANIPULATORS

### MANIPULATORS

SN (LIMITED TO MECHANICAL DEVICES FOR  
REMOTE HANDLING)  
UF MANIPULATION  
GS **MANIPULATORS**  
... REMOTE MANIPULATOR SYSTEM  
CONTROL EQUIPMENT  
END EFFECTORS  
PAYLOAD DEPLOYMENT & RETRIEVAL  
SYSTEM  
REMOTE CONTROL  
REMOTE HANDLING  
ROBOTICS  
SERVOCONTROL  
SHIELDING  
TELEOPERATORS

### MANITOBA

GS **NATIONS**  
... CANADA  
... **MANITOBA**

### MANITOU (CO)

GS **CITIES**  
... **MANITOU (CO)**  
RT COLORADO

### MANN-WHITNEY-WILCOXON U TEST

GS **STATISTICAL ANALYSIS**  
... STATISTICAL TESTS  
... **MANN-WHITNEY-WILCOXON U TEST**  
RT QUALITY CONTROL

### MANNED AERODYNAMIC REUSABLE SPACESHIP

USE MARS (MANNED REUSABLE  
SPACECRAFT)

### MANNED LUNAR SURFACE VEHICLES

GS **SURFACE VEHICLES**  
... LUNAR SURFACE VEHICLES  
... LUNAR ROVING VEHICLES  
... **MANNED LUNAR SURFACE  
VEHICLES**  
RT CRAWLER TRACTORS  
LUNAR LOGISTICS  
LUNAR MOBILE LABORATORIES  
∞ SURFACES  
∞ VEHICLES  
WALKING MACHINES

### MANNED MANEUVERING UNITS

GS **EXTRAVEHICULAR MOBILITY UNITS**  
... ASTRONAUT MANEUVERING  
EQUIPMENT  
... **MANNED MANEUVERING UNITS**  
RT ASTRONAUT LOCOMOTION  
EXTRAVEHICULAR ACTIVITY  
LIFE SUPPORT SYSTEMS  
ORBITAL SERVICING  
SELF MANEUVERING UNITS  
SPACE SUITS

### MANNED MARS MISSIONS

GS **SPACE MISSIONS**  
... **MANNED MARS MISSIONS**  
RT INTERPLANETARY FLIGHT  
INTERPLANETARY SPACECRAFT  
LONG DURATION SPACE FLIGHT  
MANNED SPACECRAFT  
MARS (PLANET)  
NASA SPACE PROGRAMS  
RETURN TO EARTH SPACE FLIGHT  
SPACE EXPLORATION

### MANNED ORBITAL LABORATORIES

UF **MOL (ORBITAL LABORATORIES)**  
MORL  
GS **LABORATORIES**  
... SPACE LABORATORIES  
... **MANNED ORBITAL LABORATORIES**  
... SKYLAB 1  
... SKYLAB 2  
... SKYLAB 3  
... SKYLAB 4  
... SPACELAB  
MANNED SPACECRAFT  
... **MANNED ORBITAL LABORATORIES**  
... SKYLAB 1  
... SKYLAB 2  
... SKYLAB 3  
... SKYLAB 4  
... SPACELAB  
RT APOLLO SPACECRAFT  
COLUMBUS SPACE STATION  
ORBITAL WORKSHOPS  
RECONNAISSANCE SPACECRAFT  
SPACE STATIONS  
∞ SPACECRAFT  
TITAN 3 LAUNCH VEHICLE

### MANNED ORBITAL SPACE STATIONS

USE SPACE STATIONS

### MANNED ORBITAL TELESCOPES

UF **MOT (ORBITAL TELESCOPES)**  
TELESCOPES  
GS ... **MANNED ORBITAL TELESCOPES**  
... APOLLO TELESCOPE MOUNT  
RT OAO

### MANNED REENTRY

GS **ATMOSPHERIC ENTRY**  
... REENTRY  
... **MANNED REENTRY**  
SPACE FLIGHT  
... MANNED SPACE FLIGHT

## MANNED SPACE FLIGHT

### MANNED REENTRY-(CONT.)

RT MANNED REENTRY  
DESCENT TRAJECTORIES  
ENVIRONMENTAL CONTROL  
LIFTING REENTRY VEHICLES  
REENTRY COMMUNICATION  
SPACECRAFT REENTRY

### MANNED SPACE FLIGHT

GS SPACE FLIGHT  
MANNED SPACE FLIGHT  
APOLLO FLIGHTS  
APOLLO 5 FLIGHT  
APOLLO 6 FLIGHT  
APOLLO 7 FLIGHT  
APOLLO 8 FLIGHT  
APOLLO 9 FLIGHT  
APOLLO 10 FLIGHT  
APOLLO 11 FLIGHT  
APOLLO 12 FLIGHT  
APOLLO 13 FLIGHT  
APOLLO 14 FLIGHT  
APOLLO 15 FLIGHT  
APOLLO 16 FLIGHT  
APOLLO 17 FLIGHT  
GEMINI FLIGHTS  
GEMINI 3 FLIGHT  
GEMINI 4 FLIGHT  
GEMINI 5 FLIGHT  
GEMINI 6 FLIGHT  
GEMINI 7 FLIGHT  
GEMINI 8 FLIGHT  
GEMINI 9 FLIGHT  
GEMINI 10 FLIGHT  
GEMINI 11 FLIGHT  
GEMINI 12 FLIGHT  
MANNED REENTRY  
MERCURY FLIGHTS  
MERCURY MA-1 FLIGHT  
MERCURY MA-2 FLIGHT  
MERCURY MA-3 FLIGHT  
MERCURY MA-4 FLIGHT  
MERCURY MA-5 FLIGHT  
MERCURY MA-6 FLIGHT  
MERCURY MA-7 FLIGHT  
MERCURY MA-8 FLIGHT  
MERCURY MA-9 FLIGHT  
MERCURY MR-1 FLIGHT  
MERCURY MR-2 FLIGHT  
MERCURY MR-3 FLIGHT  
MERCURY MR-4 FLIGHT  
SPACE SHUTTLE MISSIONS  
SPACE SHUTTLE MISSION 31-A  
SPACE SHUTTLE MISSION 31-B  
SPACE SHUTTLE MISSION 31-C  
SPACE SHUTTLE MISSION 31-D  
SPACE SHUTTLE MISSION 41-A  
SPACE SHUTTLE MISSION 41-B  
SPACE SHUTTLE MISSION 41-C  
SPACE SHUTTLE MISSION 41-D  
SPACE SHUTTLE MISSION 41-G  
SPACE SHUTTLE MISSION 51-A  
SPACE SHUTTLE MISSION 51-B  
SPACE SHUTTLE MISSION 51-C  
SPACE SHUTTLE MISSION 51-D  
SPACE SHUTTLE MISSION 51-E  
SPACE SHUTTLE MISSION 51-F  
SPACE SHUTTLE MISSION 51-G  
SPACE SHUTTLE MISSION 51-H  
SPACE SHUTTLE MISSION 51-I  
SPACE SHUTTLE MISSION 51-J  
SPACE SHUTTLE MISSION 51-L  
SPACE SHUTTLE MISSION 61-A  
SPACE SHUTTLE MISSION 61-B  
SPACE SHUTTLE MISSION 61-C  
SPACE SHUTTLE MISSION 61-E  
RT AEROSPACE ENVIRONMENTS  
APOLLO EXTENSION SYSTEM  
ATLANTIS (ORBITER)  
COLUMBIA (ORBITER)  
DISCOVERY (ORBITER)  
ENTERPRISE (ORBITER)  
EXTRAVEHICULAR ACTIVITY  
GEMINI (GT-1) SPACECRAFT  
GEMINI B SPACECRAFT  
GEMINI SPACECRAFT  
GEMINI 2 SPACECRAFT  
HUMAN FACTORS ENGINEERING  
INDIAN SPACE PROGRAM  
INTERPLANETARY FLIGHT  
INTERSTELLAR TRAVEL  
INTRAHEHICULAR ACTIVITY  
LONG DURATION SPACE FLIGHT  
MAN OPERATED PROPULSION SYSTEMS  
MERCURY PROJECT  
SPACE ADAPTATION SYNDROME

### MANNED SPACE FLIGHT-(CONT.)

SPACE COMMUNICATION  
SPACE EXPLORATION  
SPACE FLIGHT STRESS  
SPACE LOGISTICS  
SPACE PROGRAMS  
SPACE PSYCHOLOGY  
SPACE SHUTTLE ORBITERS  
SPACE SHUTTLES  
SPACECREW TRANSFER  
SUBORBITAL FLIGHT

### MANNED SPACE FLIGHT NETWORK

GS TRACKING NETWORKS  
MANNED SPACE FLIGHT NETWORK  
RT ADVANCED RANGE INSTRUMENTATION  
SHIP  
UNIFIED S BAND

### MANNED SPACECRAFT

GS MANNED SPACECRAFT  
AEROSPACE PLANES  
HOTOL LAUNCH VEHICLE  
X-30 VEHICLE  
APOLLO SPACECRAFT  
APOLLO LUNAR EXPERIMENT  
MODULE  
ASTRO VEHICLE  
COLUMBUS SPACE STATION  
FERRY SPACECRAFT  
GEMINI B SPACECRAFT  
GEMINI SPACECRAFT  
GEMINI (GT-1) SPACECRAFT  
GEMINI 2 SPACECRAFT  
JANUS SPACECRAFT  
LUNAR MODULE  
APOLLO LUNAR EXPERIMENT  
MODULE  
LSSM  
LUNAR MODULE 5  
LUNAR MODULE 7  
MANNED ORBITAL LABORATORIES  
SKYLAB 1  
SKYLAB 2  
SKYLAB 3  
SKYLAB 4  
SPACELAB  
MARS (MANNED REUSABLE  
SPACECRAFT)  
MERCURY SPACECRAFT  
AURORA 7  
FAITH 7  
FRIENDSHIP 7  
SIGMA 7  
MIR SPACE STATION  
ORBITAL WORKSHOPS  
SATURN WORKSHOPS  
SATURN 1 WORKSHOP  
SATURN 5 WORKSHOP  
SKYLAB 1  
SKYLAB 2  
SKYLAB 3  
SKYLAB 4  
SALYUT SPACE STATION  
SOYUZ SPACECRAFT  
SPACE OPERATIONS CENTER (NASA)  
SPACE SHUTTLE ORBITERS  
ATLANTIS (ORBITER)  
CHALLENGER (ORBITER)  
COLUMBIA (ORBITER)  
DISCOVERY (ORBITER)  
ENTERPRISE (ORBITER)  
SPACE SHUTTLES  
HERMES MANNED SPACEPLANE  
VOSKHOH MANNED SPACECRAFT  
VOSKHOH 1 SPACECRAFT  
VOSKHOH 2 SPACECRAFT  
VOSTOK SPACECRAFT  
VOSTOK 1 SPACECRAFT  
VOSTOK 2 SPACECRAFT  
VOSTOK 3 SPACECRAFT  
VOSTOK 4 SPACECRAFT  
VOSTOK 5 SPACECRAFT  
VOSTOK 6 SPACECRAFT  
RT APOLLO PROJECT  
APOLLO SOYUZ TEST PROJECT  
APOLLO 7 FLIGHT  
APOLLO 8 FLIGHT  
APOLLO 10 FLIGHT  
APOLLO 11 FLIGHT  
APOLLO 12 FLIGHT  
APOLLO 13 FLIGHT  
APOLLO 14 FLIGHT  
APOLLO 15 FLIGHT  
APOLLO 16 FLIGHT

### MANNED SPACECRAFT-(CONT.)

APOLLO 17 FLIGHT  
APPROACH AND LANDING TESTS (STS)  
ARTIFICIAL SATELLITES  
BIOSATELLITES  
BOOSTGLIDE VEHICLES  
COMMAND SERVICE MODULES  
ENVIRONMENTAL CONTROL  
GRAVITY GRADIENT SATELLITES  
INTERPLANETARY SPACECRAFT  
LANDING MODULES  
LIFTING REENTRY VEHICLES  
LUNAR LANDING MODULES  
LUNAR SATELLITES  
LUNAR SPACECRAFT  
MANEUVERABLE SPACECRAFT  
MANNED MARS MISSIONS  
MERCURY FLIGHTS  
MERCURY PROJECT  
MILITARY SPACECRAFT  
RECONNAISSANCE SPACECRAFT  
RECOVERABLE SPACECRAFT  
RENDEZVOUS SPACECRAFT  
REUSABLE SPACECRAFT  
SHUTTLE DERIVED VEHICLES  
SPACE CAPSULES  
SPACE NAVIGATION  
SPACE SHUTTLE BOOSTERS  
SPACE STATIONS  
SPACECRAFT  
SPACECRAFT CABIN SIMULATORS  
UNMANNED SPACECRAFT  
X-20 AIRCRAFT

### MANNING THEORY

RT FLUID FLOW  
THEORIES  
WALL FLOW

### MANNITOL

GS ORGANIC COMPOUNDS  
CARBOHYDRATES  
SUGARS  
MANNITOL

### MANOMETERS

UF MICROMANOMETERS  
U TUBES  
GS MEASURING INSTRUMENTS  
PRESSURE GAGES  
MANOMETERS  
RT BAROMETERS  
BLOOD PRESSURE  
FLAME PROBES  
PRESSURE DISTRIBUTION  
PRESSURE MEASUREMENT  
VACUUM GAGES

### MANPOWER

GS MANPOWER  
SCIENTISTS  
RT ENGINEERING MANAGEMENT  
HUMAN RESOURCES  
LABOR  
PERSONNEL  
RESEARCH MANAGEMENT  
RESOURCES  
RETRAINING

### MANTLE (EARTH STRUCTURE)

USE EARTH MANTLE

### MANUAL

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT MANUAL CONTROL  
MANUALS

### MANUAL CONTROL

GS MANUAL CONTROL  
VISUAL CONTROL  
RT AIRCRAFT CONTROL  
ATTITUDE CONTROL  
AUTOMATIC CONTROL  
BUTTONS  
CONSOLES  
CONTROL  
CONTROL BOARDS  
CONTROL EQUIPMENT  
DIRECTIONAL CONTROL  
ENGINE CONTROL  
GUIDANCE (MOTION)  
HANDLES  
HELICOPTER CONTROL

**MANUAL CONTROL-(CONT.)**

HUMAN FACTORS ENGINEERING  
 KNOBS  
 LANDING INSTRUMENTS  
 LATERAL CONTROL  
 LEVERS  
 LONGITUDINAL CONTROL  
 ∞ MANUAL  
 PEDALS  
 REENTRY GUIDANCE  
 REMOTE CONTROL  
 SATELLITE CONTROL  
 SATELLITE GUIDANCE  
 SERVOCONTROL  
 SPACECRAFT CONTROL  
 SPACECRAFT GUIDANCE  
 SPEED CONTROL  
 TEMPERATURE CONTROL

**MANUALS**

GS DOCUMENTS  
 . **MANUALS**  
 . . . INSTALLATION MANUALS  
 . . . USER MANUALS (COMPUTER PROGRAMS)  
 RT DIRECTORIES  
 HANDBOOKS  
 MAINTENANCE  
 ∞ MANUAL  
 TEXTBOOKS

**MANUFACTURING**

GS **MANUFACTURING**  
 . COMPUTER AIDED MANUFACTURING  
 . LOW GRAVITY MANUFACTURING  
 . SPACE MANUFACTURING  
 RT AIRCRAFT PRODUCTION COSTS  
 COMMERCE  
 COMMODITIES  
 CONTAINERLESS MELTS  
 CONTRACT NEGOTIATION  
 ECONOMIC DEVELOPMENT  
 FABRICATION  
 INDUSTRIES  
 KRAFT PROCESS (WOODPULP)  
 ∞ PROCESSING  
 PRODUCTION MANAGEMENT  
 PRODUCTS  
 SPACE INDUSTRIALIZATION  
 TECHNOLOGIES  
 TECHNOLOGY ASSESSMENT  
 TECHNOLOGY UTILIZATION

**MANURES**

GS WASTES  
 . **MANURES**  
 RT BIOMASS ENERGY PRODUCTION  
 METABOLIC WASTES  
 WASTE DISPOSAL  
 WASTE UTILIZATION

**MANY BODY PROBLEM**

UF MANY PARTICLE THEORY  
 RT BCS THEORY  
 CELESTIAL MECHANICS  
 ELEMENTARY EXCITATIONS  
 FIELD THEORY (PHYSICS)  
 FOUR BODY PROBLEM  
 GREEN'S FUNCTIONS  
 HARTREE APPROXIMATION  
 ORBITAL MECHANICS  
 ORBITS  
 PARTICLE THEORY  
 PERTURBATION  
 PERTURBATION THEORY  
 ∞ PROBLEMS  
 QUANTUM STATISTICS  
 STATISTICAL MECHANICS  
 SUPERFLUIDITY  
 THREE BODY PROBLEM  
 TROJAN ORBITS  
 TWO BODY PROBLEM

**MANY ELECTRON EFFECTS**

RT AUTOIONIZATION  
 ELECTRON CAPTURE  
 ELECTRON SCATTERING  
 ELECTRON STATES  
 ELECTRON TRANSITIONS

**MANY PARTICLE THEORY**

USE MANY BODY PROBLEM

**MAP (PROGRAMMING LANGUAGE)**

GS LANGUAGES

**MAP (PROGRAMMING LANGUAGE)-(CONT.)**

. PROGRAMMING LANGUAGES  
 . . ASSEMBLY LANGUAGE  
 . . . **MAP (PROGRAMMING LANGUAGE)**  
 RT COMPUTER PROGRAMMING

**MAP MATCHING GUIDANCE**

GS GUIDANCE (MOTION)  
 . **MAP MATCHING GUIDANCE**  
 RT AIRBORNE EQUIPMENT  
 DISPLAY DEVICES  
 IMAGE CORRELATORS  
 RADAR MAPS  
 RADAR NAVIGATION  
 TERCOM  
 VIDEO LANDMARK ACQUISITION AND TRACKING

**MAPPING**

SN (EXCLUDES CONFORMAL MAPPING)  
 UF CARTOGRAPHY  
 FLUX MAPPING  
 GS **MAPPING**  
 . CADASTRAL MAPPING  
 . COMPUTER AIDED MAPPING  
 . ICE MAPPING  
 . PHOTOMAPPING  
 . PLANETARY MAPPING  
 . SOIL MAPPING  
 . THEMATIC MAPPING  
 . THERMAL MAPPING  
 RT ASTROGRAPHY  
 BONNE PROJECTION  
 CONTOURS  
 DECLINATION  
 FIXED POINTS (MATHEMATICS)  
 FUNCTIONS (MATHEMATICS)  
 GEOGRAPHIC APPLICATIONS PROGRAM  
 GEOGRAPHY  
 HEAT CAPACITY MAPPING MISSION  
 HYPSONOGRAPHY  
 MAPS  
 MAPSAT  
 ORTHOPHOTOGRAPHY  
 PHOENIX QUADRANGLE (AZ)  
 PHOTOGRAMMETRY  
 PHOTOGRAPHY  
 SCALE (RATIO)  
 SPOT (FRENCH SATELLITE)  
 SURVEYS  
 TERRAIN ANALYSIS  
 TOPOGRAPHY  
 TOPOLOGY  
 TRIANGULATION

**MAPS**

GS **MAPS**  
 . ASTRONOMICAL MAPS  
 . . PLANISPHERES  
 . LUNAR MAPS  
 . METEOROLOGICAL CHARTS  
 . PHOTOMAPS  
 . RADAR CLUTTER MAPS  
 . RADAR MAPS  
 . RELIEF MAPS  
 RT BONNE PROJECTION  
 CADASTRAL MAPPING  
 CHARTS  
 COMPUTER AIDED MAPPING  
 COORDINATES  
 DATUM (ELEVATION)  
 GEOGRAPHY  
 ∞ GLOBES  
 HYPSONOGRAPHY  
 MAPPING  
 MERCATOR PROJECTION  
 NAVIGATION AIDS  
 PHOTOMAPPING  
 SOIL MAPPING  
 SURVEYS  
 THEMATIC MAPPING

**MAPSAT**

GS ARTIFICIAL SATELLITES  
 . **MAPSAT**  
 RT LANDSAT SATELLITES  
 MAPPING  
 REMOTE SENSING  
 STEREOPHOTOGRAPHY

**MARAGING**

GS HARDENING (MATERIALS)  
 . PRECIPITATION HARDENING  
 . . **MARAGING**  
 HEAT TREATMENT

**MARAGING-(CONT.)**

. **MARAGING**

**MARAGING STEELS**

GS ALLOYS  
 . HIGH STRENGTH ALLOYS  
 . . HIGH STRENGTH STEELS  
 . . . **MARAGING STEELS**  
 . IRON ALLOYS  
 . . STEELS  
 . . . HIGH STRENGTH STEELS  
 . . . . **MARAGING STEELS**  
 RT MARTENSITIC STAINLESS STEELS  
 STAINLESS STEELS

**MARANGONI CONVECTION**

GS CONVECTION  
 . **MARANGONI CONVECTION**  
 RT CONVECTIVE FLOW  
 FREE CONVECTION  
 INTERFACIAL TENSION  
 LOW GRAVITY MANUFACTURING  
 MELTS (CRYSTAL GROWTH)  
 REDUCED GRAVITY  
 SPACE PROCESSING

**MARBORE 2 ENGINE**

USE J-69-T-25 ENGINE

**MARECS MARITIME SATELLITES**

GS ARTIFICIAL SATELLITES  
 . COMMUNICATION SATELLITES  
 . . **MARECS MARITIME SATELLITES**  
 . ESA SATELLITES  
 . . **MARECS MARITIME SATELLITES**  
 . MARITIME SATELLITES  
 . . **MARECS MARITIME SATELLITES**  
 ESA SPACECRAFT  
 . ESA SATELLITES  
 . . **MARECS MARITIME SATELLITES**  
 RT EUROPEAN SPACE PROGRAMS  
 SATELLITE NETWORKS

**MARGINS**

RT BORDERS  
 EDGES  
 RIMS

**MARIA**

GS **MARIA**  
 . LUNAR MARIA  
 RT LAVA  
 METEORITE CRATERS  
 TOPOGRAPHY

**MARIJUANA**

GS DRUGS  
 . PSYCHOTROPIC DRUGS  
 . . **MARIJUANA**  
 RT ALKALOIDS

**MARINE BIOLOGY**

RT ALGAE  
 AQUATIC PLANTS  
 AQUICULTURE  
 ∞ BIOLOGY  
 ENVIRONMENT EFFECTS  
 ENVIRONMENTAL QUALITY  
 FISHERIES  
 LIMNOLOGY  
 OCEANOGRAPHY  
 PHYTOPLANKTON  
 ∞ SCIENCE  
 SEA GRASSES  
 SEALS (ANIMALS)  
 SEAWEEDS  
 SHELLFISH  
 THERMAL POLLUTION  
 WATERFOWL  
 WETLANDS  
 ZOOPLANKTON

**MARINE CHEMISTRY**

GS ENVIRONMENTAL CHEMISTRY  
 . **MARINE CHEMISTRY**  
 RT BIOCHEMISTRY  
 ∞ CHEMISTRY  
 GEOCHEMISTRY  
 HYDROLOGY  
 LIMNOLOGY  
 OCEAN BOTTOM  
 ∞ SCIENCE  
 SEDIMENTS

## MARINE ENVIRONMENTS

### MARINE ENVIRONMENTS

GS ENVIRONMENTS  
 . MARINE ENVIRONMENTS  
 RT AQUICULTURE  
 BEACHES  
 COASTAL ECOLOGY  
 COASTS  
 ENVIRONMENT EFFECTS  
 ICE ENVIRONMENTS  
 NEARSHORE WATER  
 OCEAN MODELS  
 OCEANOGRAPHY  
 RED TIDE  
 SEA BREEZE  
 SHELLFISH  
 WATERFOWL  
 WETLANDS

### MARINE MAMMALS

GS ANIMALS  
 . VERTEBRATES  
 . MAMMALS  
 . . . MARINE MAMMALS  
 . . . . DOLPHINS  
 . . . . MANATEES  
 . . . . PORPOISES  
 . . . . SEALS (ANIMALS)  
 . . . . WHALES

### MARINE METEOROLOGY

GS METEOROLOGY  
 . HYDROMETEOROLOGY  
 . . MARINE METEOROLOGY  
 RT FRONTS (METEOROLOGY)  
 OCEANOGRAPHY  
 ∞ SCIENCE  
 TYPHOONS  
 WIND (METEOROLOGY)

### MARINE NAVIGATION

USE SURFACE NAVIGATION

### MARINE PROPULSION

GS PROPULSION  
 . MARINE PROPULSION  
 . . UNDERWATER PROPULSION  
 . . . SUBMARINE PROPULSION  
 RT CHEMICAL PROPULSION  
 ELECTRIC PROPULSION  
 JET PROPULSION  
 NUCLEAR ELECTRIC PROPULSION  
 NUCLEAR PROPULSION  
 PROPELLER DRIVE  
 SAVANNAH NUCLEAR SHIP

### MARINE RESOURCES

GS RESOURCES  
 . EARTH RESOURCES  
 . . MARINE RESOURCES  
 RT AQUICULTURE  
 COASTAL ECOLOGY  
 FISHERIES  
 OCEANOGRAPHY  
 OCEANS  
 SEA WATER  
 SHELLFISH  
 UNDERWATER RESOURCES  
 WATER POLLUTION  
 WETLANDS

### MARINE RUDDERS

GS CONTROL SURFACES  
 . RUDDERS  
 . . MARINE RUDDERS  
 RT AERIAL RUDDERS  
 HYDROFOILS  
 TAIL ASSEMBLIES

### MARINE TECHNOLOGY

GS TECHNOLOGIES  
 . MARINE TECHNOLOGY  
 RT AQUICULTURE  
 ARTIFICIAL HARBORS  
 DEEPWATER TERMINALS  
 OCEANOGRAPHY  
 OFFSHORE DOCKING  
 OFFSHORE ENERGY SOURCES  
 OFFSHORE PLATFORMS  
 TANKER TERMINALS  
 WHARVES

### MARINE TRANSPORTATION

GS TRANSPORTATION  
 . MARINE TRANSPORTATION  
 RT AIR TRANSPORTATION

## MARINE TRANSPORTATION-(CONT.)

DEEPWATER TERMINALS  
 HARBORS  
 OFFSHORE DOCKING  
 RAIL TRANSPORTATION  
 SHIPS  
 TANKER SHIPS  
 WATER VEHICLES

### MARINER C SPACECRAFT

GS INTERPLANETARY SPACECRAFT  
 . MARINER SPACECRAFT  
 . . MARINER C SPACECRAFT  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . . MARINER SPACECRAFT  
 . . . MARINER C SPACECRAFT

### MARINER JUPITER-SATURN FLYBY

GS SPACE MISSIONS  
 . FLYBY MISSIONS  
 . . GRAND TOURS  
 . . . MARINER JUPITER-SATURN FLYBY  
 RT INTERPLANETARY FLIGHT  
 ∞ MISSIONS  
 SPACE FLIGHT

### MARINER JUPITER-URANUS FLYBY

GS SPACE MISSIONS  
 . FLYBY MISSIONS  
 . . GRAND TOURS  
 . . . MARINER JUPITER-URANUS FLYBY  
 RT INTERPLANETARY FLIGHT  
 ∞ MISSIONS  
 SPACE FLIGHT

### MARINER MARK 2 SPACECRAFT

RT FLYBY MISSIONS  
 INTERPLANETARY FLIGHT  
 ∞ SPACECRAFT

### MARINER PROGRAM

GS PROGRAMS  
 . NASA PROGRAMS  
 . . NASA SPACE PROGRAMS  
 . . . MARINER PROGRAM  
 . . . . MARINER VENUS-MERCURY 1973  
 . . . . MARINER-MERCURY 1973  
 . . . . SPACE PROGRAMS  
 . . . . . NASA SPACE PROGRAMS  
 . . . . . MARINER PROGRAM  
 . . . . . MARINER VENUS-MERCURY 1973  
 . . . . . MARINER-MERCURY 1973  
 RT AGENA 8 ROCKET VEHICLE  
 AGENA ROCKET VEHICLES  
 ATLAS AGENA LAUNCH VEHICLES  
 ATLAS LAUNCH VEHICLES  
 CENTAUR PROJECT  
 FLYBY MISSIONS  
 MARS PROBES  
 SPACE PROBES  
 UNMANNED SPACECRAFT  
 VENUS PROBES

### MARINER R 2 SPACE PROBE

GS INTERPLANETARY SPACECRAFT  
 . MARINER SPACE PROBES  
 . . MARINER R 2 SPACE PROBE  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . . MARINER SPACE PROBES  
 . . . MARINER R 2 SPACE PROBE

### MARINER SPACE PROBES

GS INTERPLANETARY SPACECRAFT  
 . MARINER SPACE PROBES  
 . . MARINER R 2 SPACE PROBE  
 . . . MARINER 1 SPACE PROBE  
 . . . MARINER 2 SPACE PROBE  
 . . . MARINER 3 SPACE PROBE  
 . . . MARINER 4 SPACE PROBE  
 . . . MARINER 5 SPACE PROBE  
 . . . MARINER 6 SPACE PROBE  
 . . . MARINER 7 SPACE PROBE  
 . . . MARINER 8 SPACE PROBE  
 . . . MARINER 9 SPACE PROBE  
 . . . MARINER 10 SPACE PROBE  
 . . . MARINER 11 SPACE PROBE  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . . MARINER SPACE PROBES  
 . . . MARINER R 2 SPACE PROBE  
 . . . MARINER 1 SPACE PROBE  
 . . . MARINER 2 SPACE PROBE  
 . . . MARINER 3 SPACE PROBE

## MARINER SPACE PROBES-(CONT.)

. . . MARINER 4 SPACE PROBE  
 . . . MARINER 5 SPACE PROBE  
 . . . MARINER 6 SPACE PROBE  
 . . . MARINER 7 SPACE PROBE  
 . . . MARINER 8 SPACE PROBE  
 . . . MARINER 9 SPACE PROBE  
 . . . MARINER 10 SPACE PROBE  
 . . . MARINER 11 SPACE PROBE

### MARINER SPACECRAFT

GS INTERPLANETARY SPACECRAFT  
 . MARINER SPACECRAFT  
 . . MARINER C SPACECRAFT  
 . . . MARINER VENUS 67 SPACECRAFT  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . . MARINER SPACECRAFT  
 . . . MARINER C SPACECRAFT  
 . . . . MARINER VENUS 67 SPACECRAFT

### MARINER VENUS 67 SPACECRAFT

GS INTERPLANETARY SPACECRAFT  
 . MARINER SPACECRAFT  
 . . MARINER VENUS 67 SPACECRAFT  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . . MARINER SPACECRAFT  
 . . . MARINER VENUS 67 SPACECRAFT  
 RT VENUS PROBES

### MARINER VENUS-MERCURY 1973

GS PROGRAMS  
 . NASA PROGRAMS  
 . . NASA SPACE PROGRAMS  
 . . . MARINER PROGRAM  
 . . . . MARINER VENUS-MERCURY 1973  
 . . . . SPACE PROGRAMS  
 . . . . . NASA SPACE PROGRAMS  
 . . . . . MARINER PROGRAM  
 . . . . . MARINER VENUS-MERCURY 1973  
 . . . . . SPACE MISSIONS  
 . . . . . FLYBY MISSIONS  
 . . . . . MARINER VENUS-MERCURY 1973  
 RT MARINER 10 SPACE PROBE  
 MARINER-MERCURY 1973

### MARINER 1 SPACE PROBE

GS INTERPLANETARY SPACECRAFT  
 . MARINER SPACE PROBES  
 . . MARINER 1 SPACE PROBE  
 . . . VENUS PROBES  
 . . . . MARINER 1 SPACE PROBE  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . . MARINER SPACE PROBES  
 . . . MARINER 1 SPACE PROBE  
 . . . . VENUS PROBES  
 . . . . . MARINER 1 SPACE PROBE

### MARINER 2 SPACE PROBE

GS INTERPLANETARY SPACECRAFT  
 . MARINER SPACE PROBES  
 . . MARINER 2 SPACE PROBE  
 . . . VENUS PROBES  
 . . . . MARINER 2 SPACE PROBE  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . . MARINER SPACE PROBES  
 . . . MARINER 2 SPACE PROBE  
 . . . . VENUS PROBES  
 . . . . . MARINER 2 SPACE PROBE  
 RT ATLAS AGENA 8 LAUNCH VEHICLE

### MARINER 3 SPACE PROBE

GS INTERPLANETARY SPACECRAFT  
 . MARINER SPACE PROBES  
 . . MARINER 3 SPACE PROBE  
 . . . MARS PROBES  
 . . . . MARINER 3 SPACE PROBE  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . . MARINER SPACE PROBES  
 . . . MARINER 3 SPACE PROBE  
 . . . . MARS PROBES  
 . . . . . MARINER 3 SPACE PROBE

### MARINER 4 SPACE PROBE

GS INTERPLANETARY SPACECRAFT  
 . MARINER SPACE PROBES  
 . . MARINER 4 SPACE PROBE  
 . . . MARS PROBES  
 . . . . MARINER 4 SPACE PROBE  
 UNMANNED SPACECRAFT  
 . SPACE PROBES

# MAROTS (ESA)

**MARINER 4 SPACE PROBE-(CONT.)**  
 . . . MARINER SPACE PROBES  
 . . . **MARINER 4 SPACE PROBE**  
 . . . MARS PROBES  
 . . . **MARINER 4 SPACE PROBE**

**MARINER 5 SPACE PROBE**  
 GS INTERPLANETARY SPACECRAFT  
 . . . MARINER SPACE PROBES  
 . . . **MARINER 5 SPACE PROBE**  
 . . . VENUS PROBES  
 . . . **MARINER 5 SPACE PROBE**  
 UNMANNED SPACECRAFT  
 . . . SPACE PROBES  
 . . . MARINER SPACE PROBES  
 . . . **MARINER 5 SPACE PROBE**  
 . . . VENUS PROBES  
 . . . **MARINER 5 SPACE PROBE**  
 RT ATLAS AGENA LAUNCH VEHICLES

**MARINER 6 SPACE PROBE**  
 GS INTERPLANETARY SPACECRAFT  
 . . . MARINER SPACE PROBES  
 . . . **MARINER 6 SPACE PROBE**  
 . . . MARS PROBES  
 . . . **MARINER 6 SPACE PROBE**  
 UNMANNED SPACECRAFT  
 . . . SPACE PROBES  
 . . . MARINER SPACE PROBES  
 . . . **MARINER 6 SPACE PROBE**  
 . . . MARS PROBES  
 . . . **MARINER 6 SPACE PROBE**  
 RT ATLAS AGENA LAUNCH VEHICLES  
 MARS 69 PROJECT

**MARINER 7 SPACE PROBE**  
 GS INTERPLANETARY SPACECRAFT  
 . . . MARINER SPACE PROBES  
 . . . **MARINER 7 SPACE PROBE**  
 . . . MARS PROBES  
 . . . **MARINER 7 SPACE PROBE**  
 UNMANNED SPACECRAFT  
 . . . SPACE PROBES  
 . . . MARINER SPACE PROBES  
 . . . **MARINER 7 SPACE PROBE**  
 . . . MARS PROBES  
 . . . **MARINER 7 SPACE PROBE**  
 RT MARS 69 PROJECT

**MARINER 8 SPACE PROBE**  
 GS INTERPLANETARY SPACECRAFT  
 . . . MARINER SPACE PROBES  
 . . . **MARINER 8 SPACE PROBE**  
 . . . MARS PROBES  
 . . . **MARINER 8 SPACE PROBE**  
 UNMANNED SPACECRAFT  
 . . . SPACE PROBES  
 . . . MARINER SPACE PROBES  
 . . . **MARINER 8 SPACE PROBE**  
 . . . MARS PROBES  
 . . . **MARINER 8 SPACE PROBE**  
 RT MARS 71 PROJECT

**MARINER 9 SPACE PROBE**  
 GS INTERPLANETARY SPACECRAFT  
 . . . MARINER SPACE PROBES  
 . . . **MARINER 9 SPACE PROBE**  
 . . . MARS PROBES  
 . . . **MARINER 9 SPACE PROBE**  
 UNMANNED SPACECRAFT  
 . . . SPACE PROBES  
 . . . MARINER SPACE PROBES  
 . . . **MARINER 9 SPACE PROBE**  
 . . . MARS PROBES  
 . . . **MARINER 9 SPACE PROBE**

**MARINER 10 SPACE PROBE**  
 GS INTERPLANETARY SPACECRAFT  
 . . . MARINER SPACE PROBES  
 . . . **MARINER 10 SPACE PROBE**  
 . . . VENUS PROBES  
 . . . **MARINER 10 SPACE PROBE**  
 UNMANNED SPACECRAFT  
 . . . SPACE PROBES  
 . . . MARINER SPACE PROBES  
 . . . **MARINER 10 SPACE PROBE**  
 . . . VENUS PROBES  
 . . . **MARINER 10 SPACE PROBE**  
 RT MARINER VENUS-MERCURY 1973  
 MARINER-MERCURY 1973

**MARINER 11 SPACE PROBE**  
 GS INTERPLANETARY SPACECRAFT  
 . . . MARINER SPACE PROBES  
 . . . **MARINER 11 SPACE PROBE**

**MARINER 11 SPACE PROBE-(CONT.)**  
 UNMANNED SPACECRAFT  
 . . . SPACE PROBES  
 . . . MARINER SPACE PROBES  
 . . . **MARINER 11 SPACE PROBE**

**MARINER-MERCURY 1973**  
 GS PROGRAMS  
 . . . NASA PROGRAMS  
 . . . NASA SPACE PROGRAMS  
 . . . MARINER PROGRAM  
 . . . **MARINER-MERCURY 1973**  
 . . . SPACE PROGRAMS  
 . . . NASA SPACE PROGRAMS  
 . . . MARINER PROGRAM  
 . . . **MARINER-MERCURY 1973**  
 SPACE MISSIONS  
 . . . FLYBY MISSIONS  
 . . . **MARINER-MERCURY 1973**  
 RT MARINER VENUS-MERCURY 1973  
 MARINER 10 SPACE PROBE

**MARISAT SATELLITES**  
 GS ARTIFICIAL SATELLITES  
 . . . **MARISAT SATELLITES**  
 . . . MARISAT 1 SATELLITE  
 RT COMMUNICATION  
 FLEET SATELLITE COMMUNICATION  
 SYSTEM  
 MAROTS (ESA)  
 RADIO COMMUNICATION

**MARISAT 1 SATELLITE**  
 GS ARTIFICIAL SATELLITES  
 . . . MARISAT SATELLITES  
 . . . **MARISAT 1 SATELLITE**  
 RT RADIO COMMUNICATION

**MARITIME COMMUNICATION SATELLITE (ESA)**  
 USE MAROTS (ESA)

**MARITIME ORBITAL TEST SATELLITE**  
 USE MAROTS (ESA)

**MARITIME SATELLITES**  
 GS ARTIFICIAL SATELLITES  
 . . . **MARITIME SATELLITES**  
 . . . ERS-1 (ESA SATELLITE)  
 . . . MARECS MARITIME SATELLITES  
 . . . MAROTS (ESA)  
 RT MSAT  
 NATIONAL OCEANIC SATELLITE SYSTEM  
 TOPEX

**MARK 1 REENTRY BODY**  
 GS REENTRY VEHICLES  
 . . . **MARK 1 REENTRY BODY**  
 RT INTERCONTINENTAL BALLISTIC MISSILES  
 INTERMEDIATE RANGE BALLISTIC  
 MISSILES

**MARK 1 SPACECRAFT**  
 RT ∞SPACECRAFT

**MARK 2 REENTRY BODY**  
 GS REENTRY VEHICLES  
 . . . **MARK 2 REENTRY BODY**  
 RT INTERCONTINENTAL BALLISTIC MISSILES  
 INTERMEDIATE RANGE BALLISTIC  
 MISSILES

**MARK 3 REENTRY BODY**  
 GS REENTRY VEHICLES  
 . . . **MARK 3 REENTRY BODY**  
 RT INTERCONTINENTAL BALLISTIC MISSILES  
 INTERMEDIATE RANGE BALLISTIC  
 MISSILES

**MARK 4 REENTRY BODY**  
 GS REENTRY VEHICLES  
 . . . **MARK 4 REENTRY BODY**  
 RT INTERCONTINENTAL BALLISTIC MISSILES

**MARK 5 REENTRY BODY**  
 GS REENTRY VEHICLES  
 . . . **MARK 5 REENTRY BODY**  
 RT INTERCONTINENTAL BALLISTIC MISSILES

**MARK 6 REENTRY BODY**  
 GS REENTRY VEHICLES  
 . . . **MARK 6 REENTRY BODY**  
 RT INTERCONTINENTAL BALLISTIC MISSILES

**MARK 11 REENTRY BODY**  
 GS REENTRY VEHICLES  
 . . . **MARK 11 REENTRY BODY**  
 RT INTERCONTINENTAL BALLISTIC MISSILES

**MARK 12 REENTRY BODY**  
 GS REENTRY VEHICLES  
 . . . **MARK 12 REENTRY BODY**  
 RT INTERCONTINENTAL BALLISTIC MISSILES

**MARK 17 REENTRY BODY**  
 GS REENTRY VEHICLES  
 . . . **MARK 17 REENTRY BODY**  
 RT INTERCONTINENTAL BALLISTIC MISSILES

**MARKARIAN GALAXIES**  
 GS CELESTIAL BODIES  
 . . . GALAXIES  
 . . . ACTIVE GALAXIES  
 . . . **MARKARIAN GALAXIES**  
 RT SEYFERT GALAXIES

∞ **MARKERS**  
 SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)  
 RT BEACONS  
 BUOYS  
 CRAYONS  
 DYES  
 RADIO BEACONS  
 RUNWAY LIGHTS  
 SMOKE

**MARKET RESEARCH**  
 GS RESEARCH  
 . . . **MARKET RESEARCH**  
 RT COMMERCE  
 COMMODITIES  
 CONSUMERS  
 MARKETING  
 PRODUCT DEVELOPMENT

**MARKETING**  
 RT COMMERCE  
 CONSUMERS  
 FINANCE  
 INDUSTRIAL AREAS  
 MANAGEMENT  
 MARKET RESEARCH  
 PRODUCT DEVELOPMENT  
 SUPPLYING

**MARKING**  
 UF LABELING (MARKING)  
 TAGGING  
 GS **MARKING**  
 . . . ISOTOPIC LABELING  
 RT DETECTION  
 IDENTIFYING  
 MATERIALS HANDLING  
 PACKAGING  
 STAINING  
 ∞ TRACERS

**MARKOV CHAINS**  
 GS STOCHASTIC PROCESSES  
 . . . MARKOV PROCESSES  
 . . . **MARKOV CHAINS**  
 RT MONTE CARLO METHOD  
 RANDOM WALK

**MARKOV PROCESSES**  
 GS STOCHASTIC PROCESSES  
 . . . **MARKOV PROCESSES**  
 . . . MARKOV CHAINS  
 RT RANDOM PROCESSES

**MAROTS (ESA)**  
 UF MARITIME COMMUNICATION SATELLITE  
 (ESA)  
 GS MARITIME ORBITAL TEST SATELLITE  
 ARTIFICIAL SATELLITES  
 . . . COMMUNICATION SATELLITES  
 . . . **MAROTS (ESA)**  
 . . . ESA SATELLITES  
 . . . **MAROTS (ESA)**  
 . . . MARITIME SATELLITES  
 . . . **MAROTS (ESA)**  
 . . . ESA SPACECRAFT  
 . . . ESA SATELLITES  
 . . . **MAROTS (ESA)**  
 RT EUROPEAN SPACE AGENCY  
 MARISAT SATELLITES



## MARQUARDT R4D ENGINE

### MAROTS (ESA)-(CONT.)

RANGEFINDER  
RESCUE OPERATIONS  
SHIP TERMINALS

### MARQUARDT R4D ENGINE

GS ENGINES  
  **MARQUARDT R4D ENGINE**  
RT APOLLO PROJECT  
  AUXILIARY PROPULSION  
  COMMAND MODULES  
  ∞ REACTION CONTROL  
  SATELLITE ATTITUDE CONTROL  
  SPACECRAFT CONTROL

### ∞ MARS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED-CONSULT THE TERMS  
LISTED BELOW)*  
RT MARS (MANNED REUSABLE  
  SPACECRAFT)  
  MARS (PLANET)  
  NAVIGATION AIDS  
  TRACKING STATIONS

### MARS (MANNED REUSABLE SPACECRAFT)

SN (NOT RESTRICTED TO SPACECRAFT  
  FOR FLIGHT TO PLANET MARS)  
UF MANNED AERODYNAMIC REUSABLE  
  SPACESHIP  
GS MANNED SPACECRAFT  
  **MARS (MANNED REUSABLE  
  SPACECRAFT)**  
  REENTRY VEHICLES  
  RECOVERABLE SPACECRAFT  
  REUSABLE SPACECRAFT  
  **MARS (MANNED REUSABLE  
  SPACECRAFT)**  
RT FERRY SPACECRAFT  
  MANEUVERABLE SPACECRAFT  
  ∞ MARS

### MARS (PLANET)

GS CELESTIAL BODIES  
  PLANETS  
  TERRESTRIAL PLANETS  
  **MARS (PLANET)**  
RT AMOR ASTEROID  
  APOLLO ASTEROIDS  
  DEIMOS  
  DUST STORMS  
  MANNED MARS MISSIONS  
  ∞ MARS  
  MARS ATMOSPHERE  
  MARS ENVIRONMENT  
  MARS SURFACE  
  MARS VOLCANOES  
  PHOBOS  
  PLANETARY CRATERS  
  POLAR CAPS

### MARS ATMOSPHERE

GS ENVIRONMENTS  
  EXTRATERRESTRIAL ENVIRONMENTS  
  PLANETARY ENVIRONMENTS  
  MARS ENVIRONMENT  
  **MARS ATMOSPHERE**  
  PLANETARY ATMOSPHERES  
  **MARS ATMOSPHERE**  
RT AEROSPACE ENVIRONMENTS  
  MARS (PLANET)  
  MARS VOLCANOES  
  PLANETARY IONOSPHERES  
  PLANETARY METEOROLOGY

### MARS CRATERS

GS CRATERS  
  PLANETARY CRATERS  
  **MARS CRATERS**  
RT CRATERING  
  EJECTA  
  IMPACT DAMAGE  
  METEORITE CRATERS  
  METEORITIC DAMAGE

### MARS ENVIRONMENT

GS ENVIRONMENTS  
  EXTRATERRESTRIAL ENVIRONMENTS  
  PLANETARY ENVIRONMENTS  
  **MARS ENVIRONMENT**  
  MARS ATMOSPHERE  
RT DUST STORMS  
  MARS (PLANET)  
  MARS VOLCANOES

### MARS EXCURSION MODULE

UF MEM (EXCURSION MODULE)  
GS MODULES  
  SPACECRAFT MODULES  
  LANDING MODULES  
  **MARS EXCURSION MODULE**  
  SOFT LANDING SPACECRAFT  
  LANDING MODULES  
  **MARS EXCURSION MODULE**  
  SPACECRAFT COMPONENTS  
  SPACECRAFT MODULES  
  LANDING MODULES  
  **MARS EXCURSION MODULE**

### MARS GEOSCIENCE CLIMATOLOGY ORBITER

USE MARS OBSERVER

### MARS LANDING

GS LANDING  
  SPACECRAFT LANDING  
  **MARS LANDING**  
RT AEPS  
  PLANETARY LANDING  
  SOFT LANDING  
  VIKING 75 ENTRY VEHICLE

### MARS OBSERVER

UF MARS GEOSCIENCE CLIMATOLOGY  
  ORBITER  
MGCO  
GS INTERPLANETARY SPACECRAFT  
  MARS PROBES  
  **MARS OBSERVER**  
  UNMANNED SPACECRAFT  
  SPACE PROBES  
  MARS PROBES  
  **MARS OBSERVER**

### MARS PHOTOGRAPHS

GS PHOTOGRAPHS  
  **MARS PHOTOGRAPHS**  
RT PHOTOGRAPHY  
  SATELLITE-BORNE PHOTOGRAPHY  
  SPACEBORNE PHOTOGRAPHY

### MARS PROBES

GS INTERPLANETARY SPACECRAFT  
  **MARS PROBES**  
  ADVANCED RECONN ELECTRIC  
  SPACECRAFT  
  MARINER 3 SPACE PROBE  
  MARINER 4 SPACE PROBE  
  MARINER 6 SPACE PROBE  
  MARINER 7 SPACE PROBE  
  MARINER 8 SPACE PROBE  
  MARINER 9 SPACE PROBE  
  MARS OBSERVER  
  MARS 1 SPACECRAFT  
  MARS 2 SPACECRAFT  
  MARS 3 SPACECRAFT  
  MARS 4 SPACECRAFT  
  MARS 5 SPACECRAFT  
  MARS 6 SPACECRAFT  
  MARS 7 SPACECRAFT  
  VIKING SPACECRAFT  
  VIKING LANDER SPACECRAFT  
  VIKING LANDER 1  
  VIKING LANDER 2  
  VIKING ORBITER SPACECRAFT  
  VIKING ORBITER 1  
  VIKING ORBITER 2  
  VIKING ORBITER 1975  
  VIKING 1 SPACECRAFT  
  VIKING LANDER 1  
  VIKING ORBITER 1  
  VIKING 2 SPACECRAFT  
  VIKING LANDER 2  
  VIKING ORBITER 2  
  VIKING 75 ENTRY VEHICLE  
  ZOND 2 SPACE PROBE  
  UNMANNED SPACECRAFT  
  SPACE PROBES  
  **MARS PROBES**  
  ADVANCED RECONN ELECTRIC  
  SPACECRAFT  
  MARINER 3 SPACE PROBE  
  MARINER 4 SPACE PROBE  
  MARINER 6 SPACE PROBE  
  MARINER 7 SPACE PROBE  
  MARINER 8 SPACE PROBE  
  MARINER 9 SPACE PROBE  
  MARS OBSERVER  
  MARS 1 SPACECRAFT  
  MARS 2 SPACECRAFT  
  MARS 3 SPACECRAFT

### MARS PROBES-(CONT.)

MARS 4 SPACECRAFT  
MARS 5 SPACECRAFT  
MARS 6 SPACECRAFT  
MARS 7 SPACECRAFT  
VIKING SPACECRAFT  
VIKING LANDER SPACECRAFT  
VIKING LANDER 1  
VIKING LANDER 2  
VIKING ORBITER SPACECRAFT  
VIKING ORBITER 1  
VIKING ORBITER 2  
VIKING ORBITER 1975  
VIKING 1 SPACECRAFT  
VIKING LANDER 1  
VIKING ORBITER 1  
VIKING 2 SPACECRAFT  
VIKING LANDER 2  
VIKING ORBITER 2  
ZOND 2 SPACE PROBE  
RT MARINER PROGRAM  
  OUTER PLANETS EXPLORERS  
  VENUS PROBES  
  VOYAGER PROJECT  
  ZOND SPACE PROBES

### MARS SATELLITES

GS CELESTIAL BODIES  
  NATURAL SATELLITES  
  **MARS SATELLITES**  
  DEIMOS  
  PHOBOS

### MARS SURFACE

GS PLANETARY SURFACES  
  **MARS SURFACE**  
RT CANALS  
  DUST STORMS  
  MARS (PLANET)  
  MARS VOLCANOES  
  METEORITE CRATERS  
  PLANETARY CRATERS  
  ∞ SURFACES  
  TOPOGRAPHY

### MARS SURFACE SAMPLES

GS SAMPLES  
  **MARS SURFACE SAMPLES**  
RT ASSAYING  
  CHEMICAL ANALYSIS  
  SPECIMENS  
  ∞ SURFACES  
  VIKING LANDER 1  
  VIKING LANDER 2

### MARS VOLCANOES

GS GEOLOGY  
  VOLCANOES  
  **MARS VOLCANOES**  
  LANDFORMS  
  VOLCANOES  
  **MARS VOLCANOES**  
  PLANETARY GEOLOGY  
  **MARS VOLCANOES**  
RT BASALT  
  CALDERAS  
  CONES (VOLCANOES)  
  EFFUSIVES  
  LAVA  
  MARS (PLANET)  
  MARS ATMOSPHERE  
  MARS ENVIRONMENT  
  MARS SURFACE  
  MOUNTAINS  
  OROGRAPHY  
  PALEOMAGNETISM  
  PETROLOGY  
  ROUSE BELTS  
  VOLCANOLOGY

### MARS 1 SPACECRAFT

GS INTERPLANETARY SPACECRAFT  
  MARS PROBES  
  **MARS 1 SPACECRAFT**  
  SOVIET SPACECRAFT  
  **MARS 1 SPACECRAFT**  
  UNMANNED SPACECRAFT  
  SPACE PROBES  
  MARS PROBES  
  **MARS 1 SPACECRAFT**  
RT U.S.S.R. SPACE PROGRAM

### MARS 2 SPACECRAFT

GS INTERPLANETARY SPACECRAFT  
  MARS PROBES

**MARS 2 SPACECRAFT-(CONT.)**

.. MARS 2 SPACECRAFT  
 SOVIET SPACECRAFT  
 .. MARS 2 SPACECRAFT  
 UNMANNED SPACECRAFT  
 .. SPACE PROBES  
 .. MARS PROBES  
 .. MARS 2 SPACECRAFT  
 RT U.S.S.R. SPACE PROGRAM

**MARS 3 SPACECRAFT**

GS INTERPLANETARY SPACECRAFT  
 .. MARS PROBES  
 .. MARS 3 SPACECRAFT  
 SOVIET SPACECRAFT  
 .. MARS 3 SPACECRAFT  
 UNMANNED SPACECRAFT  
 .. SPACE PROBES  
 .. MARS PROBES  
 .. MARS 3 SPACECRAFT  
 RT U.S.S.R. SPACE PROGRAM

**MARS 4 SPACECRAFT**

GS INTERPLANETARY SPACECRAFT  
 .. MARS PROBES  
 .. MARS 4 SPACECRAFT  
 SOVIET SPACECRAFT  
 .. MARS 4 SPACECRAFT  
 UNMANNED SPACECRAFT  
 .. SPACE PROBES  
 .. MARS PROBES  
 .. MARS 4 SPACECRAFT  
 RT U.S.S.R. SPACE PROGRAM

**MARS 5 SPACECRAFT**

GS INTERPLANETARY SPACECRAFT  
 .. MARS PROBES  
 .. MARS 5 SPACECRAFT  
 SOVIET SPACECRAFT  
 .. MARS 5 SPACECRAFT  
 UNMANNED SPACECRAFT  
 .. SPACE PROBES  
 .. MARS PROBES  
 .. MARS 5 SPACECRAFT  
 RT U.S.S.R. SPACE PROGRAM

**MARS 6 SPACECRAFT**

GS INTERPLANETARY SPACECRAFT  
 .. MARS PROBES  
 .. MARS 6 SPACECRAFT  
 SOVIET SPACECRAFT  
 .. MARS 6 SPACECRAFT  
 UNMANNED SPACECRAFT  
 .. SPACE PROBES  
 .. MARS PROBES  
 .. MARS 6 SPACECRAFT  
 RT U.S.S.R. SPACE PROGRAM

**MARS 7 SPACECRAFT**

GS INTERPLANETARY SPACECRAFT  
 .. MARS PROBES  
 .. MARS 7 SPACECRAFT  
 SOVIET SPACECRAFT  
 .. MARS 7 SPACECRAFT  
 UNMANNED SPACECRAFT  
 .. SPACE PROBES  
 .. MARS PROBES  
 .. MARS 7 SPACECRAFT  
 RT U.S.S.R. SPACE PROGRAM

**MARS 69 PROJECT**

GS PROGRAMS  
 .. NASA PROGRAMS  
 .. NASA SPACE PROGRAMS  
 .. MARS 69 PROJECT  
 PROJECTS  
 .. MARS 69 PROJECT  
 SPACE PROGRAMS  
 .. NASA SPACE PROGRAMS  
 .. MARS 69 PROJECT  
 RT MARINER 6 SPACE PROBE  
 MARINER 7 SPACE PROBE  
 SPACE EXPLORATION

**MARS 71 PROJECT**

GS PROGRAMS  
 .. NASA PROGRAMS  
 .. NASA SPACE PROGRAMS  
 .. MARS 71 PROJECT  
 PROJECTS  
 .. MARS 71 PROJECT  
 SPACE PROGRAMS  
 .. NASA SPACE PROGRAMS  
 .. MARS 71 PROJECT  
 RT MARINER 8 SPACE PROBE

**MARS 71 PROJECT-(CONT.)**  
SPACE EXPLORATION**MARSHES**

USE MARSHLANDS

**MARSHLANDS**

UF BOGS  
 COASTAL MARSHLANDS  
 MARSHES  
 SWAMPS  
 GS LAND  
 RT MARSHLANDS  
 BAYOUS  
 EARTH RESOURCES  
 EARTH SURFACE  
 FLATS (LANDFORMS)  
 MUSKEGS  
 OCEANOGRAPHY  
 TIDAL FLATS  
 WATERFOWL  
 WETLANDS

**MARTENSITE**

RT AUSTENITE  
 HARDENING (MATERIALS)  
 HEAT TREATMENT  
 IRON ALLOYS  
 MARTENSITIC STAINLESS STEELS  
 MICROSTRUCTURE  
 PHASE TRANSFORMATIONS  
 STEELS

**MARTENSITIC STAINLESS STEELS**

GS ALLOYS  
 .. IRON ALLOYS  
 .. STEELS  
 .. STAINLESS STEELS  
 .. MARTENSITIC STAINLESS STEELS  
 RT AUSTENITIC STAINLESS STEELS  
 MARAGING STEELS  
 MARTENSITE

**MARTENSITIC TRANSFORMATION**

GS PHASE TRANSFORMATIONS  
 .. MARTENSITIC TRANSFORMATION  
 RT AUSTENITE

**MARTIN AIRCRAFT**

GS MARTIN AIRCRAFT  
 .. B-26 AIRCRAFT  
 .. B-57 AIRCRAFT  
 RT AIRCRAFT

**MARTINGALES**

RT DECISION THEORY  
 GAME THEORY  
 .. MATHEMATICS  
 PROBABILITY THEORY  
 STOCHASTIC PROCESSES

**MARTINIQUE**

GS LANDFORMS  
 .. ISLANDS  
 .. WEST INDIES  
 .. MARTINIQUE  
 NATIONS  
 .. FRANCE  
 .. MARTINIQUE  
 RT CARIBBEAN REGION

**MARVS (PROGRAMMING LANGUAGE)**

GS LANGUAGES  
 .. PROGRAMMING LANGUAGES  
 .. MACHINE ORIENTED LANGUAGES  
 .. MARVS (PROGRAMMING LANGUAGE)

**MARYLAND**

GS NATIONS  
 .. UNITED STATES  
 .. MARYLAND  
 RT ALLEGHENY PLATEAU (US)  
 ASSATEAGUE ISLAND (MD-VA)  
 CHESAPEAKE BAY (US)  
 DELMARVA PENINSULA (DE-MD-VA)  
 POTOMAC RIVER VALLEY (MD-VA-WV)  
 SUSQUEHANNA RIVER BASIN  
 (MD-NY-PA)

**MASCONS**

GS COMPOSITION (PROPERTY)  
 .. CONCENTRATION (COMPOSITION)  
 .. MASCONS

**MASCONS-(CONT.)**

RT CENTER OF MASS  
 GRAVITY ANOMALIES  
 MASS  
 WEIGHT (MASS)

**MASER OUTPUTS**

GS OUTPUT  
 .. MASER OUTPUTS  
 RT .. COHERENCE  
 DIFFRACTION RADIATION  
 LASER OUTPUTS  
 PULSE DURATION  
 RADIANT FLUX DENSITY  
 WATER MASERS  
 WAVELENGTHS

**MASER RESONATORS**

USE MASERS

**MASERS**

UF MASER RESONATORS  
 PARAMAGNETIC AMPLIFIERS  
 RASERS  
 GS STIMULATED EMISSION DEVICES  
 .. MASERS  
 .. GAS MASERS  
 .. HYDROGEN MASERS  
 .. INTERSTELLAR MASERS  
 .. PROTON MASERS  
 .. TRAVELING WAVE MASERS  
 .. WATER MASERS  
 RT AMPLIFIERS  
 ATOMIC CLOCKS  
 COHERENT ELECTROMAGNETIC RADIATION  
 CROSS RELAXATION  
 DIFFRACTION RADIATION  
 FREQUENCY STANDARDS  
 KRYPTON FLUORIDE LASERS  
 LASERS  
 MICROWAVE AMPLIFIERS  
 MOLECULAR OSCILLATORS  
 RESONATORS  
 STIMULATED EMISSION  
 TRANSIENT OSCILLATIONS  
 TWO-WAVELENGTH LASERS  
 ULTRAVIOLET LASERS

**MASKING**

GS MASKING  
 .. TARGET MASKING  
 RT AUDIOMETRY  
 CHEMISORPTION  
 COVERINGS  
 PHOTOMASKS

**MASKS**

GS MASKS  
 .. OXYGEN MASKS  
 RT CHEMICAL DEFENSE  
 PROTECTIVE CLOTHING

**MASONITE (TRADEMARK)**

RT CELLULOSE  
 .. CONSTRUCTION MATERIALS  
 TREES (PLANTS)  
 WOOD

**MASONRY**

GS MASONRY  
 .. BRICKS  
 RT CEMENTS  
 CERAMICS  
 CLAYS  
 CONCRETES  
 CONSTRUCTION  
 .. CONSTRUCTION MATERIALS  
 MORTARS (MATERIAL)  
 STRUCTURAL MEMBERS  
 TILES  
 VENEERS

**MASS**

UF LOW MASS  
 GS MASS  
 .. CENTER OF MASS  
 .. CRITICAL MASS  
 .. GALACTIC MASS  
 .. MISSING MASS (ASTROPHYSICS)  
 .. PARTICLE MASS  
 .. ELECTRON MASS  
 .. PLANETARY MASS  
 .. STELLAR MASS  
 .. SUBCRITICAL MASS

## MASS BALANCE

### MASS-(CONT.)

RT CENTER OF GRAVITY  
DE BROGLIE WAVELENGTHS  
INERTIA  
MASCONS  
MASS TO LIGHT RATIOS  
MOMENTS OF INERTIA  
RELATIVISTIC EFFECTS  
WEIGHT (MASS)

### ∞ MASS BALANCE

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT BALANCE  
MASS DISTRIBUTION  
MATERIAL BALANCE  
VARIABLE MASS SYSTEMS

### MASS DISTRIBUTION

GS DISTRIBUTION (PROPERTY)  
. **MASS DISTRIBUTION**  
RT AERODYNAMIC BALANCE  
AERODYNAMIC STABILITY  
ANGULAR DISTRIBUTION  
BALANCE  
BALLAST (MASS)  
CHARGE DISTRIBUTION  
COSMOLOGY  
COUNTERBALANCES  
DENSITY WAVE MODEL  
∞ DISTRIBUTION  
FLUX DENSITY  
FORCE DISTRIBUTION  
GALACTIC MASS  
INTERGALACTIC MEDIA  
INTERPLANETARY MEDIUM  
INTERSTELLAR MATTER  
LOADING MOMENTS  
LOADS (FORCES)  
∞ MASS BALANCE  
MASS TO LIGHT RATIOS  
METEOROID CONCENTRATION  
MISSING MASS (ASTROPHYSICS)  
MOMENT DISTRIBUTION  
MOMENTS OF INERTIA  
PRESSURE DISTRIBUTION  
SIZE DISTRIBUTION  
STAR DISTRIBUTION  
STATIC LOADS  
STRUCTURAL DESIGN CRITERIA  
VARIABLE MASS SYSTEMS

### MASS DRIVERS (PAYLOAD DELIVERY)

GS PROPULSION  
. SPACECRAFT PROPULSION  
. . . ELECTROMAGNETIC PROPULSION  
. . . **MASS DRIVERS (PAYLOAD  
DELIVERY)**  
RT MAGNETIC LEVITATION VEHICLES  
MOON-EARTH TRAJECTORIES  
REMOTE MANIPULATOR SYSTEM

### MASS FILTERS

USE FLUID FILTERS

### MASS FLOW

GS FLUID FLOW  
. **MASS FLOW**  
RT CROCCO-LEE THEORY  
∞ FLOW  
FLOW THEORY  
GAS FLOW  
KELVIN-HELMHOLTZ INSTABILITY  
KINETIC THEORY  
LAMINAR FLOW  
LEWIS NUMBERS  
LIQUID FLOW  
MOLECULAR INTERACTIONS  
MULTIPHASE FLOW  
PIPE FLOW  
SEDIMENT TRANSPORT  
SINGLE-PHASE FLOW  
SLIDING  
SLUMPING  
SOLIDS FLOW  
STEADY FLOW  
STEAM FLOW  
TURBULENT FLOW  
UNIFORM FLOW  
UNSTEADY FLOW

### MASS FLOW FACTORS

RT DISCHARGE COEFFICIENT  
FLOW COEFFICIENTS

### MASS FLOW FACTORS-(CONT.)

HEAT TRANSFER COEFFICIENTS  
HEAT TRANSMISSION  
NOZZLE GEOMETRY

### MASS FLOW RATE

GS RATES (PER TIME)  
. **MASS FLOW RATE**  
RT CONVECTIVE FLOW  
DIFFUSION COEFFICIENT  
FLOW VELOCITY  
PNEUMATIC PROBES  
SPECIFIC IMPULSE  
TRANSIENT PRESSURES

### MASS RATIOS

GS RATIOS  
. **MASS RATIOS**  
. . . MASS TO LIGHT RATIOS  
. . . PAYLOAD MASS RATIO  
. . . PROPELLANT MASS RATIO  
RT METALLICITY  
PRESSURE RATIO  
STRUCTURAL WEIGHT  
THRUST-WEIGHT RATIO

### MASS SPECTRA

GS SPECTRA  
. **MASS SPECTRA**  
RT ENERGY SPECTRA  
MOLECULAR SPECTRA  
RADIATION SPECTRA

### MASS SPECTROMETERS

UF ION SPECTROMETERS  
RETARDING ION MASS  
SPECTROMETERS  
GS MEASURING INSTRUMENTS  
. SPECTROMETERS  
. . **MASS SPECTROMETERS**  
RT CHEMICAL ANALYSIS  
GAS ANALYSIS  
MICROANALYSIS  
NEUTRON ACTIVATION ANALYSIS  
QUALITATIVE ANALYSIS

### MASS SPECTROMETRY

USE MASS SPECTROSCOPY

### MASS SPECTROSCOPY

UF MASS SPECTROMETRY  
GS SPECTROSCOPY  
. **MASS SPECTROSCOPY**  
RT CHEMICAL ANALYSIS  
GAS SPECTROSCOPY  
MAGNETIC SPECTROSCOPY  
NUCLEAR RADIATION SPECTROSCOPY  
SPECTROSCOPIC ANALYSIS  
VACUUM SPECTROSCOPY

### MASS TO LIGHT RATIOS

GS RATIOS  
. **MASS RATIOS**  
. . . **MASS TO LIGHT RATIOS**  
RT ASTRONOMY  
ASTROPHYSICS  
GALACTIC RADIATION  
INDEXES (RATIOS)  
LUMINOSITY  
LUMINOUS INTENSITY  
MASS  
MASS DISTRIBUTION  
MISSING MASS (ASTROPHYSICS)  
RADIANT FLUX DENSITY  
STELLAR LUMINOSITY  
STELLAR MASS

### MASS TRANSFER

RT ABLATION  
CHARGE TRANSFER  
CONVECTIVE FLOW  
CONVECTIVE HEAT TRANSFER  
ENERGY TRANSFER  
GAS TRANSPORT  
GAS-LIQUID INTERACTIONS  
HEAT TRANSFER  
LEWIS NUMBERS  
POROUS BOUNDARY LAYER CONTROL  
SEDIMENT TRANSPORT  
TRANSFERRING  
TRANSPIRATION

### MASSACHUSETTS

GS NATIONS

### MASSACHUSETTS-(CONT.)

. UNITED STATES  
. . **MASSACHUSETTS**

### MASSAGING

GS THERAPY  
. **MASSAGING**  
RT FATIGUE (BIOLOGY)  
RELAXATION (PHYSIOLOGY)

### MASSIFS

GS LANDFORMS  
. **MASSIFS**  
RT EARTH CRUST  
∞ FAULTS  
GEOLOGICAL FAULTS  
GEOLOGY  
MOUNTAINS

### MAST SHOCK TUBES

USE MAGNETIC ANNULAR SHOCK TUBES

### MASTICATION

UF CHEWING  
RT DIGESTING  
EATING  
TEETH

### MASTOIDS

GS ANATOMY  
. HEAD (ANATOMY)  
. . SKULL  
. . . **MASTOIDS**  
. . . MUSCULOSKELETAL SYSTEM  
. . . BONES  
. . . SKULL  
. . . **MASTOIDS**  
RT CRANIUM  
EAR

### MATCHED FILTERS

GS ELECTROMAGNETIC WAVE FILTERS  
. **MATCHED FILTERS**  
RT COMMUNICATION EQUIPMENT  
DEMODULATORS  
∞ FILTERS  
MODULATORS  
SIGNAL TO NOISE RATIOS

### MATCHING

RT ADJUSTING  
COMPARISON  
FITTING  
HOMOLOGY  
IMAGE RESOLUTION  
IMPEDANCE MATCHING  
MISMATCH (ELECTRICAL)  
PATTERN REGISTRATION

### MATERIAL ABSORPTION

RT ABSORBENTS  
ABSORBERS (EQUIPMENT)  
∞ ABSORPTION  
ASSIMILATION  
EXTRACTION  
HYGROSCOPICITY  
RADIATION ABSORPTION  
SORPTION  
WATER TREATMENT

### MATERIAL BALANCE

GS **MATERIAL BALANCE**  
. WATER BALANCE  
RT BALANCE  
HEAT BALANCE  
∞ MASS BALANCE  
STOICHIOMETRY

### MATERIAL REMOVAL (MACHINING)

USE MACHINING

### MATERIAL STRENGTH

USE MECHANICAL PROPERTIES

### ∞ MATERIALS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
UF SUBSTANCES  
RT ABLATIVE MATERIALS  
ABSORBENTS  
ABSORBERS (MATERIALS)  
ACCEPTOR MATERIALS  
AGING (MATERIALS)

## MATHEMATICAL MODELS

### MATERIALS-(CONT.)

AIRCRAFT CONSTRUCTION MATERIALS  
 AIRFRAME MATERIALS  
 AMORPHOUS MATERIALS  
 ANISOTROPIC MEDIA  
 BINARY SYSTEMS (MATERIALS)  
 BINDERS (MATERIALS)  
 BITUMENS  
 BORON REINFORCED MATERIALS  
 BORSIC (TRADENAME)  
 BRITTLE MATERIALS  
 CARBONACEOUS MATERIALS  
 COMPOSITE MATERIALS  
 CONCRETE STRUCTURES  
 ∞ CONSTRUCTION MATERIALS  
 CONTAMINANTS  
 CORK (MATERIALS)  
 CURL (MATERIALS)  
 DISLOCATIONS (MATERIALS)  
 DONOR MATERIALS  
 DREDGED MATERIALS  
 ELECTRIC FURNACES  
 ELECTRONS  
 EPOXY MATRIX COMPOSITES  
 FATIGUE (MATERIALS)  
 FERRIMAGNETIC MATERIALS  
 FERROMAGNETIC MATERIALS  
 FISSIONABLE MATERIALS  
 FOAMS  
 FOILS (MATERIALS)  
 FRACTURES (MATERIALS)  
 GLASS  
 GLASSY CARBON  
 GRANULAR MATERIALS  
 GRAPHITE-EPOXY COMPOSITES  
 HOLES (ELECTRON DEFICIENCIES)  
 ∞ INORGANIC MATERIALS  
 INSULATION  
 LAMINATES  
 LASER MATERIALS  
 LOSSLESS MATERIALS  
 LOW DENSITY MATERIALS  
 MAGNETIC MATERIALS  
 MATERIALS HANDLING  
 MATERIALS RECOVERY  
 ∞ MATERIALS SCIENCE  
 ∞ MATERIALS TESTS  
 MATRIX MATERIALS  
 MECHANICAL PROPERTIES  
 METAL MATRIX COMPOSITES  
 MOLDING MATERIALS  
 NONFLAMMABLE MATERIALS  
 ORGANIC MATERIALS  
 PAPER (MATERIAL)  
 PHASE CHANGE MATERIALS  
 PHOTOELASTIC MATERIALS  
 PHOTOELECTRIC MATERIALS  
 POLYMER MATRIX COMPOSITES  
 POROUS MATERIALS  
 PYROLYTIC MATERIALS  
 PYROPHORIC MATERIALS  
 RADIOACTIVE MATERIALS  
 RADOME MATERIALS  
 REACTOR MATERIALS  
 REFRACTORY MATERIALS  
 REINFORCING MATERIALS  
 RESERVES  
 RESOURCES  
 SELF LUBRICATING MATERIALS  
 SEMICONDUCTORS (MATERIALS)  
 SIZING MATERIALS  
 SOLIDS  
 SPACECRAFT CONSTRUCTION MATERIALS  
 SPONGES (MATERIALS)  
 STRATEGIC MATERIALS  
 SUPERHYBRID MATERIALS  
 THERMOCHROMATIC MATERIALS  
 THERMOELECTRIC MATERIALS  
 THICKENERS (MATERIALS)  
 THREE DIMENSIONAL COMPOSITES  
 VITREOUS MATERIALS  
 VYCOR

### MATERIALS HANDLING

GS MATERIALS HANDLING  
 . GROUND HANDLING  
 . PROPELLANT TRANSFER  
 . REMOTE HANDLING  
 RT AIRFIELD SURFACE MOVEMENTS  
 ∞ AUTOMATION  
 BLOWERS  
 CANALS  
 CARGO  
 CARGO AIRCRAFT  
 CARTS

### MATERIALS HANDLING-(CONT.)

CHEMICAL ENGINEERING  
 CHUTES  
 ∞ CONTAINERS  
 CONTINGENCY  
 CONVEYORS  
 CRANES  
 DELIVERY  
 DISPENSERS  
 DISPOSAL  
 DISTRIBUTING  
 ∞ DISTRIBUTION  
 DISTRIBUTORS  
 DOLLIES  
 DUMPING  
 EJECTION  
 EJECTORS  
 EMPTYING  
 ENCAPSULATING  
 EXCAVATION  
 FEEDERS  
 FEEDING (SUPPLYING)  
 FLUID FLOW  
 FUEL PUMPS  
 HAULING  
 HEAVY LIFT AIRSHIPS  
 HOPPERS  
 LOADING OPERATIONS  
 LUNAR LOGISTICS  
 MARKING  
 ∞ MATERIALS  
 MECHANICAL ENGINEERING  
 MINES (EXCAVATIONS)  
 MOORING  
 PACKAGING  
 PIPELINES  
 ∞ PUMPING  
 PUMPS  
 RAILROAD HUMPING TESTS  
 RELEASING  
 RIGGING  
 SERVICES  
 SIPHONS  
 SPRAYERS  
 SPREADING  
 STACKS  
 ∞ STORAGE  
 TANKS (CONTAINERS)  
 TRACTORS  
 TRANSFERRING  
 TRANSPORTATION  
 TRUCKS  
 UNLOADING  
 VACUUM PUMPS  
 WASTE DISPOSAL  
 WHARVES

### MATERIALS RECOVERY

SN (LIMITED TO TREATMENT OF A MATERIAL TO RECLAIM ONE OR MORE OF ITS COMPONENTS)  
 GS RECLAMATION  
 . MATERIALS RECOVERY  
 . . NUCLEAR FUEL REPROCESSING  
 . . SOLVOLYSIS  
 . . WATER RECLAMATION  
 RT ∞ ABSORPTION  
 BY-PRODUCTS  
 CENTRIFUGING  
 CRYSTALLIZATION  
 DISPOSAL  
 DISTILLATION  
 EXTRACTION  
 FILTRATION  
 ∞ MATERIALS  
 ∞ PRECIPITATION  
 PRECIPITATION (CHEMISTRY)  
 ∞ PROCESSING  
 ∞ RECOVERY  
 RECYCLING  
 REFINING  
 REMOVAL  
 ∞ SEPARATION

### ∞ MATERIALS SCIENCE

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
 RT CERAMICS  
 LASER CUTTING  
 ∞ MATERIALS  
 METAL FOAMS  
 PLASTICS  
 ∞ PROPERTIES  
 ∞ SCIENCE

### MATERIALS TESTING REACTORS

USE NUCLEAR RESEARCH AND TEST REACTORS

### ∞ MATERIALS TESTS

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
 RT BEND TESTS  
 BURST TESTS  
 CHARPY IMPACT TEST  
 CHEMICAL ANALYSIS  
 COMPRESSION TESTS  
 CORROSION TESTS  
 DESTRUCTIVE TESTS  
 ELECTROPHOTOMETRY  
 ENVIRONMENTAL TESTS  
 FATIGUE TESTS  
 FUEL TESTS  
 GAS ANALYSIS  
 HARDNESS TESTS  
 HIGH TEMPERATURE TESTS  
 IMPACT TESTS  
 LUBRICANT TESTS  
 MAGNETIC MEASUREMENT  
 ∞ MATERIALS  
 MECHANICAL PROPERTIES  
 METALLOGRAPHY  
 MICROANALYSIS  
 NEUTRON RADIOGRAPHY  
 NONDESTRUCTIVE TESTS  
 PROPELLANT TESTS  
 QUALITY  
 QUALITY CONTROL  
 RADIOGRAPHY  
 SPECIFICATIONS  
 STATIC TESTS  
 ∞ TESTS  
 ∞ ULTRASONIC TESTS  
 WEAR TESTS  
 X RAY ANALYSIS  
 X RAY SPECTROSCOPY

### MATHEMATICAL ANALYSIS

USE APPLICATIONS OF MATHEMATICS

### MATHEMATICAL LOGIC

GS MATHEMATICAL LOGIC  
 . ALGORITHMS  
 . . PARSING ALGORITHMS  
 . . SIMPLEX METHOD  
 . AXIOMS  
 . FORMULAS (MATHEMATICS)  
 . . BETHE-HEITLER FORMULA  
 . LATTICES (MATHEMATICS)  
 . . BOOLEAN ALGEBRA  
 . . . BOOLEAN FUNCTIONS  
 . SET THEORY  
 . . BOREL SETS  
 . . EQUIVALENCE  
 . . THRESHOLD LOGIC  
 RT BRANCHING (MATHEMATICS)  
 FUNCTIONS (MATHEMATICS)  
 HYPOTHESES  
 INDUCTION (MATHEMATICS)  
 INSTRUCTION SETS (COMPUTERS)  
 ∞ LOGIC  
 PHILOSOPHY  
 PROVING  
 THEOREMS  
 TURING MACHINES  
 VENN DIAGRAMS

### MATHEMATICAL MODELS

GS MODELS  
 . MATHEMATICAL MODELS  
 . . ANALOG SIMULATION  
 . . BIOLOGICAL MODELS (MATHEMATICS)  
 . . DIGITAL SIMULATION  
 . . MANDELSTAM REPRESENTATION  
 . . PETRI NETS  
 . . THOMAS-FERMI MODEL  
 . . VENEZIANO MODEL  
 RT AIRCRAFT MODELS  
 ∞ APPLICATIONS OF MATHEMATICS  
 ASTRONOMICAL MODELS  
 ASYMPTOTIC PROPERTIES  
 ATMOSPHERIC MODELS  
 BOND GRAPHS  
 BROKEN SYMMETRY  
 CHAOS  
 COMPUTATIONAL ASTROPHYSICS  
 COMPUTATIONAL GRIDS  
 COMPUTER SYSTEMS SIMULATION  
 COMPUTERIZED SIMULATION

## MATHEMATICAL PROGRAMMING

### MATHEMATICAL MODELS-(CONT.)

CONTINUUM MODELING  
CONTROL SYSTEMS DESIGN  
DECISION THEORY  
DYNAMIC MODELS  
DYNAMIC PROGRAMMING  
DYNAMICAL SYSTEMS  
EXHAUST FLOW SIMULATION  
EXPERIMENT DESIGN  
FACTORIAL DESIGN  
FLOW CHARTS  
FOOTPRINTS  
FORECASTING  
FUNCTIONS (MATHEMATICS)  
GAME THEORY  
GOODNESS OF FIT  
GRAPH THEORY  
INELASTIC STRESS  
INVENTORY CONTROLS  
LIKELIHOOD RATIO  
LINEAR PREDICTION  
LOFTING  
LUMPED PARAMETER SYSTEMS  
METHOD OF MOMENTS  
MISSILE SIMULATORS  
MODEL REFERENCE ADAPTIVE CONTROL  
MONTE CARLO METHOD  
NUMERICAL WEATHER FORECASTING  
OCEAN MODELS  
OPERATIONS RESEARCH  
OUTLIERS (STATISTICS)  
PARAMETER IDENTIFICATION  
PARAMETERIZATION  
QUANTILES  
QUEUEING THEORY  
REGRESSION COEFFICIENTS  
RISK  
ROBUSTNESS (MATHEMATICS)  
SCHEDULING  
SIMILARITY THEOREM  
SIMULATION  
SPACECRAFT MODELS  
SPATIAL DEPENDENCIES  
STATISTICAL DISTRIBUTIONS  
STOCHASTIC PROCESSES  
SYSTEM IDENTIFICATION  
SYSTEMS ANALYSIS  
SYSTEMS ENGINEERING  
SYSTEMS SIMULATION  
TRAJECTORY ANALYSIS  
TWO DIMENSIONAL BODIES  
VALIDITY  
WAR GAMES

### MATHEMATICAL PROGRAMMING

SN (LIMITED TO MATHEMATICAL OPTIMIZATION THEORY-EXCLUDES COMPUTER PROGRAMMING)  
GS OPTIMIZATION  
MATHEMATICAL PROGRAMMING  
DYNAMIC PROGRAMMING  
LINEAR PROGRAMMING  
NONLINEAR PROGRAMMING  
QUADRATIC PROGRAMMING  
RT GAME THEORY  
OPERATIONS RESEARCH  
PROGRAMMING  
SIMPLEX METHOD

### MATHEMATICAL TABLES

GS TABLES (DATA)  
MATHEMATICAL TABLES  
RT INFORMATION  
NUMERICAL ANALYSIS  
RANDOM NUMBERS

### MATHEMATICS

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
RT ALGEBRA  
ANALYSIS (MATHEMATICS)  
AXIOMS  
BOND GRAPHS  
CALCULUS  
CURRENT ALGEBRA  
DUALITY THEOREM  
FORMULAS (MATHEMATICS)  
FRACTALS  
FUNCTIONS (MATHEMATICS)  
GEOMETRY  
INEQUALITIES  
INFORMATION THEORY  
INTEGRALS

### MATHEMATICS-(CONT.)

LATIN SQUARE METHOD  
LATTICES (MATHEMATICS)  
MARTINGALES  
MORPHOLOGY  
NUMBER THEORY  
NUMERICAL ANALYSIS  
PRIMITIVE EQUATIONS  
PRINCIPLES  
PROBABILITY THEORY  
RINGS (MATHEMATICS)  
SCIENCE  
SERIES EXPANSION  
STARS (MATHEMATICS)  
STATISTICAL ANALYSIS  
SUPERPOSITION (MATHEMATICS)  
SYMBOLS  
THEOREMS

### MATHIEU EQUATION

USE MATHIEU FUNCTION

### MATHIEU FUNCTION

UF MATHIEU EQUATION  
GS ANALYSIS (MATHEMATICS)  
COMPLEX VARIABLES  
MATHIEU FUNCTION  
FUNCTIONS (MATHEMATICS)  
MATHIEU FUNCTION  
BOUNDARY VALUE PROBLEMS  
DIFFERENTIAL EQUATIONS  
EIGENVECTORS  
EQUATIONS  
HILL DETERMINANT  
ORTHOGONAL FUNCTIONS

### MATRA MISSILE

GS MISSILES  
AIR TO AIR MISSILES  
MATRA MISSILE  
RT SOLID PROPELLANT ROCKET ENGINES

### MATRICES

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
RT COMPOSITE MATERIALS  
EPOXY MATRIX COMPOSITES  
EUTECTIC COMPOSITES  
GRIDS  
IMBEDDINGS  
LATTICES (MATHEMATICS)  
MATRICES (CIRCUITS)  
MATRICES (MATHEMATICS)  
METAL MATRIX COMPOSITES  
MONOTECTIC ALLOYS  
POLYMER MATRIX COMPOSITES

### MATRICES (CIRCUITS)

GS CIRCUITS  
MATRICES (CIRCUITS)  
RT LOGIC CIRCUITS  
MATRICES  
SWITCHING CIRCUITS

### MATRICES (MATHEMATICS)

UF DIFFERENTIAL ALGEBRA  
MATRIX ANALYSIS  
GS ALGEBRA  
VECTOR SPACES  
MATRICES (MATHEMATICS)  
ADJOINTS  
CANONICAL FORMS  
EIGENVALUES  
EIGENVECTORS  
HESSIAN MATRICES  
JORDAN FORM  
STIFFNESS MATRIX  
RT ARRAYS  
CHIRAL DYNAMICS  
DETERMINANTS  
ENERGY METHODS  
FACTOR ANALYSIS  
FINITE ELEMENT METHOD  
GAUSSIAN ELIMINATION  
HERMITIAN POLYNOMIAL  
ISOPERIMETRIC PROBLEM  
LINEAR EQUATIONS  
LINEAR PROGRAMMING  
LINEAR TRANSFORMATIONS  
LUMPED PARAMETER SYSTEMS  
MATRICES  
METHOD OF MOMENTS  
ROOTS OF EQUATIONS  
SIMPLEX METHOD

### MATRICES (MATHEMATICS)-(CONT.)

SIMULTANEOUS EQUATIONS  
SUBGROUPS  
U SPIN SPACE  
WALSH FUNCTION

### MATRIX ANALYSIS

USE MATRICES (MATHEMATICS)

### MATRIX MANAGEMENT

GS MANAGEMENT  
MATRIX MANAGEMENT  
RT ALLOCATIONS  
LOGISTICS  
MANAGEMENT METHODS  
METHODOLOGY  
OPERATIONS RESEARCH  
PRODUCTIVITY  
PROJECT PLANNING  
SCHEDULING  
TASKS

### MATRIX MATERIALS

RT BISMALEIMIDE  
CERAMIC MATRIX COMPOSITES  
COMPOSITE MATERIALS  
EPOXY MATRIX COMPOSITES  
FIBER COMPOSITES  
LAMINATES  
MATERIALS  
METAL MATRIX COMPOSITES  
POLYMER MATRIX COMPOSITES  
REINFORCING MATERIALS  
RESIN MATRIX COMPOSITES

### MATRIX METHODS

SN (LIMITED TO METHODS FOR STRUCTURAL ANALYSIS)  
UF MATRIX STRESS CALCULATION  
GS STRUCTURAL ANALYSIS  
MATRIX METHODS  
RT EQUILIBRIUM METHODS  
METHODOLOGY  
NASTRAN  
SPLINE FUNCTIONS

### MATRIX STRESS CALCULATION

USE MATRIX METHODS

### MATRIX THEORY

RT OPERATORS (MATHEMATICS)  
THEORIES

### MATTER (PHYSICS)

GS MATTER (PHYSICS)  
DARK MATTER  
DEGENERATE MATTER  
RT ANTIMATTER  
CONDENSED MATTER PHYSICS  
EXTRATERRESTRIAL MATTER  
PHYSICS  
ROTATING MATTER

### MATTS (SYSTEMS)

UF MULTIPLE TARGET TRAJECTORY SYSTEMS  
GS TRACKING NETWORKS  
MATTS (SYSTEMS)  
RT ABORT TRAJECTORIES  
AIRBORNE EQUIPMENT  
ANGULAR CORRELATION  
TARGET ACQUISITION

### MATURING

USE GROWTH

### MAULER MISSILE

GS MISSILES  
ANTIAIRCRAFT MISSILES  
MAULER MISSILE  
ANTIMISSILE MISSILES  
MAULER MISSILE  
SURFACE TO AIR MISSILES  
MAULER MISSILE  
RT SINGLE STAGE ROCKET VEHICLES  
SOLID PROPELLANT ROCKET ENGINES

### MAURITANIA

GS NATIONS  
MAURITANIA  
RT AFRICA

### MAVERICK MISSILES

GS MISSILES

**MAVERICK MISSILES-(CONT.)**

- . AIR TO SURFACE MISSILES
- . **MAVERICK MISSILES**

**MAX HOLSTE MH-262 AIRCRAFT**

- USE MH-262 AIRCRAFT

**MAXIMA**

- GS ANALYSIS (MATHEMATICS)
  - . REAL VARIABLES
  - . . . EXTREMUM VALUES
  - . . . **MAXIMA**
- RT APEXES
  - CALCULUS OF VARIATIONS
  - CUSPS (MATHEMATICS)
  - MINIMA
  - OPTIMIZATION
- ∞ PEAKS
  - PENALTY FUNCTION
  - RANGE (EXTREMES)
  - ZENITH

**MAXIMUM ENTROPY METHOD**

- GS ENTROPY (STATISTICS)
  - . **MAXIMUM ENTROPY METHOD**
  - SPECTRUM ANALYSIS
  - . **MAXIMUM ENTROPY METHOD**
- RT DISTRIBUTION FUNCTIONS
  - ENTROPY
  - FOURIER TRANSFORMATION
  - INFORMATION THEORY
- ∞ METHODOLOGY
  - POWER SPECTRA
  - SIGNAL PROCESSING
  - SIGNAL TO NOISE RATIOS
  - STATISTICAL ANALYSIS
  - TIME SERIES ANALYSIS

**MAXIMUM LIKELIHOOD ESTIMATES**

- RT CONFIDENCE LIMITS
  - FORECASTING
  - GOODNESS OF FIT
  - LIKELIHOOD RATIO
  - PARAMETER IDENTIFICATION
  - PREDICTIONS
  - RELIABILITY
  - RISK
  - SYSTEM IDENTIFICATION

**MAXIMUM PRINCIPLE**

- RT COMPLEX VARIABLES
  - DIFFERENTIAL EQUATIONS
  - ELLIPTIC DIFFERENTIAL EQUATIONS
  - HARMONIC FUNCTIONS
  - PONTRYAGIN PRINCIPLE
  - REAL VARIABLES

**MAXIMUM USABLE FREQUENCY**

- GS FREQUENCIES
  - . **MAXIMUM USABLE FREQUENCY**
- RT FREQUENCY ASSIGNMENT
  - FREQUENCY REUSE
  - HIGH FREQUENCIES
  - VERY HIGH FREQUENCIES

**MAXWELL BODIES**

- RT CLASSICAL MECHANICS
  - CONTINUUM MECHANICS
  - HOOKES LAW
  - OSCILLATION DAMPERS
  - RELAXATION TIME

**MAXWELL EQUATION**

- RT BOLTZMANN-VLASOV EQUATION
  - BORN-INFELD THEORY
  - ELECTRICITY
  - ELECTRODYNAMICS
  - ELECTROMECHANICS
- ∞ EQUATIONS
  - GAUSS EQUATION
  - MAGNETIC CHARGE DENSITY
  - MAGNETIC PROPERTIES
  - MAGNETOELECTRIC MEDIA
  - POYNTING THEOREM
- ∞ STOKES LAW

**MAXWELL FLUIDS**

- RT COMPRESSIBLE FLUIDS
  - FLUID MECHANICS
- ∞ FLUIDS
  - RHEOLOGY
  - VISCOELASTICITY
  - VISCOUS FLOW
  - VISCOUS FLUIDS

**MAXWELL-BOLTZMANN DENSITY FUNCTION**

- UF MAXWELLIAN DISTRIBUTION (DENSITY)
- GS FUNCTIONS (MATHEMATICS)
  - . **MAXWELL-BOLTZMANN DENSITY FUNCTION**
  - STATISTICAL ANALYSIS
  - . **MAXWELL-BOLTZMANN DENSITY FUNCTION**
- RT DENSITY DISTRIBUTION
  - KINETIC THEORY
  - PROBABILITY THEORY
  - STATISTICAL MECHANICS

**MAXWELL-MOHR METHOD**

- RT DEFLECTION
  - ∞ EQUILIBRIUM
  - ∞ METHODOLOGY
  - STATIC DEFORMATION
  - TRUSSES

**MAXWELLIAN DISTRIBUTION (DENSITY)**

- USE MAXWELL-BOLTZMANN DENSITY FUNCTION

**MAYER PROBLEM**

- RT ∞ CONDENSATION
  - CRITICAL POINT
  - GIBBS FREE ENERGY
  - ∞ MOLECULAR PHYSICS
  - ∞ PROBLEMS
  - SUPERSATURATION

**MAYPOLE ANTENNAS**

- RT ANTENNA DESIGN
  - LARGE SPACE STRUCTURES
  - SPACE ERECTABLE STRUCTURES

**MAZE LEARNING**

- GS LEARNING
  - . **MAZE LEARNING**
- RT PROBLEM SOLVING

**MB-1 ROCKET VEHICLE**

- USE GENIE ROCKET VEHICLE

**MBM JUNCTIONS**

- UF METAL-BARRIER-METAL JUNCTIONS
- GS SEMICONDUCTOR JUNCTIONS
  - . **MBM JUNCTIONS**
- RT BARRIER LAYERS
  - ∞ BARRIERS
  - JUNCTION TRANSISTORS
  - SOLID STATE DEVICES

**MCDONNELL AIRCRAFT**

- GS MCDONNELL DOUGLAS AIRCRAFT
  - . **MCDONNELL AIRCRAFT**
  - . . C-9 AIRCRAFT
  - . . DC 10 AIRCRAFT
  - . . F-101 AIRCRAFT
  - . . PHANTOM AIRCRAFT
  - . . F-4 AIRCRAFT
  - . . RF-4 AIRCRAFT
- RT ∞ AIRCRAFT

**MCDONNELL DOUGLAS AIRCRAFT**

- GS **MCDONNELL DOUGLAS AIRCRAFT**
  - . DOUGLAS AIRCRAFT
  - . . A-1 AIRCRAFT
  - . . A-3 AIRCRAFT
  - . . A-4 AIRCRAFT
  - . . B-66 AIRCRAFT
  - . . C-9 AIRCRAFT
  - . . C-47 AIRCRAFT
  - . . C-54 AIRCRAFT
  - . . C-118 AIRCRAFT
  - . . C-124 AIRCRAFT
  - . . C-133 AIRCRAFT
  - . . D-558 AIRCRAFT
  - . . DC 3 AIRCRAFT
  - . . DC 7 AIRCRAFT
  - . . DC 8 AIRCRAFT
  - . . DC 9 AIRCRAFT
  - . . DC 10 AIRCRAFT
  - . . PD-808 AIRCRAFT
  - . . X-3 AIRCRAFT
  - . . F-18 AIRCRAFT
- . MCDONNELL AIRCRAFT
  - . . C-9 AIRCRAFT
  - . . DC 10 AIRCRAFT
  - . . F-101 AIRCRAFT
  - . . PHANTOM AIRCRAFT
  - . . F-4 AIRCRAFT
  - . . RF-4 AIRCRAFT

**MCDONNELL DOUGLAS AIRCRAFT-(CONT.)**

- RT ∞ AIRCRAFT

**MCLAURIN SERIES**

- USE MACLAURIN SERIES

**MCLEOD GAGES**

- GS MEASURING INSTRUMENTS
  - . PRESSURE GAGES
  - . . VACUUM GAGES
  - . . . **MCLEOD GAGES**
  - VACUUM APPARATUS
  - . VACUUM GAGES
  - . . **MCLEOD GAGES**
- RT IONIZATION GAGES
  - KNUDSEN GAGES
  - PIRANI GAGES
  - PRESSURE MEASUREMENT

**MCMURDO SOUND**

- GS REGIONS
  - . POLAR REGIONS
  - . . ANTARCTIC REGIONS
  - . . . **MCMURDO SOUND**
  - SOUNDS (TOPOGRAPHIC FEATURES)
  - . **MCMURDO SOUND**
  - SOUTHERN HEMISPHERE
  - . ANTARCTIC REGIONS
  - . . **MCMURDO SOUND**
- RT ROSS ICE SHELF

**MCR REACTORS**

- USE MILITARY COMPACT REACTORS

**MDA**

- USE MULTIPLE DOCKING ADAPTERS

**ME P-160 AIRCRAFT**

- USE P-160 AIRCRAFT

**ME P-308 AIRCRAFT**

- USE P-308 AIRCRAFT

**MEADOWLANDS**

- USE GRASSLANDS

**MEAN**

- GS AVERAGE
  - . **MEAN**
  - MOMENTS
  - . DISTRIBUTION MOMENTS
  - . . **MEAN**
- RT MEDIAN (STATISTICS)
  - MODE (STATISTICS)
  - NORMALITY
  - QUALITY CONTROL
  - RANGE (EXTREMES)
  - STATISTICAL ANALYSIS
  - VARIANCE (STATISTICS)

**MEAN FREE PATH**

- RT COLLISION PARAMETERS
  - ∞ CROSS SECTIONS
  - KNUDSEN FLOW
  - PARTICLE COLLISIONS
  - PARTICLE MOTION
- ∞ PATHS
  - SCATTERING
  - VACUUM

**MEAN SQUARE VALUES**

- GS ANALYSIS (MATHEMATICS)
  - . NUMERICAL ANALYSIS
  - . . APPROXIMATION
  - . . . **MEAN SQUARE VALUES**
- RT ALGORITHMS
  - ERROR ANALYSIS
  - LEAST SQUARES METHOD

**MEAN TIME BETWEEN FAILURES**

- USE MTBF

**MEANDERS**

- RT OPEN CHANNEL FLOW
  - RAPIDS
  - RIVER BASINS
  - RIVERS
  - STREAMS
  - TOPOGRAPHY
  - VALLEYS

## MEASURE AND INTEGRATION

### MEASURE AND INTEGRATION

- UF INTEGRATION (REAL VARIABLES)
- MEASURE THEORY
- RIEMANN INTEGRAL
- GS ANALYSIS (MATHEMATICS)
- REAL VARIABLES
- MEASURE AND INTEGRATION
- BINARY INTEGRATION
- BOREL SETS
- FUNCTIONAL INTEGRATION
- INTEGRAL CALCULUS
- J INTEGRAL
- LEBESGUE THEOREM
- NUMERICAL INTEGRATION
- RUNGE-KUTTA METHOD
- STIELTJES INTEGRAL
- WEIGHTING FUNCTIONS
- RT FOURIER ANALYSIS

### MEASURE THEORY

- USE MEASURE AND INTEGRATION

### MEASUREMENT

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- UF DETERMINATION
- MEASURING
- QUANTIZATION
- RT ACCURACY
- ACOUSTIC MEASUREMENT
- AIRBORNE RANGE AND ORBIT DETERMINATION
- AIRCRAFT INSTRUMENTS
- ANALOG DATA
- ASTROMETRY
- AUDIOMETRY
- CHEMICAL ANALYSIS
- CONFIDENCE LIMITS
- CONSISTENCY COUNTING
- DATA
- DEFINITION
- DENSIMETERS
- DENSITY MEASUREMENT
- DEPTH MEASUREMENT
- DETECTION
- DILATOMETRY
- DIMENSIONAL MEASUREMENT
- DOWNRANGE ANTIMISSILE MEASUREMENT PROGRAM
- DOWNRANGE MEASUREMENT
- DRAG MEASUREMENT
- EARTH TERMINAL MEASUREMENT SYSTEM
- ELECTRICAL MEASUREMENT
- ELECTROMAGNETIC MEASUREMENT
- ELECTROMAGNETIC NOISE MEASUREMENT
- ESTIMATING
- EVALUATION
- EXAMINATION
- FLOW MEASUREMENT
- FREQUENCY MEASUREMENT
- FRICTION MEASUREMENT
- GAMMA RAY ABSORPTIOMETRY
- GEOMETRY
- GRAVIMETRY
- HEAT MEASUREMENT
- HIGH ALT TARGET AND BACKGROUND MEASUREMENT
- HUMIDITY MEASUREMENT
- IDENTIFYING
- INTERNATIONAL SYSTEM OF UNITS
- LATITUDE MEASUREMENT
- LONGITUDE MEASUREMENT
- MACROSCOPIC EQUATIONS
- MAGNETIC MEASUREMENT
- MEASURES
- MEASURING INSTRUMENTS
- MECHANICAL MEASUREMENT
- METROLOGY
- MONITORS
- NOISE MEASUREMENT
- OPTICAL MEASUREMENT
- OPTOMETRY
- PHOTOGRAPHIC MEASUREMENT
- PNEUMOGRAPHY
- PRESSURE MEASUREMENT
- PROVING
- PUPILLOMETRY
- RADAR MEASUREMENT
- RADIATION MEASUREMENT
- RADIOACTIVE AGE DETERMINATION
- RANGEFINDING

### MEASUREMENT-(CONT.)

- SIGNAL MEASUREMENT
- SIZE DETERMINATION
- SOUNDING
- SPHYGMOGRAPHY
- STANDARDS
- STRAIN MEASUREMENT
- SYNOPTIC MEASUREMENT
- TEMPERATURE MEASUREMENT
- THRUST MEASUREMENT
- TIME MEASUREMENT
- TRAJECTORY MEASUREMENT
- ULTRASONIC DENSIMETERS
- UNITS OF MEASUREMENT
- VELOCITY MEASUREMENT
- VIBRATION MEASUREMENT
- WEIGHT MEASUREMENT
- WIND MEASUREMENT

### MEASURES

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT CRITERIA
- MEASUREMENT
- STANDARDS

### MEASURING

- USE MEASUREMENT

### MEASURING INSTRUMENTS

- UF FLUXMETERS
- GAGES
- METERS
- RATE METERS
- GS MEASURING INSTRUMENTS
- ACCELEROMETERS
- STRAIN GAGE ACCELEROMETERS
- AMMETERS
- MICROMILLIAMMETERS
- THERMOELEMENT AMMETERS
- ANALYZERS
- ENGINE ANALYZERS
- SIGNAL ANALYZERS
- ANEMOMETERS
- DRAG FORCE ANEMOMETERS
- HOT-FILM ANEMOMETERS
- HOT-WIRE ANEMOMETERS
- LASER ANEMOMETERS
- SONIC ANEMOMETERS
- BALLOON-BORNE INSTRUMENTS
- BATHYMETERS
- BURETTES
- CALORIMETERS
- BOMB CALORIMETERS
- DROP CALORIMETERS
- FLAME CALORIMETERS
- COMPARATORS
- CONDUCTIVITY METERS
- ELECTRICAL CONDUCTIVITY METERS
- COULOMETERS
- COUNTERS
- RADIATION COUNTERS
- CERENKOV COUNTERS
- ELECTRON COUNTERS
- GEIGER COUNTERS
- NEUTRON COUNTERS
- NEUTRON SPECTROMETERS
- PARTICLE TELESCOPES
- PROPORTIONAL COUNTERS
- QUANTUM COUNTERS
- SCINTILLATION COUNTERS
- SPARK CHAMBERS
- DEFORMETERS
- DENSIMETERS
- ULTRASONIC DENSIMETERS
- DENSITOMETERS
- MICRODENSITOMETERS
- DISTANCE MEASURING EQUIPMENT
- ALTIMETERS
- LASER ALTIMETERS
- RADIO ALTIMETERS
- GEODIMETERS
- RANGE FINDERS
- OPTICAL RANGE FINDERS
- LASER RANGE FINDERS
- STADIMETERS
- TELLUROMETERS
- DYNAMOMETERS
- ELASTOMETERS
- ELECTROMETERS
- ELECTRON PROBES
- ENGINE MONITORING INSTRUMENTS
- ERGOMETERS
- EUDIOMETERS

### MEASURING INSTRUMENTS-(CONT.)

- EXTENSOMETERS
- FIELD INTENSITY METERS
- FLAME PROBES
- FLIGHT LOAD RECORDERS
- FLIGHT RECORDERS
- FLOWMETERS
- GAS METERS
- HOT-WIRE FLOWMETERS
- RHEOMETERS
- FORCE VECTOR RECORDERS
- FUEL GAGES
- CAPACITIVE FUEL GAGES
- GALVANOMETERS
- GERDIEN CONDENSERS
- GONIOMETERS
- PHOTOGONIOMETERS
- RADIOGONIOMETERS
- GRAVIMETERS
- GRAVITY GRADIOMETERS
- HELIOMETERS
- PYROHELIOMETERS
- HYDROMETERS
- HYPSONETERS
- IMPEDANCE PROBES
- RADIO FREQUENCY IMPEDANCE PROBES
- INDICATING INSTRUMENTS
- APPROACH INDICATORS
- ASTROLABES
- ATTITUDE INDICATORS
- GYRO HORIZONS
- CLOUD HEIGHT INDICATORS
- COMPASSES
- GYROCOMPASSES
- MAGNETIC COMPASSES
- SOLAR COMPASSES
- FLOW DIRECTION INDICATORS
- WIND VANES
- POSITION INDICATORS
- PLAN POSITION INDICATORS
- RADIO DIRECTION FINDERS
- SPACECRAFT POSITION INDICATORS
- SMOKE DETECTORS
- SPEED INDICATORS
- TACHOMETERS
- WEIGHT INDICATORS
- MICROBALANCES
- STRAIN GAGE BALANCES
- THERMOBALANCES
- INTERFEROMETERS
- ETALONS
- FABRY-PEROT INTERFEROMETERS
- INFRARED INTERFEROMETERS
- MACH-ZEHNDER INTERFEROMETERS
- MICHELSON INTERFEROMETERS
- MICROWAVE INTERFEROMETERS
- PHASE SWITCHING INTERFEROMETERS
- RADIO INTERFEROMETERS
- ION PROBES
- ION TRAPS (INSTRUMENTATION)
- LASER DOPPLER VELOCIMETERS
- MAGNETIC PROBES
- MAGNETOMETERS
- VARIOMETERS
- MECHANOGRAMS
- METEOROLOGICAL INSTRUMENTS
- BAROMETERS
- CLOUD HEIGHT INDICATORS
- DROPSONDES
- RADIOMETEOROLOGICAL INSTRUMENTS
- RADIOSONDES
- ENDORADIOSONDES
- IONOSONDES
- RAWINSONDES
- RAIN GAGES
- WEATHER DATA RECORDERS
- WIND VANES
- MICROMETERS
- MICROWAVE PROBES
- MICROWAVE PLASMA PROBES
- MICROWAVE SENSORS
- MOISTURE METERS
- HYGROMETERS
- PSYCHROMETERS
- MONOCHROMATORS
- NOISE METERS
- OHMMETERS
- OMEGA NAVIGATION SYSTEM
- OPTICAL MEASURING INSTRUMENTS
- CATHETOMETERS
- DIFFRACTOMETERS
- EBERT SPECTROMETERS
- ELLIPSONETERS

## MECHANICAL DRIVES

### MEASURING INSTRUMENTS-(CONT.)

- .. ETALONS
- .. GEODIMETERS
- .. HAPLOSOPES
- .. INFRARED SPECTROMETERS
- .. FILTER WHEEL INFRARED SPECTROMETERS
- .. LIGHT SCATTERING METERS
- .. MICRODENSITOMETERS
- .. NEPHELOMETERS
- .. OCULOMETERS
- .. OPTICAL PYROMETERS
- .. OPTICAL RANGE FINDERS
- .. LASER RANGE FINDERS
- .. PHOTOGONIOMETERS
- .. PHOTOMETERS
- .. ELECTROPHOTOMETERS
- .. ULTRAVIOLET SPECTROMETERS
- .. ULTRAVIOLET SPECTROPHOTOMETERS
- .. POLARIMETERS
- .. REFLECTOMETERS
- .. MICROWAVE REFLECTOMETERS
- .. REFRACTOMETERS
- .. SEXTANTS
- .. SPECTROPHOTOMETERS
- .. INFRARED SPECTROPHOTOMETERS
- .. ULTRAVIOLET SPECTROPHOTOMETERS
- .. TRANSITS
- .. THEODOLITES
- .. CINETHODOLITES
- .. TRANSMISSOMETERS
- .. OSCILLOGRAPHS
- .. OXYGEN ANALYZERS
- .. PENETROMETERS
- .. PLASMA PROBES
- .. ELECTROSTATIC PROBES
- .. POLARISCOPES
- .. SENARMONT POLARISCOPES
- .. POTENTIOMETERS (INSTRUMENTS)
- .. PRESSURE GAGES
- .. BAROMETERS
- .. MANOMETERS
- .. OSMOMETERS
- .. PIEZOELECTRIC GAGES
- .. PIEZOMETERS
- .. VACUUM GAGES
- .. IONIZATION GAGES
- .. ALPHATRONS
- .. BAYARD-ALPERT IONIZATION GAGES
- .. PENNING GAGES
- .. PHILIPS IONIZATION GAGES
- .. KNUDSEN GAGES
- .. MCLEOD GAGES
- .. PIRANI GAGES
- .. PROFILOMETERS
- .. PROTRACTORS
- .. RADIATION MEASURING INSTRUMENTS
- .. ACTINOMETERS
- .. INFRARED SPECTROMETERS
- .. PYRANOMETERS
- .. RADIOMETERS
- .. DICKE RADIOMETERS
- .. INFRARED DETECTORS
- .. INFRARED SCANNERS
- .. MICROWAVE RADIOMETERS
- .. PASSIVE L-BAND RADIOMETERS
- .. PRESSURE MODULATOR RADIOMETERS
- .. SPECTRORADIOMETERS
- .. SOLAR SPECTROMETERS
- .. SPECTROHELIOGRAPHS
- .. SPECTROPHOTOMETERS
- .. INFRARED SPECTROPHOTOMETERS
- .. ULTRAVIOLET SPECTROPHOTOMETERS
- .. ULTRAVIOLET DETECTORS
- .. ULTRAVIOLET SPECTROMETERS
- .. ULTRAVIOLET SPECTROPHOTOMETERS
- .. BOLOMETERS
- .. EBERT SPECTROMETERS
- .. ELECTROSTATIC PROBES
- .. FABRY-PEROT SPECTROMETERS
- .. HODOSCOPES
- .. INFRARED INSTRUMENTS
- .. INFRARED DETECTORS
- .. FLIR DETECTORS
- .. INFRARED SCANNERS
- .. INFRARED SPECTROMETERS
- .. INFRARED SPECTROPHOTOMETERS
- .. PHOTOMETERS
- .. ELECTROPHOTOMETERS

### MEASURING INSTRUMENTS-(CONT.)

- .. ULTRAVIOLET SPECTROMETERS
- .. ULTRAVIOLET SPECTROPHOTOMETERS
- .. RADIATION COUNTERS
- .. CERENKOV COUNTERS
- .. ELECTRON COUNTERS
- .. GEIGER COUNTERS
- .. NEUTRON COUNTERS
- .. NEUTRON SPECTROMETERS
- .. PARTICLE TELESCOPES
- .. PROPORTIONAL COUNTERS
- .. QUANTUM COUNTERS
- .. SCINTILLATION COUNTERS
- .. SPARK CHAMBERS
- .. RADIATION DETECTORS
- .. DOSIMETERS
- .. THRESHOLD DETECTORS (DOSIMETERS)
- .. GOLAY DETECTOR CELLS
- .. SILICON RADIATION DETECTORS
- .. RIOMETERS
- .. RATIONOMETERS
- .. RESONANCE PROBES
- .. RESPIROMETERS
- .. SATELLITE-BORNE INSTRUMENTS
- .. AMPS (SATELLITE PAYLOAD)
- .. SCATTEROMETERS
- .. SHOCK MEASURING INSTRUMENTS
- .. SONDES
- .. DROPSONDES
- .. JUDI-DART ROCKET
- .. RADIOSONDES
- .. ENDORADIOSONDES
- .. IONOSONDES
- .. RAWINSONDES
- .. SPECTROMETERS
- .. EBERT SPECTROMETERS
- .. FABRY-PEROT SPECTROMETERS
- .. GAMMA RAY SPECTROMETERS
- .. IMAGING SPECTROMETERS
- .. INFRARED SPECTROMETERS
- .. FILTER WHEEL INFRARED SPECTROMETERS
- .. LASER SPECTROMETERS
- .. MASS SPECTROMETERS
- .. MICROWAVE SPECTROMETERS
- .. NEUTRON SPECTROMETERS
- .. SOLAR BACKSCATTER UV SPECTROMETER
- .. SOLAR SPECTROMETERS
- .. SPECTROHELIOGRAPHS
- .. TIME OF FLIGHT SPECTROMETERS
- .. ULTRAVIOLET SPECTROMETERS
- .. HIGH DISPERSION SPECTROGRAPHS
- .. SPUTTERING GAGES
- .. STRAIN GAGES
- .. TEMPERATURE MEASURING INSTRUMENTS
- .. BATHYTHERMOGRAPHS
- .. OPTICAL PYROMETERS
- .. PYROMETERS
- .. RADIATION PYROMETERS
- .. THERMOCOUPLE PYROMETERS
- .. TEMPERATURE PROBES
- .. PNEUMATIC PROBES
- .. THERMOMETERS
- .. RESISTANCE THERMOMETERS
- .. TENSIOIMETERS
- .. TENSOMETERS
- .. THERMAL CONDUCTIVITY GAGES
- .. TILTMETERS
- .. TIME MEASURING INSTRUMENTS
- .. CLOCKS
- .. ATOMIC CLOCKS
- .. AUTONOMOUS SPACECRAFT CLOCKS
- .. CHRONOMETERS
- .. TIMING DEVICES
- .. TITRIMETERS
- .. TORQUEMETERS
- .. TURBULENCE METERS
- .. VIBRATION METERS
- .. SEISMOGRAPHS
- .. LUNAR SEISMOGRAPHS
- .. VISCOMETERS
- .. VOLTMETERS
- .. MILLIVOLTMETERS
- .. WATTMETERS
- .. AIRCRAFT INSTRUMENTS
- .. AUTOMATIC CONTROL
- .. AUTOMATIC TEST EQUIPMENT
- .. BIOINSTRUMENTATION
- .. CALIBRATING
- .. CIRCUMSOLAR TELESCOPES

RT

### MEASURING INSTRUMENTS-(CONT.)

- .. CONTROL MOMENT GYROSCOPES
- .. CONTROLLERS
- .. DETECTORS
- .. DRAG MEASUREMENT
- .. DUOCHROMATORS
- .. ELECTRIC BRIDGES
- .. ELECTRICAL MEASUREMENT
- .. FLIGHT INSTRUMENTS
- .. FOREST FIRE DETECTION
- .. FRAUNHOFER LINE DISCRIMINATORS
- .. IMBLMS
- .. INSTRUMENT RECEIVERS
- .. INSTRUMENT TRANSMITTERS
- .. INSTRUMENTS
- .. INTERNATIONAL SYSTEM OF UNITS
- .. LABORATORY EQUIPMENT
- .. LANDING INSTRUMENTS
- .. LARGE APERTURE SEISMIC ARRAY
- .. LOCAL SCIENTIFIC SURVEY MODULE
- .. LUNAR RANGEFINDING
- .. MEASUREMENT
- .. METROLOGY
- .. MICROINSTRUMENTATION
- .. MONITORS
- .. NAVIGATION INSTRUMENTS
- .. PROBES
- .. PROPELLANT ACTUATED INSTRUMENTS
- .. RADIO PROBING
- .. RADIO TELEMETRY
- .. RAPID BALLISTICS IDENTIFICATION
- .. RECORDING INSTRUMENTS
- .. REMOTE SENSORS
- .. ROCKET-BORNE INSTRUMENTS
- .. RONCHI TEST
- .. SATELLITE INSTRUMENTS
- .. SENSORS
- .. SODAR
- .. SOUND DETECTING AND RANGING
- .. SPACECRAFT INSTRUMENTS
- .. SYNCHROSCOPES
- .. TELEMETRY
- .. TEST EQUIPMENT
- .. TRANSDUCERS
- .. ULTRASONIC SCANNERS
- .. VENTURI TUBES
- .. WHEATSTONE BRIDGES
- .. WIND TUNNEL CALIBRATION

### MECAMYLAMINE

- GS AMINES
- .. MECAMYLAMINE
- .. TERPENES
- .. MECAMYLAMINE

### MECHANICAL DEVICES

- RT CAMS
- .. CLAMPS
- .. CLIPS
- .. CLUTCHES
- .. DEVICES
- .. EQUIPMENT
- .. HOLDERS
- .. JIGS
- .. LEVERS
- .. LINKAGES
- .. MACHINE TOOLS
- .. MECHANISM
- .. MECHANIZATION
- .. TOOLS

### MECHANICAL DRAWINGS

- USE ENGINEERING DRAWINGS

### MECHANICAL DRIVES

- UF ROTARY DRIVES
- GS MECHANICAL DRIVES
- .. MAGNETIC TAPE TRANSPORTS
- .. PROPELLER DRIVE
- .. HELICOPTER PROPELLER DRIVE
- .. TRANSMISSIONS (MACHINE ELEMENTS)
- RT CLUTCHES
- .. COUNTER-ROTATING WHEELS
- .. COUPLING
- .. COUPLINGS
- .. DRIVES
- .. GEAR
- .. GEAR TEETH
- .. GEARS
- .. MAGNETOELECTRIC MEDIA
- .. POWER TRANSMISSION
- .. SHAFTS (MACHINE ELEMENTS)
- .. VEHICLE WHEELS
- .. WIND TUNNEL DRIVES
- .. WINDMILLS (WINDPOWERED MACHINES)



## MECHANICAL ENGINEERING

### MECHANICAL ENGINEERING

- RT AERONAUTICAL ENGINEERING
- AEROSPACE ENGINEERING
- ∞ ENGINEERING
- FLUID FLOW
- FLYWHEELS
- FURNACES
- HEAT TRANSFER
- MACHINE TOOLS
- ∞ MACHINERY
- MAINTENANCE
- MATERIALS HANDLING
- STRESS ANALYSIS
- THERMODYNAMICS
- VIBRATION TESTS

### MECHANICAL FINGERS

- USE END EFFECTORS

### MECHANICAL HANDS

- USE END EFFECTORS

### MECHANICAL IMPEDANCE

- GS IMPEDANCE
- MECHANICAL IMPEDANCE
- RT ATTENUATION
- DAMPING
- FRICTION
- IMPEDANCE MEASUREMENT

### MECHANICAL MEASUREMENT

- SN (MEASUREMENT OF MECHANICAL PROPERTIES, QUANTITIES OR CONDITIONS)
- GS MECHANICAL MEASUREMENT
- DISPLACEMENT MEASUREMENT
- DRAW MEASUREMENT
- FLOW MEASUREMENT
- FRICTION MEASUREMENT
- PRESSURE MEASUREMENT
- STRESS MEASUREMENT
- X RAY STRESS MEASUREMENT
- THRUST MEASUREMENT
- VELOCITY MEASUREMENT
- WIND VELOCITY MEASUREMENT
- VIBRATION MEASUREMENT
- WIND MEASUREMENT
- WIND VELOCITY MEASUREMENT
- RT ACCELEROMETERS
- ACOUSTIC MEASUREMENT
- DEFORMETERS
- DENSITY MEASUREMENT
- DEPTH MEASUREMENT
- DYNAMOMETERS
- EXTENSOMETERS
- FLOWMETERS
- ∞ MEASUREMENT
- STRAIN GAGES
- TENSOMETERS
- TORQUEMETERS
- WEIGHT INDICATORS

### MECHANICAL OSCILLATORS

- GS OSCILLATORS
- MECHANICAL OSCILLATORS
- PENDULUMS
- GYROSCOPIC PENDULUMS
- RT ELECTRIC CHOPPERS
- HARMONIC OSCILLATORS
- RECIPROCATION
- RESONANT VIBRATION
- VIBRATION

### MECHANICAL PROPERTIES

- UF MATERIAL STRENGTH
- METEORITE COMPRESSION TESTS
- STRENGTH OF MATERIALS
- GS MECHANICAL PROPERTIES
- BRITTLENESS
- BULK MODULUS
- COLD STRENGTH
- COMPRESSIBILITY
- COMPRESSIVE STRENGTH
- CREEP PROPERTIES
- SHEAR CREEP
- STEADY STATE CREEP
- TENSILE CREEP
- CREEP RUPTURE STRENGTH
- CREEP STRENGTH
- DIMENSIONAL STABILITY
- STRUCTURAL STABILITY
- SHELL STABILITY
- DUCTILITY
- EARTHQUAKE RESISTANCE
- ELASTIC PROPERTIES

### MECHANICAL PROPERTIES-(CONT.)

- AEROELASTICITY
- AEROTHERMOELASTICITY
- ANELASTICITY
- ELASTOPLASTICITY
- HYDROELASTICITY
- HYPOELASTICITY
- MAGNETOSTRICTION
- MODULUS OF ELASTICITY
- DYNAMIC MODULUS OF ELASTICITY
- PHOTOELASTICITY
- PHOTOVISCOELASTICITY
- PROPORTIONAL LIMIT
- THERMOELASTICITY
- AEROTHERMOELASTICITY
- VISCOELASTICITY
- PHOTOVISCOELASTICITY
- THERMOVISCOELASTICITY
- ELECTROSTRICTION
- FATIGUE LIFE
- FIBER STRENGTH
- FLEXIBILITY
- FRACTURE STRENGTH
- HARDNESS
- KNOOP HARDNESS
- MICROHARDNESS
- ROCKWELL HARDNESS
- HIGH STRENGTH
- IMPACT STRENGTH
- MALLEABILITY
- MODULAR RATIOS
- NOTCH STRENGTH
- PIEZOELECTRICITY
- PLASTIC PROPERTIES
- ELASTOPLASTICITY
- PHOTOPLASTICITY
- SUPERPLASTICITY
- THERMOPLASTICITY
- VISCOPLASTICITY
- YIELD POINT
- POISSON RATIO
- RESILIENCE
- SET
- SHEAR PROPERTIES
- SHEAR STRENGTH
- STIFFNESS
- STRESS CYCLES
- STRESS RATIO
- STRESS RELAXATION
- TENSILE PROPERTIES
- TENSILE STRENGTH
- THERMAL RESISTANCE
- TOUGHNESS
- NOTCH SENSITIVITY
- WEAR RESISTANCE
- ABRASION RESISTANCE
- WELD STRENGTH
- YIELD STRENGTH
- MICROYIELD STRENGTH
- RT ACOUSTIC PROPERTIES
- AGING (MATERIALS)
- ANISOTROPY
- BUOYANCY
- CAST ALLOYS
- COEFFICIENTS
- COMPRESSING
- COMPRESSION LOADS
- DEFORMATION
- DURABILITY
- ELONGATION
- FATIGUE (MATERIALS)
- FERRITIC STAINLESS STEELS
- FIBER ORIENTATION
- FLATNESS
- ∞ HIGH RESISTANCE
- HYSTERESIS
- IMPEDANCE
- INTERFACIAL TENSION
- INTERFERENCE FIT
- INTERNAL FRICTION
- ISOTROPY
- J INTEGRAL
- ∞ LOW RESISTANCE
- ∞ MATERIALS
- ∞ MATERIALS TESTS
- ∞ METALLURGY
- MICROMECHANICS
- MICROPOROSITY
- PEELING
- PERMEABILITY
- ∞ PHYSICAL PROPERTIES
- PROPELLANT PROPERTIES
- ∞ PROPERTIES
- RADIATION EFFECTS
- RELIABILITY
- ∞ RIGIDITY

### MECHANICAL PROPERTIES-(CONT.)

- ROUGHNESS
- RUGGEDNESS
- SHEAR STRAIN
- SHEAR STRESS
- SHOCK RESISTANCE
- SOLID MECHANICS
- SPECIFICATIONS
- SPECIMEN GEOMETRY
- STRAIN RATE
- ∞ STRENGTH
- STRESS CONCENTRATION
- STRESSES
- STRUCTURAL FAILURE
- SUPERCOOLING
- SURFACE DEFECTS
- SURFACE PROPERTIES
- SURFACE ROUGHNESS
- TEARING
- TEMPERATURE INVERSIONS
- TEXTURES
- TOLERANCES (MECHANICS)
- TRIAXIAL STRESSES
- TRIBOLUMINESCENCE
- WEATHERING

### MECHANICAL RESONANCE

- USE RESONANT VIBRATION

### MECHANICAL SHOCK

- UF JARRING
- GS MECHANICAL SHOCK
- HYDRAULIC SHOCK
- RT ACCELERATION (PHYSICS)
- HIGH ACCELERATION
- HYPERVELOCITY IMPACT
- IMPACT
- IMPACT ACCELERATION
- ∞ SHOCK
- SHOCK ABSORBERS
- SHOCK RESISTANCE
- SHOCK SPECTRA
- SHOCK WAVES
- VIBRATION

### MECHANICAL TWINNING

- GS TWINNING
- MECHANICAL TWINNING
- RT CRYSTAL DEFECTS
- CRYSTAL GROWTH
- CRYSTAL STRUCTURE
- WORK HARDENING

### MECHANICS (PHYSICS)

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT CELESTIAL MECHANICS
- CLASSICAL MECHANICS
- CONTINUUM MECHANICS
- ∞ DYNAMICS
- ELECTROMECHANICS
- FLIGHT MECHANICS
- FLUID DYNAMICS
- FLUID MECHANICS
- FRACTURE MECHANICS
- GAS DYNAMICS
- ∞ HYDRAULICS
- HYDRODYNAMICS
- KINEMATICS
- KINETICS
- LOADS (FORCES)
- ∞ MECHANISM
- ORBITAL MECHANICS
- ∞ PHYSICS
- QUANTUM MECHANICS
- ∞ SCIENCE
- SOLID MECHANICS
- STATICS
- STATISTICAL MECHANICS
- VIRIAL THEOREM
- WIGNER COEFFICIENT

### MECHANISM

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT ∞ MACHINERY
- MECHANICAL DEVICES
- ∞ MECHANICS (PHYSICS)
- ∞ METHODOLOGY

### MECHANIZATION

- RT ∞ AUTOMATION
- DATA PROCESSING

**MECHANIZATION-(CONT.)**

- DEPERSONALIZATION
- ∞ MACHINERY
  - MAN MACHINE SYSTEMS
  - MECHANICAL DEVICES
- ∞ OPERATIONS
  - SYSTEMS ENGINEERING
  - TOOLING
  - TOOLS

**MECHANOGRAMS**

- GS MEASURING INSTRUMENTS
  - MECHANOGRAMS
- MEDICAL EQUIPMENT
  - MECHANOGRAMS
- RECORDING INSTRUMENTS
  - MECHANOGRAMS
- RT MUSCULAR FUNCTION

**MECHANORECEPTORS**

- GS ANATOMY
  - SENSE ORGANS
  - MECHANORECEPTORS
- RECEPTORS (PHYSIOLOGY)
  - MECHANORECEPTORS
- RT SENSITOMETRY

**MECLIZINE**

- GS HALOGEN COMPOUNDS
  - CHLORINE COMPOUNDS
  - MECLIZINE
- ORGANIC COMPOUNDS
  - CYCLIC COMPOUNDS
  - HETEROCYCLIC COMPOUNDS
  - AZINES
  - MECLIZINE
- PYRAZINES
  - AZINES
  - MECLIZINE

**MEDIA**

- SN (EXCLUDES COMMUNICATION TECHNIQUES)
- GS MEDIA
  - ANISOTROPIC MEDIA
  - ANISOTROPIC FLUIDS
  - ELASTIC MEDIA
  - INTERGALACTIC MEDIA
  - INTERPLANETARY MEDIUM
  - INTERPLANETARY DUST
  - METEOROID DUST CLOUDS
  - ZODIACAL DUST
  - INTERPLANETARY GAS
- RT ∞ CHANNELS

**MEDIAN (STATISTICS)**

- RT AVERAGE
  - DISTRIBUTION MOMENTS
  - ERRORS
  - MEAN
  - MODE (STATISTICS)
  - NORMALITY
  - NORMS
  - QUALITY CONTROL
  - STATISTICAL ANALYSIS
- ∞ TESTS

**MEDIASTINUM**

- RT SEPTUM
- TISSUES (BIOLOGY)

**MEDIATION**

- RT LABOR
- MANAGEMENT PLANNING

**MEDICAL ELECTRONICS**

- RT ECHOENCEPHALOGRAPHY
- ELECTROCARDIOGRAPHY
- ELECTROENCEPHALOGRAPHY
- ELECTROMYOGRAPHY
- ∞ ELECTRONICS
  - ELECTROPLETHYSMOGRAPHY
  - ELECTRORETINOGRAPHY

**MEDICAL EQUIPMENT**

- GS MEDICAL EQUIPMENT
  - ARTIFICIAL CARDIAC PACEMAKER
  - ARTIFICIAL HEART VALVES
  - BLOOD PUMPS
  - CARDIOTACHOMETERS
  - ENDOSCOPES
  - MECHANOGRAMS
  - PROSTHETIC DEVICES
  - ARTIFICIAL EARS

**MEDICAL EQUIPMENT-(CONT.)**

- RESPIRATORS
- STETHOSCOPES
- STRETCHERS
- SURGICAL INSTRUMENTS
- SYRINGES
- TOURNIQUETS
- X RAY APPARATUS
- LIXISCOPES
- X RAY TUBES
- RT CARDIOGRAPHY
- DENTISTRY
- DIAGNOSIS
- ECHOENCEPHALOGRAPHY
- ELECTROENCEPHALOGRAPHY
- EMERGENCY LIFE SUSTAINING SYSTEMS
- ∞ EQUIPMENT
  - FIRST AID
  - FLUOROSCOPY
  - HOSPITALS
  - IMBLMS
- ∞ MEDICINE
  - MICROTOMY
  - MOBILE QUARANTINE FACILITY
  - THERAPY

**MEDICAL PERSONNEL**

- GS PERSONNEL
  - MEDICAL PERSONNEL
  - FLIGHT NURSES
  - PHYSICIANS
  - SURGEONS
  - FLIGHT SURGEONS
- RT ∞ MEDICINE

**MEDICAL PHENOMENA**

- RT DIVING (UNDERWATER)
- PHENOMENOLOGY

**MEDICAL SCIENCE**

- GS MEDICAL SCIENCE
  - ANESTHESIOLOGY
  - DENTISTRY
  - DERMATOLOGY
  - ENDOCRINOLOGY
  - EPIDEMIOLOGY
  - GERIATRICS
  - GYNECOLOGY
  - HISTOLOGY
  - IMMUNOLOGY
  - NEUROLOGY
  - NEUROPSYCHIATRY
  - NUCLEAR MEDICINE
  - RADIOBIOLOGY
  - OPHTHALMOLOGY
  - ORTHOPEDICS
  - OTOLARYNGOLOGY
  - OTOLOGY
  - PATHOLOGY
  - HUMAN PATHOLOGY
  - PSYCHIATRY
  - SOCIAL PSYCHIATRY
  - RADIOLOGY
  - RADIOPATHOLOGY
  - SYMPTOMOLOGY
  - TOOTH DISEASES
  - UROLOGY
- RT AEROSPACE MEDICINE
- ∞ BIOLOGY
- CLINICAL MEDICINE
- DIAGNOSIS
- DISEASES
- FIRST AID
- ∞ MEDICINE
  - OPTOMETRY
  - PHARMACOLOGY
  - PNEUMOTHORAX
  - PSYCHOPHARMACOLOGY
  - RADIATION THERAPY
- ∞ SCIENCE
  - SPORTS MEDICINE
  - TRANSFUSION

**MEDICAL SERVICES**

- GS SERVICES
  - MEDICAL SERVICES
- RT AMBULANCES
- FIRST AID
- INTRAVENOUS PROCEDURES
- MOBILE QUARANTINE FACILITY
- PUBLIC HEALTH

**∞ MEDICINE**

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT AEROSPACE MEDICINE
- CLINICAL MEDICINE
- MEDICAL EQUIPMENT
- MEDICAL PERSONNEL
- MEDICAL SCIENCE
- NEUROPSYCHIATRY
- PHARMACOLOGY
- PSYCHOPHARMACOLOGY
- RADIOBIOLOGY
- RADIOLOGY
- VETERINARY MEDICINE

**MEDITERRANEAN SEA**

- GS SEAS
  - MEDITERRANEAN SEA
  - ADRIATIC SEA
- RT MALTA
- RHONE DELTA (FRANCE)
- SICILY

**MEDIUM SCALE INTEGRATION**

- GS CIRCUITS
  - INTEGRATED CIRCUITS
  - MEDIUM SCALE INTEGRATION
  - MICROELECTRONICS
- RT ELECTRONIC PACKAGING
- LARGE SCALE INTEGRATION
- MOLECULAR ELECTRONICS
- PRINTED CIRCUITS

**MEETINGS**

- USE CONFERENCES

**MEGALOPOLISES**

- RT CITIES
- COMMUNITIES
- DEMOGRAPHY
- INDUSTRIAL AREAS
- REGIONAL PLANNING
- RESIDENTIAL AREAS
- RURAL AREAS
- SUBURBAN AREAS
- URBAN DEVELOPMENT
- URBAN TRANSPORTATION

**MEGAMECHANICS**

- RT LARGE SPACE STRUCTURES
- STRUCTURAL ANALYSIS
- STRUCTURAL ENGINEERING
- TRUSSES

**MEISSNER EFFECT**

- USE DIAMAGNETISM
- SUPERCONDUCTIVITY

**MELAMINE**

- GS AMINES
  - MELAMINE
- RT RESINS

**MELANIN**

- GS BIOPOLYMERS
  - PROTEINS
  - MELANIN
- ORGANIC COMPOUNDS
  - PROTEINS
  - MELANIN
- PIGMENTS
  - MELANIN
- RT DOPA
- SKIN (ANATOMY)

**MELANOIDIN**

- GS ACIDS
  - AMINO ACIDS
  - MELANOIDIN
- ORGANIC COMPOUNDS
  - AMINO ACIDS
  - MELANOIDIN

**MELLIN TRANSFORMS**

- GS FUNCTIONS (MATHEMATICS)
  - MELLIN TRANSFORMS
- RT INTEGRAL EQUATIONS
- KERNEL FUNCTIONS

**MELT SPINNING**

- GS CRYSTALLIZATION
- MELT SPINNING

## MELTING

### MELT SPINNING-(CONT.)

- MELTS (CRYSTAL GROWTH)
  - . MELT SPINNING
  - SOLIDIFICATION
  - . MELT SPINNING
- RT ∞ METALLURGY
- PHASE TRANSFORMATIONS

### MELTING

- UF REMELTING
- THAWING
- GS PHASE TRANSFORMATIONS
  - . MELTING
  - . . . ARC MELTING
  - . . . FUSION (MELTING)
  - . . . LEVITATION MELTING
  - . . . VACUUM MELTING
- RT ABLATION
- AUFEIS (ICE)
- BURNTHROUGH (FAILURE)
- CASTING
- COAL LIQUEFACTION
- CONTAINERLESS MELTS
- COOLING
- DEFROSTING
- DEICING
- DROP TRANSFER
- EXTRACTION
- FREEZING
- FURNACES
- HEAT OF FUSION
- HEATING
- ICE PREVENTION
- IMPACT MELTS
- INDUCTION HEATING
- INJECTION MOLDING
- LIQUEFACTION
- LIQUID METALS
- LIQUID-SOLID INTERFACES
- MELTS (CRYSTAL GROWTH)
- METAL CUTTING
- METAL FOAMS
- ∞ METALLURGY
- MOLDS
- PHASE CHANGE MATERIALS
- PSEUDOPOTENTIALS
- ∞ SEPARATION
- SMELTING
- SOLAR FURNACES
- SPIKING
- ZONE MELTING

### MELTING POINTS

- UF FREEZING POINTS
- GS THERMODYNAMIC PROPERTIES
  - . THERMOPHYSICAL PROPERTIES
  - . . . MELTING POINTS
- RT HIGH TEMPERATURE TESTS
- LIQUID PHASES
- LIQUIDUS
- LOW TEMPERATURE TESTS
- PHASE DIAGRAMS
- REACTION BONDING
- SOLID SOLUTIONS
- SOLID STATE
- SOLIDIFICATION
- SOLIDIFIED GASES
- SPECIFIC HEAT
- TEMPERATURE
- TRANSITION TEMPERATURE

### MELTS (CRYSTAL GROWTH)

- GS MELTS (CRYSTAL GROWTH)
  - . CONTAINERLESS MELTS
  - . IMPACT MELTS
  - . MELT SPINNING
- RT ATOMIC STRUCTURE
- CRYSTAL GROWTH
- CRYSTALLIZATION
- FLOAT ZONES
- MARANGONI CONVECTION
- MELTING
- SEMICONDUCTORS (MATERIALS)

### MEM (EXCURSION MODULE)

- USE MARS EXCURSION MODULE

### MEMBRANE ANALOGY

- USE MEMBRANE STRUCTURES
- STRUCTURAL ANALYSIS

### MEMBRANE STRUCTURES

- UF MEMBRANE ANALOGY
- GS MEMBRANES
  - . MEMBRANE STRUCTURES

### MEMBRANE STRUCTURES-(CONT.)

- . . . SKIN (STRUCTURAL MEMBER)
- STRUCTURAL MEMBERS
- . MEMBRANE STRUCTURES
- . . . SKIN (STRUCTURAL MEMBER)
- RT DIAPHRAGMS (MECHANICS)
- METAL SHELLS
- PERFORATED SHELLS
- SCOTCHLITE (TRADEMARK)
- ∞ SHEETS
- SHELLS (STRUCTURAL FORMS)
- ∞ STRUCTURES
- THIN WALLED SHELLS
- WEBS (SUPPORTS)

### MEMBRANE THEORY

- USE STRUCTURAL ANALYSIS

### MEMBRANES

- UF WEBS (MEMBRANES)
- GS MEMBRANES
  - . CELL MEMBRANES (BIOLOGY)
  - . CHOROID MEMBRANES
  - . CONJUNCTIVA
  - . EPICARDIUM
  - . ION EXCHANGE MEMBRANE
  - . . . ELECTROLYTES
  - . . . MEMBRANE STRUCTURES
  - . . . SKIN (STRUCTURAL MEMBER)
  - . . . PERITONEUM
  - . . . PLEURAE
- RT ∞ DIAPHRAGMS
- DIAPHRAGMS (MECHANICS)
- ∞ FILMS
- JET MEMBRANE PROCESS
- ∞ LAYERS
- OSMOSIS
- REVERSE OSMOSIS
- SEPTUM
- ∞ SHEETS
- SHELLS (STRUCTURAL FORMS)
- SKIN (ANATOMY)
- ∞ WEBS
- WEBS (SHEETS)
- WEBS (SUPPORTS)

### MEMORY

- SN (LIMITED TO SENTIENT ORGANISMS--EXCLUDES COMPUTER STORAGE DEVICES AND PLASTIC MEMORY)
- RT EDUCATION
- LEARNING
- MNEMONICS
- RECOGNITION
- RETENTION (PSYCHOLOGY)

### MEMORY (COMPUTERS)

- RT ARCHITECTURE (COMPUTERS)
- COMPUTER DESIGN
- COMPUTER STORAGE DEVICES
- COMPUTERS
- HOLE BURNING
- MAGNETIC DISKS
- VIDEO DISKS

### MENDELEVIUM

- GS CHEMICAL ELEMENTS
  - . ACTINIDE SERIES
  - . . . TRANSURANIUM ELEMENTS
  - . . . . MENDELEVIUM
  - . . . . . NUCLIDES
  - . . . . . ISOTOPES
  - . . . . . RADIOACTIVE ISOTOPES
  - . . . . . TRANSURANIUM ELEMENTS
  - . . . . . MENDELEVIUM
  - . . . . . METALS
  - . . . . . ACTINIDE SERIES
  - . . . . . TRANSURANIUM ELEMENTS
  - . . . . . MENDELEVIUM
- RT MENDELEVIUM ISOTOPES

### MENDELEVIUM ISOTOPES

- GS CHEMICAL ELEMENTS
  - . ACTINIDE SERIES
  - . . . TRANSURANIUM ELEMENTS
  - . . . . MENDELEVIUM ISOTOPES
  - . . . . . NUCLIDES
  - . . . . . ISOTOPES
  - . . . . . RADIOACTIVE ISOTOPES
  - . . . . . TRANSURANIUM ELEMENTS
  - . . . . . MENDELEVIUM ISOTOPES
  - . . . . . METALS
  - . . . . . ACTINIDE SERIES
  - . . . . . TRANSURANIUM ELEMENTS

### MENDELEVIUM ISOTOPES-(CONT.)

- . . . . MENDELEVIUM ISOTOPES
- RT MENDELEVIUM

### MENINGITIS

- GS DISEASES
  - . INFECTIOUS DISEASES
  - . . . MENINGITIS
- RT BACTERIAL DISEASES
- VIRAL DISEASES

### MENISCI

- GS LIQUID SURFACES
  - . MENISCI
- RT CURVES (GEOMETRY)
- LIQUID-GAS MIXTURES
- LIQUID-SOLID INTERFACES
- LIQUID-VAPOR INTERFACES
- ∞ SURFACES

### MENSTRUATION

- GS PHYSIOLOGY
  - . MENSTRUATION
- RT FEMALES
- OVARIES

### MENTAL HEALTH

- GS HEALTH
  - . MENTAL HEALTH
- RT HUMAN PERFORMANCE
- INTELLIGENCE
- NEUROPSYCHIATRY
- PSYCHOTHERAPY
- RORSCHACH TESTS
- SCHIZOPHRENIA

### MENTAL PERFORMANCE

- RT COGNITIVE PSYCHOLOGY
- CONSCIOUSNESS
- HUMAN PERFORMANCE
- HYPERNEA
- INSPIRATION
- INTELLECT
- INTELLIGENCE
- IRRATIONALITY
- LIES
- OPERATOR PERFORMANCE
- ∞ PERFORMANCE
- PSYCHOMOTOR PERFORMANCE
- STRESS (PSYCHOLOGY)
- WORKLOADS (PSYCHOPHYSIOLOGY)

### MENTAL STRESS

- USE STRESS (PSYCHOLOGY)

### MENTHOL

- GS ORGANIC COMPOUNDS
  - . CYCLIC COMPOUNDS
  - . . . CYCLIC HYDROCARBONS
  - . . . . MENTHOL
  - . . . . . HYDROCARBONS
  - . . . . . CYCLIC HYDROCARBONS
  - . . . . . MENTHOL
  - . . . . . TERPENES
  - . . . . . MENTHOL

### MEPROBAMATE

- GS ESTERS
  - . MEPROBAMATE

### MERCAPTAN

- USE THIOLS

### MERCAPTO COMPOUNDS

- USE THIOLS

### MERCATOR PROJECTION

- GS GEOMETRY
  - . EUCLIDEAN GEOMETRY
  - . . . ANALYTIC GEOMETRY
  - . . . . MERCATOR PROJECTION
  - . . . . . PROJECTIVE GEOMETRY
  - . . . . . MERCATOR PROJECTION
- RT MAPS

### MERCURE AIRCRAFT

- GS TRANSPORT AIRCRAFT
  - . SHORT HAUL AIRCRAFT
  - . . . MERCURE AIRCRAFT
- RT ∞ AIRCRAFT
- CARGO AIRCRAFT
- PASSENGER AIRCRAFT

## MERCURY SURFACE

### MERCURY (METAL)

UF LIQUID MERCURY  
GS CHEMICAL ELEMENTS  
.. **MERCURY (METAL)**  
.. MERCURY ISOTOPES  
.. MERCURY VAPOR  
LIQUIDS  
.. LIQUID METALS  
.. **MERCURY (METAL)**  
.. MERCURY VAPOR  
METALS  
.. LIQUID METALS  
.. **MERCURY (METAL)**  
.. MERCURY VAPOR

### MERCURY (PLANET)

GS CELESTIAL BODIES  
.. PLANETS  
.. TERRESTRIAL PLANETS  
.. **MERCURY (PLANET)**  
RT MERCURY ATMOSPHERE  
MERCURY SURFACE  
PLANETARY CRATERS

### MERCURY ALLOYS

GS ALLOYS  
.. **MERCURY ALLOYS**  
.. MERCURY AMALGAMS

### MERCURY AMALGAMS

UF AMALGAMS  
GS ALLOYS  
.. MERCURY ALLOYS  
.. **MERCURY AMALGAMS**

### MERCURY ARCS

GS ELECTRIC CURRENT  
.. ELECTRIC DISCHARGES  
.. ELECTRIC ARCS  
.. **MERCURY ARCS**  
RT ARC LAMPS  
METALLIC PLASMAS  
RECTIFIERS

### MERCURY ATMOSPHERE

GS ENVIRONMENTS  
.. EXTRATERRESTRIAL ENVIRONMENTS  
.. PLANETARY ENVIRONMENTS  
.. PLANETARY ATMOSPHERES  
.. **MERCURY ATMOSPHERE**  
RT MERCURY (PLANET)  
MERCURY SURFACE  
PLANETARY METEOROLOGY

### MERCURY CADMIUM TELLURIDES

UF CADMIUM MERCURY TELLURIDES  
RT INFRARED DETECTORS  
PHOTOCONDUCTIVITY  
PHOTOCONDUCTORS  
PHOTODIODES

### MERCURY COMPOUNDS

GS **MERCURY COMPOUNDS**  
.. MERCURY OXIDES  
.. MERCURY TELLURIDES  
RT  $\infty$ CHEMICAL COMPOUNDS  
 $\infty$ GROUP 2B COMPOUNDS  
 $\infty$ METAL COMPOUNDS

### MERCURY FLIGHTS

GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. **MERCURY FLIGHTS**  
.. MERCURY MA-1 FLIGHT  
.. MERCURY MA-2 FLIGHT  
.. MERCURY MA-3 FLIGHT  
.. MERCURY MA-4 FLIGHT  
.. MERCURY MA-5 FLIGHT  
.. MERCURY MA-6 FLIGHT  
.. MERCURY MA-7 FLIGHT  
.. MERCURY MA-8 FLIGHT  
.. MERCURY MA-9 FLIGHT  
.. MERCURY MR-1 FLIGHT  
.. MERCURY MR-2 FLIGHT  
.. MERCURY MR-3 FLIGHT  
.. MERCURY MR-4 FLIGHT  
RT ATLAS LAUNCH VEHICLES  
MANNED SPACECRAFT  
SPACE CAPSULES

### MERCURY ION ENGINES

GS ENGINES  
.. ROCKET ENGINES  
.. ELECTRIC ROCKET ENGINES

### MERCURY ION ENGINES-(CONT.)

.. ION ENGINES  
.. **MERCURY ION ENGINES**  
RT ELECTROSTATIC ENGINES  
NUCLEAR PROPULSION  
NUCLEAR ROCKET ENGINES  
PLASMA ENGINES

### MERCURY ISOTOPES

GS CHEMICAL ELEMENTS  
.. **MERCURY (METAL)**  
.. **MERCURY ISOTOPES**  
.. NUCLIDES  
.. ISOTOPES  
.. **MERCURY ISOTOPES**

### MERCURY LAMPS

GS LIGHTING EQUIPMENT  
.. LUMINAIRES  
.. **MERCURY LAMPS**  
RT LIGHT SOURCES  
PHOSPHORS  
STERILIZATION  
XENON LAMPS

### MERCURY MA-1 FLIGHT

GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. MERCURY FLIGHTS  
.. **MERCURY MA-1 FLIGHT**  
RT ATLAS LAUNCH VEHICLES

### MERCURY MA-2 FLIGHT

UF MA-2 MISSION  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. MERCURY FLIGHTS  
.. **MERCURY MA-2 FLIGHT**  
RT ATLAS LAUNCH VEHICLES  
FAITH 7

### MERCURY MA-3 FLIGHT

UF MA-3 FLIGHT  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. MERCURY FLIGHTS  
.. **MERCURY MA-3 FLIGHT**  
RT ATLAS LAUNCH VEHICLES

### MERCURY MA-4 FLIGHT

UF MA-4 FLIGHT  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. MERCURY FLIGHTS  
.. **MERCURY MA-4 FLIGHT**  
RT ATLAS LAUNCH VEHICLES

### MERCURY MA-5 FLIGHT

UF MA-5 FLIGHT  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. MERCURY FLIGHTS  
.. **MERCURY MA-5 FLIGHT**  
RT ATLAS LAUNCH VEHICLES

### MERCURY MA-6 FLIGHT

GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. MERCURY FLIGHTS  
.. **MERCURY MA-6 FLIGHT**  
RT ATLAS LAUNCH VEHICLES  
FRIENDSHIP 7

### MERCURY MA-7 FLIGHT

GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. MERCURY FLIGHTS  
.. **MERCURY MA-7 FLIGHT**  
RT ATLAS LAUNCH VEHICLES  
AURORA 7

### MERCURY MA-8 FLIGHT

UF MA-8 FLIGHT  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. MERCURY FLIGHTS  
.. **MERCURY MA-8 FLIGHT**  
RT ATLAS LAUNCH VEHICLES  
SIGMA 7

### MERCURY MA-9 FLIGHT

UF MA-9 FLIGHT  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT

### MERCURY MA-9 FLIGHT-(CONT.)

.. MERCURY FLIGHTS  
.. **MERCURY MA-9 FLIGHT**  
RT ATLAS LAUNCH VEHICLES  
FAITH 7

### MERCURY MR-1 FLIGHT

GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. MERCURY FLIGHTS  
.. **MERCURY MR-1 FLIGHT**

### MERCURY MR-2 FLIGHT

GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. MERCURY FLIGHTS  
.. **MERCURY MR-2 FLIGHT**

### MERCURY MR-3 FLIGHT

UF MR-3 FLIGHT  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. MERCURY FLIGHTS  
.. **MERCURY MR-3 FLIGHT**

### MERCURY MR-4 FLIGHT

GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. MERCURY FLIGHTS  
.. **MERCURY MR-4 FLIGHT**

### MERCURY OXIDES

GS CHALCOGENIDES  
.. OXIDES  
.. METAL OXIDES  
.. **MERCURY OXIDES**  
MERCURY COMPOUNDS  
.. **MERCURY OXIDES**

### MERCURY PROJECT

GS PROGRAMS  
.. NASA PROGRAMS  
.. NASA SPACE PROGRAMS  
.. **MERCURY PROJECT**  
.. PROJECTS  
.. **MERCURY PROJECT**  
.. SPACE PROGRAMS  
.. NASA SPACE PROGRAMS  
.. **MERCURY PROJECT**  
RT APOLLO PROJECT  
ATLAS LAUNCH VEHICLES  
GEMINI PROJECT  
LITTLE JOE 2 LAUNCH VEHICLE  
MANNED SPACE FLIGHT  
MANNED SPACECRAFT

### MERCURY SPACECRAFT

GS MANNED SPACECRAFT  
.. **MERCURY SPACECRAFT**  
.. AURORA 7  
.. FAITH 7  
.. FRIENDSHIP 7  
.. SIGMA 7  
.. REENTRY VEHICLES  
.. RECOVERABLE SPACECRAFT  
.. **MERCURY SPACECRAFT**  
.. AURORA 7  
.. FAITH 7  
.. FRIENDSHIP 7  
.. SIGMA 7  
.. SOFT LANDING SPACECRAFT  
.. **MERCURY SPACECRAFT**  
.. AURORA 7  
.. FAITH 7  
.. FRIENDSHIP 7  
.. SIGMA 7  
.. SPACE CAPSULES  
.. **MERCURY SPACECRAFT**  
.. AURORA 7  
.. FAITH 7  
.. FRIENDSHIP 7  
.. SIGMA 7

### MERCURY SURFACE

GS PLANETARY SURFACES  
.. **MERCURY SURFACE**  
RT EXTRATERRESTRIAL ENVIRONMENTS  
MERCURY (PLANET)  
MERCURY ATMOSPHERE  
PLANETARY CRATERS  
SATELLITE SURFACES  
SOLAR SYSTEM  
TERRESTRIAL PLANETS

## MERCURY TELLURIDES

**MERCURY TELLURIDES**  
GS CHALCOGENIDES  
  TELLURIDES  
    **MERCURY TELLURIDES**  
MERCURY COMPOUNDS  
  **MERCURY TELLURIDES**  
TELLURIUM COMPOUNDS  
  TELLURIDES  
    **MERCURY TELLURIDES**

**MERCURY VAPOR**  
GS CHEMICAL ELEMENTS  
  MERCURY (METAL)  
    **MERCURY VAPOR**  
LIQUIDS  
  LIQUID METALS  
    MERCURY (METAL)  
      **MERCURY VAPOR**  
METALS  
  LIQUID METALS  
    MERCURY (METAL)  
      **MERCURY VAPOR**  
METAL VAPORS  
  **MERCURY VAPOR**  
VAPORS  
  METAL VAPORS  
    **MERCURY VAPOR**  
RT CESIUM VAPOR  
  SODIUM VAPOR

**MERGING ROUTINES**  
GS COMPUTER PROGRAMS  
  **MERGING ROUTINES**  
RT ∞ ROUTINES

**MERIDIONAL FLOW**  
GS FLUID FLOW  
  GAS FLOW  
  AIR FLOW  
    AIR CURRENTS  
      **MERIDIONAL FLOW**  
RT ATMOSPHERIC CIRCULATION  
  FLOW GEOMETRY  
  WIND (METEOROLOGY)  
  WIND DIRECTION  
  ZONAL FLOW (METEOROLOGY)

**MEROMORPHIC FUNCTIONS**  
GS ANALYSIS (MATHEMATICS)  
  COMPLEX VARIABLES  
    **MEROMORPHIC FUNCTIONS**  
    ELLIPTIC FUNCTIONS  
    RATIONAL FUNCTIONS  
FUNCTIONS (MATHEMATICS)  
  **MEROMORPHIC FUNCTIONS**  
  ELLIPTIC FUNCTIONS  
  RATIONAL FUNCTIONS

**MERRITT ISLAND (FL)**  
GS LANDFORMS  
  ISLANDS  
    **MERRITT ISLAND (FL)**  
RT FLORIDA

**MERWINITE**  
GS CALCIUM COMPOUNDS  
  **MERWINITE**  
MAGNESIUM COMPOUNDS  
  **MERWINITE**  
MINERALS  
  **MERWINITE**  
SILICON COMPOUNDS  
  SILICATES  
    **MERWINITE**

**MESAS**  
GS LANDFORMS  
  TERRACES (LANDFORMS)  
  PLATEAUS  
    **MESAS**  
    BUTTES  
RT FLATS (LANDFORMS)  
  HIGHLANDS  
  MOUNTAINS

**MESFETS**  
USE FIELD EFFECT TRANSISTORS

**MESH**  
RT FABRICS  
  ∞ GRIDS  
  STRANDS  
  WEBBING  
  ∞ WEBS

**MESH (MATHEMATICS)**  
USE COMPUTATIONAL GRIDS

**MESITYLENE**  
GS ORGANIC COMPOUNDS  
  HYDROCARBONS  
    **MESITYLENE**

**MESOMETEOROLOGY**  
GS METEOROLOGY  
  **MESOMETEOROLOGY**  
RT AERONOMY  
  LOWER ATMOSPHERE  
  MICROMETEOROLOGY

**MESON RESONANCE**  
GS PARTICLES  
  ELEMENTARY PARTICLES  
  BOSONS  
  MESONS  
    **MESON RESONANCE**  
    X MESONS  
  FERMIONS  
    **MESON RESONANCE**  
  NUCLEAR PARTICLES  
  BOSONS  
  MESONS  
    **MESON RESONANCE**  
    X MESONS  
RESONANCE  
  **MESON RESONANCE**  
  X MESONS  
RT BARYONS  
  HYPERONS

**MESON-MESON INTERACTIONS**  
GS PARTICLE INTERACTIONS  
  ELEMENTARY PARTICLE  
  INTERACTIONS  
    **MESON-MESON INTERACTIONS**  
RT ELECTROMAGNETIC INTERACTIONS  
  ∞ INTERACTIONS

**MESON-NUCLEON INTERACTIONS**  
GS PARTICLE INTERACTIONS  
  ELEMENTARY PARTICLE  
  INTERACTIONS  
    **MESON-NUCLEON INTERACTIONS**  
RT CHARGED PARTICLES  
  ∞ INTERACTIONS  
  MESONS  
  YUKAWA POTENTIAL

**MESONS**  
GS PARTICLES  
  ELEMENTARY PARTICLES  
  BOSONS  
    **MESONS**  
    ETA-MESONS  
    KAONS  
    MESON RESONANCE  
    X MESONS  
    MUONS  
    PIONS  
    VECTOR MESONS  
    RHO-MESONS  
    SIGMA-MESONS  
  HADRONS  
  **MESONS**  
  KAONS  
  MUONS  
  OMEGA-MESONS  
  VECTOR MESONS  
  RHO-MESONS  
  SIGMA-MESONS  
  NUCLEAR PARTICLES  
  BOSONS  
    **MESONS**  
    ETA-MESONS  
    KAONS  
    MESON RESONANCE  
    X MESONS  
    MUONS  
    PIONS  
    VECTOR MESONS  
    RHO-MESONS  
    SIGMA-MESONS  
RT BARYONS  
  BOSON FIELDS  
  CHARGED PARTICLES  
  CORPUSCULAR RADIATION  
  COSMIC RAYS  
  GLUONS  
  LEPTONS  
  MESON-NUCLEON INTERACTIONS

**MESONS-(CONT.)**  
MUONIUM  
POMERANCHUK THEOREM  
STRANGENESS

**MESOPAUSE**  
SN (ALTITUDE APPROXIMATELY 90 KM)  
GS EARTH ATMOSPHERE  
  MIDDLE ATMOSPHERE  
  MESOSPHERE  
    **MESOPAUSE**  
RT STRATOPAUSE

**MESOPHILES**  
RT MICROORGANISMS  
  PSYCHROPHILES  
  THERMOPHILES

**MESOSCALE PHENOMENA**  
GS **MESOSCALE PHENOMENA**  
  JET STREAMS (METEOROLOGY)  
RT ARC CLOUDS  
  METEOROLOGY  
  PHENOMENOLOGY  
  WIND (METEOROLOGY)

**MESOSPHERE**  
SN (ALTITUDE RANGE BETWEEN  
  APPROXIMATELY 45 AND 90 KM)  
GS EARTH ATMOSPHERE  
  MIDDLE ATMOSPHERE  
  **MESOSPHERE**  
  MESOPAUSE  
RT CHEMOSPHERE  
  EARTH IONOSPHERE  
  HOMOSPHERE  
  SOLAR MESOSPHERE EXPLORER  
  STRATOPAUSE

**MESSAGE PROCESSING**  
RT COMMUNICATING  
  COMMUNICATION  
  CRYPTOGRAPHY  
  INFORMATION FLOW  
  MESSAGES  
  PACKET TRANSMISSION  
  ∞ PROCESSING  
  SEMANTICS  
  SIGNAL PROCESSING  
  SIGNAL TRANSMISSION  
  SYMBOLS

**MESSAGES**  
GS COMMUNICATING  
  INFORMATION DISSEMINATION  
    **MESSAGES**  
RT COMMUNICATION THEORY  
  INFORMATION THEORY  
  INTELLIGIBILITY  
  MESSAGE PROCESSING  
  SEMANTICS  
  SENTENCES  
  SIGNAL TRANSMISSION  
  ∞ SIGNALS  
  SYLLABLES  
  SYMBOLS  
  VOCODERS  
  WORDS (LANGUAGE)

**MESSERSCHMITT ME P-160 AIRCRAFT**  
USE P-160 AIRCRAFT

**MESSERSCHMITT ME P-308 AIRCRAFT**  
USE P-308 AIRCRAFT

**METABOLIC DISEASES**  
GS DISEASES  
  **METABOLIC DISEASES**  
RT METABOLISM

**METABOLIC WASTES**  
GS WASTES  
  **METABOLIC WASTES**  
  HUMAN WASTES  
  FECEES  
  URINE  
RT ACTIVATED SLUDGE  
  AIR POLLUTION  
  CARBON DIOXIDE  
  COMPOSTING  
  ENVIRONMENT EFFECTS  
  ENVIRONMENT POLLUTION  
  ENVIRONMENTAL SURVEYS  
  EXPIRED AIR

**METABOLIC WASTES-(CONT.)**

LIQUID WASTES  
MANURES  
METABOLITES  
ORGANIC WASTES (FUEL CONVERSION)  
POLLUTION  
SEWAGE  
SEWERS  
SOLID WASTES  
WASTE DISPOSAL

**METABOLISM**

GS

**METABOLISM**

. ADRENAL METABOLISM  
. ASCORBIC ACID METABOLISM  
. CALCIUM METABOLISM  
. CARBOHYDRATE METABOLISM  
. . . HYPERGLYCEMIA  
. . . HYPOGLYCEMIA  
. CATABOLISM  
. ELECTROLYTE METABOLISM  
. ENZYME ACTIVITY  
. FERMENTATION  
. HORMONE METABOLISMS  
. HYDROGEN METABOLISM  
. HYPOMETABOLISM  
. MINERAL METABOLISM  
. NITROGEN METABOLISM  
. OXYGEN METABOLISM  
. PHOSPHORUS METABOLISM  
. PROTEIN METABOLISM  
. . . LIPID METABOLISM

RT

CALORIC REQUIREMENTS  
ENZYMOLGY  
HETEROTROPHS  
HOMEOSTASIS  
KREBS CYCLE  
METABOLIC DISEASES  
METABOLITES  
NUTRITION  
OBESITY  
OSTEOPOROSIS  
OXYGEN CONSUMPTION  
RESPIRATION  
SECRETIONS  
THERMOREGULATION

**METABOLITES**

RT

BIOCHEMISTRY  
BIOSYNTHESIS  
METABOLIC WASTES  
METABOLISM  
ORGANIC COMPOUNDS

**METAGALAXY**

USE UNIVERSE

**METAL AIR BATTERIES**

GS

ELECTRIC GENERATORS  
. DIRECT POWER GENERATORS  
. . . PRIMARY BATTERIES  
. . . . **METAL AIR BATTERIES**  
. . . . ZINC-OXYGEN BATTERIES  
ELECTROCHEMICAL CELLS  
. ELECTRIC BATTERIES  
. . . PRIMARY BATTERIES  
. . . . **METAL AIR BATTERIES**  
. . . . ZINC-OXYGEN BATTERIES

RT

DRY CELLS  
STORAGE BATTERIES

**METAL BONDING**

GS

BONDING  
. **METAL BONDING**  
. . . METAL-METAL BONDING

RT

ADHESION  
ADHESIVE BONDING  
BIMETALS  
BRAZING  
DIFFUSION WELDING  
EXPLOSIVE WELDING  
HEAT AFFECTED ZONE  
JOINTS (JUNCTIONS)  
LAMINATES  
RESIN BONDING  
SOLDERING  
WELDING

**METAL COATINGS**

SN

(COATINGS CONSISTING OF METAL)  
COATINGS

GS

. **METAL COATINGS**  
. . . ALUMINUM COATINGS  
. . . GOLD COATINGS  
. . . NICKEL COATINGS

**METAL COATINGS-(CONT.)**

RT

. . ZINC COATINGS  
ANODIC STRIPPING  
ANTIRADAR COATINGS  
CERAMIC COATINGS  
CLADDING  
CORROSION  
CORROSION PREVENTION  
DEPOSITION  
ELECTROLESS DEPOSITION  
HOT CORROSION  
ION PLATING  
LACQUERS  
MAGNETRON SPUTTERING  
METALLIZING  
∞ METALLURGY  
METALS  
OXIDES  
PAINTS  
∞ PLATES  
PLATING  
PRIMERS (COATINGS)  
PROTECTIVE COATINGS  
SPRAYED COATINGS

**METAL COMBUSTION**

GS

**COMBUSTION**

RT

. **METAL COMBUSTION**  
FUEL COMBUSTION  
GAS-METAL INTERACTIONS  
METALS  
OXIDATION  
PROPELLANT COMBUSTION  
PYROPHORIC MATERIALS  
SOLID PROPELLANT COMBUSTION  
SOLID PROPELLANT IGNITION

**∞ METAL COMPOUNDS**

SN

(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)

RT

∞ ALKALI METAL COMPOUNDS  
ALUMINUM COMPOUNDS  
AMMINES  
ANTIMONY COMPOUNDS  
BARIUM COMPOUNDS  
BERYLLIUM COMPOUNDS  
BISMUTH COMPOUNDS  
CADMIUM COMPOUNDS  
CALCIUM COMPOUNDS  
CERIUM COMPOUNDS  
CESIUM COMPOUNDS  
∞ CHEMICAL COMPOUNDS  
CHROMIUM COMPOUNDS  
COBALT COMPOUNDS  
COPPER COMPOUNDS  
DYSPROSIUM COMPOUNDS  
ERBIUM COMPOUNDS  
EUROPIUM COMPOUNDS  
GALLIUM COMPOUNDS  
GERMANIUM COMPOUNDS  
HAFNIUM COMPOUNDS  
INDIUM COMPOUNDS  
IRON COMPOUNDS  
LANTHANUM COMPOUNDS  
LEAD COMPOUNDS  
LEAD ORGANIC COMPOUNDS  
LITHIUM COMPOUNDS  
LITHIUM IODATES  
LUTETIUM COMPOUNDS  
MAGNESIUM COMPOUNDS  
MANGANESE COMPOUNDS  
MERCURY COMPOUNDS  
METAL FLUORIDES  
METAL HALIDES  
METAL HYDRIDES  
METAL OXIDES  
METALS  
MOLYBDENUM COMPOUNDS  
NEODYMIUM COMPOUNDS  
NEPTUNIUM COMPOUNDS  
NICKEL COMPOUNDS  
NIOBIUM COMPOUNDS  
ORGANIC ALUMINUM COMPOUNDS  
ORGANIC GERMANIUM COMPOUNDS  
ORGANIC LITHIUM COMPOUNDS  
ORGANIC TIN COMPOUNDS  
ORGANOMETALLIC COMPOUNDS  
OSMIUM COMPOUNDS  
PLATINUM COMPOUNDS  
PLUTONIUM COMPOUNDS  
POTASSIUM COMPOUNDS  
PROTACTINIUM COMPOUNDS  
RARE EARTH COMPOUNDS  
REFRACTORY MATERIALS

**METAL COMPOUNDS-(CONT.)**

RHENIUM COMPOUNDS  
RUBIDIUM COMPOUNDS  
RUTHENIUM COMPOUNDS  
SAMARIUM COMPOUNDS  
SCANDIUM COMPOUNDS  
SILVER COMPOUNDS  
SODIUM COMPOUNDS  
STRONTIUM COMPOUNDS  
TANTALUM COMPOUNDS  
TECHNETIUM COMPOUNDS  
THALLIUM COMPOUNDS  
THORIUM COMPOUNDS  
THULIUM COMPOUNDS  
TIN COMPOUNDS  
TITANIUM COMPOUNDS  
TUNGSTEN COMPOUNDS  
URANIUM COMPOUNDS  
VANADIUM COMPOUNDS  
VANADYL COMPOUNDS  
YTTERBIUM COMPOUNDS  
YTTRIUM COMPOUNDS  
ZINC COMPOUNDS  
ZIRCONIUM COMPOUNDS

**METAL CORROSION**

USE

**CORROSION****METAL CRYSTALS**

GS

**CRYSTALS**

RT

. **METAL CRYSTALS**  
CRYSTAL LATTICES  
CRYSTAL STRUCTURE  
METALLOGRAPHY  
METALS

**METAL CUTTING**

GS

**CUTTING**

RT

. **METAL CUTTING**  
COUNTERSINKING  
GRINDING (MATERIAL REMOVAL)  
KNURLING  
LASER CUTTING  
MACHINE TOOLS  
MACHINING  
MELTING  
MILLING (MACHINING)  
PERFORATING  
PLANING  
PLASMA ARC CUTTING  
SCARFING  
SHEARING  
SLICING  
SPARK MACHINING  
SPIKING

**METAL DRAWING**

GS

**FORMING TECHNIQUES**

RT

. **METAL DRAWING**  
METAL WORKING  
. **METAL DRAWING**  
BULGING  
BUNDLE DRAWING  
COLD DRAWING  
COLD WORKING  
∞ DRAWING  
DUCTILITY  
HOT WORKING  
MAGNETIC FORMING  
STRETCH FORMING

**METAL FATIGUE**

GS

**FATIGUE (MATERIALS)**

RT

. **METAL FATIGUE**  
BENDING FATIGUE  
COFFIN-MANSON LAW  
CRACK CLOSURE  
CRACK INITIATION  
CRACK PROPAGATION  
FRACTURING  
GRAIN SIZE  
INELASTIC STRESS  
RETIREMENT FOR CAUSE  
RUPTURING  
S-N DIAGRAMS  
SEGREGATION CHARACTERISTIC  
SHORT CRACKS  
STRESS CORROSION  
STRESS CORROSION CRACKING  
THERMAL FATIGUE  
TRANSGRANULAR CORROSION

**METAL FIBERS**

GS

**FIBERS****. METAL FIBERS**

## METAL FILMS

### METAL FIBERS-(CONT.)

RT BORSIC (TRADENAME)  
FIBER COMPOSITES  
FILAMENT WINDING  
REINFORCING FIBERS

### METAL FILMS

RT COATINGS  
∞ FILMS  
METALLIZING  
METALS  
NICKEL COATINGS  
PICKLING (METALLURGY)  
SPUTTERING GAGES  
THIN FILMS

### METAL FINISHING

GS METAL FINISHING  
ELECTROPOLISHING  
PEENING  
SHOT PEENING  
RT CLEANING  
COATING  
COATINGS  
DESCALING  
PICKLING (METALLURGY)  
PLATING  
SURFACE FINISHING

### METAL FLUORIDES

GS HALOGEN COMPOUNDS  
FLUORINE COMPOUNDS  
FLUORIDES  
METAL FLUORIDES  
ALUMINUM FLUORIDES  
BERYLLIUM FLUORIDES  
CADMIUM FLUORIDES  
CALCIUM FLUORIDES  
CESIUM FLUORIDES  
CHROMIUM FLUORIDES  
COBALT FLUORIDES  
COPPER FLUORIDES  
LANTHANUM FLUORIDES  
LITHIUM FLUORIDES  
MAGNESIUM FLUORIDES  
NICKEL FLUORIDES  
PLUTONIUM FLUORIDES  
PROTACTINIUM FLUORIDES  
SODIUM FLUORIDES  
STRONTIUM FLUORIDES  
THORIUM FLUORIDES  
TUNGSTEN FLUORIDES  
URANIUM FLUORIDES  
ZINC FLUORIDES  
RT ∞ METAL COMPOUNDS

### METAL FOAMS

GS FOAMS  
METAL FOAMS  
RT BUBBLES  
FOAMING  
LOW GRAVITY MANUFACTURING  
∞ MATERIALS SCIENCE  
MELTING  
∞ METALLURGY  
SPACE PROCESSING APPLICATIONS  
ROCKET

### METAL FOILS

GS FOILS (MATERIALS)  
METAL FOILS  
RT HONEYCOMB STRUCTURES  
METALS  
MULTILAYER INSULATION  
∞ SHEETS

### METAL FORGING

USE FORGING

### METAL FORMING

USE FORMING TECHNIQUES  
METAL WORKING

### METAL FUELS

GS FUELS  
CHEMICAL FUELS  
METAL FUELS  
RT ALUMINUM COMPOUNDS  
BERYLLIUM COMPOUNDS  
BORON COMPOUNDS  
CESIUM COMPOUNDS  
GELLED PROPELLANTS  
HYBRID PROPELLANTS  
LITHIUM COMPOUNDS  
METALS

### METAL FUELS-(CONT.)

SLURRY PROPELLANTS  
SOLID PROPELLANTS

### METAL GRINDING

GS GRINDING (MATERIAL REMOVAL)  
METAL GRINDING  
RT FORMING TECHNIQUES  
GRINDING MACHINES  
SURFACE FINISHING

### METAL HALIDES

GS HALOGEN COMPOUNDS  
HALIDES  
METAL HALIDES  
ALKALI HALIDES  
CESIUM HALIDES  
CESIUM BROMIDES  
CESIUM FLUORIDES  
CESIUM IODIDES  
POTASSIUM IODIDES  
SODIUM BROMIDES  
SODIUM CHLORIDES  
SODIUM FLUORIDES  
SODIUM IODIDES  
ALUMINUM CHLORIDES  
BARIUM FLUORIDES  
BERYLLIUM CHLORIDES  
CADMIUM CHLORIDES  
CALCIUM CHLORIDES  
CHROMIUM BROMIDES  
COPPER CHLORIDES  
HAFNIUM IODIDES  
IRON CHLORIDES  
LANTHANUM CHLORIDES  
LEAD CHLORIDES  
LITHIUM CHLORIDES  
MAGNESIUM BROMIDES  
NIOBIUM IODIDES  
POTASSIUM BROMIDES  
POTASSIUM CHLORIDES  
SILVER HALIDES  
SILVER BROMIDES  
SILVER CHLORIDES  
SILVER IODIDES  
STRONTIUM BROMIDES  
TECHNETIUM FLUORIDES  
TITANIUM CHLORIDES  
TUNGSTEN HALIDES  
TUNGSTEN CHLORIDES  
TUNGSTEN FLUORIDES  
ZINC CHLORIDES  
ZIRCONIUM IODIDES  
RT ∞ METAL COMPOUNDS

### METAL HARDENING

USE HARDENING (MATERIALS)

### METAL HYDRIDES

UF PLUMBANE  
GS HYDROGEN COMPOUNDS  
HYDRIDES  
METAL HYDRIDES  
ALUMINUM HYDRIDES  
ALUMINUM BOROXYDRIDES  
BERYLLIUM HYDRIDES  
CESIUM HYDRIDES  
LITHIUM HYDRIDES  
LITHIUM ALUMINUM HYDRIDES  
POTASSIUM HYDRIDES  
SODIUM HYDRIDES  
RT ∞ METAL COMPOUNDS

### METAL INSULATOR SEMICONDUCTORS

USE MIS (SEMICONDUCTORS)

### METAL IONS

GS IONS  
METAL IONS  
FERRIC IONS  
MANGANESE IONS  
RT BARIUM ION CLOUDS  
CATIONS  
ION IMPLANTATION  
ION PLATING  
METALS  
POSITIVE IONS

### METAL JOINTS

GS JOINTS (JUNCTIONS)  
METAL JOINTS  
SOLDERED JOINTS  
WELDED JOINTS  
SPOT WELDS  
RT BUTT JOINTS

### METAL JOINTS-(CONT.)

EXPLOSIVE WELDING  
LAP JOINTS  
RIVETED JOINTS  
SEAMS (JOINTS)

### METAL MATRIX COMPOSITES

GS COMPOSITE MATERIALS  
METAL MATRIX COMPOSITES  
ALUMINUM BORON COMPOSITES  
ALUMINUM GRAPHITE COMPOSITES  
BORSIC (TRADENAME)  
EUTECTIC COMPOSITES  
RT BORON FIBERS  
ELECTRODEPOSITION  
FIBER COMPOSITES  
FIBERS  
∞ MATERIALS  
MATRICES  
MATRIX MATERIALS  
MONOTECTIC ALLOYS  
PLASMA SPRAYING  
POWDER METALLURGY  
REINFORCING FIBERS  
RESIN MATRIX COMPOSITES  
WHISKER COMPOSITES

### METAL NITRIDES

GS NITROGEN COMPOUNDS  
NITRIDES  
METAL NITRIDES  
ALUMINUM NITRIDES  
BERYLLIUM NITRIDES  
GALLIUM NITRIDES  
TANTALUM NITRIDES  
TITANIUM NITRIDES  
ZIRCONIUM NITRIDES  
RT TRANSITION METALS

### METAL OXIDE SEMICONDUCTORS

UF MOS (SEMICONDUCTORS)  
GS ELECTRONIC EQUIPMENT  
SOLID STATE DEVICES  
SEMICONDUCTOR DEVICES  
METAL OXIDE SEMICONDUCTORS  
CMOS  
ITO (SEMICONDUCTORS)  
SOS (SEMICONDUCTORS)  
SEMICONDUCTORS (MATERIALS)  
METAL OXIDE SEMICONDUCTORS  
CMOS  
ITO (SEMICONDUCTORS)  
SOS (SEMICONDUCTORS)  
RT CAPACITANCE-VOLTAGE  
CHARACTERISTICS  
ION IMPLANTATION  
RECTIFIERS  
SOI (SEMICONDUCTORS)

### METAL OXIDES

GS CHALCOGENIDES  
OXIDES  
METAL OXIDES  
ALKALINE EARTH OXIDES  
BARIUM OXIDES  
BERYLLIUM OXIDES  
CALCIUM OXIDES  
AKERMANITE  
MAGNESIUM OXIDES  
AKERMANITE  
PERICLASE  
ALUMINUM OXIDES  
SAPPHIRE  
BISMUTH OXIDES  
CERIUM OXIDES  
CESIUM OXIDES  
CHROMIUM OXIDES  
COBALT OXIDES  
COPPER OXIDES  
GALLIUM OXIDES  
HAFNIUM OXIDES  
IRON OXIDES  
HEMATITE  
ILMENITE  
MAGNETITE  
LANTHANUM OXIDES  
LEAD OXIDES  
LITHIUM OXIDES  
MANGANESE OXIDES  
HOPCALITE (TRADEMARK)  
MERCURY OXIDES  
MIXED OXIDES  
MOLYBDENUM OXIDES  
NICKEL OXIDES  
NIOBIUM OXIDES

# METAL-INSULATOR-METAL SEMICONDUCTORS

## METAL OXIDES-(CONT.)

... PLATINUM OXIDES  
 ... PLUTONIUM OXIDES  
 ... POTASSIUM OXIDES  
 ... SCANDIUM OXIDES  
 ... SILVER OXIDES  
 ... SODIUM PEROXIDES  
 ... TANTALUM OXIDES  
 ... THORIUM OXIDES  
 ... TIN OXIDES  
 ... TITANIUM OXIDES  
 ... ANATASE  
 ... ILMENITE  
 ... RUTILE  
 ... TUNGSTEN OXIDES  
 ... SCHEELITE  
 ... URANIUM OXIDES  
 ... VANADIUM OXIDES  
 ... YTTRIUM OXIDES  
 ... ZINC OXIDES  
 ... ZIRCONIUM OXIDES  
 RT CATHODIC COATINGS  
 HIGH TEMPERATURE  
 SUPERCONDUCTORS  
 ∞ METAL COMPOUNDS  
 OXIDE FILMS  
 VANADATES

## METAL PARTICLES

GS PARTICLES  
 . METAL PARTICLES  
 . METAL POWDER  
 . PLATINUM BLACK  
 . POWDERED ALUMINUM  
 . SINTERED ALUMINUM POWDER  
 RT POWDER METALLURGY  
 SCRAP  
 SPUTTERING

## METAL PLATES

UF PLATE (METAL)  
 GS STRUCTURAL MEMBERS  
 . PLATES (STRUCTURAL MEMBERS)  
 . METAL PLATES  
 . BOILER PLATE  
 RT ARMOR  
 BARS  
 BILLETS  
 FLANGES  
 FLAT PLATES  
 GIRDER WEBS  
 PARALLEL PLATES  
 ∞ PLATES  
 RECTANGULAR PLATES  
 SLABS  
 THICK PLATES  
 THIN PLATES

## METAL POLISHING

UF POLISHED METALS  
 GS POLISHING  
 . METAL POLISHING  
 . ELECTROPOLISHING  
 RT CLEANING  
 SURFACE FINISHING

## METAL POWDER

UF POWDERED METALS  
 GS PARTICLES  
 . METAL PARTICLES  
 . METAL POWDER  
 . PLATINUM BLACK  
 . POWDERED ALUMINUM  
 . SINTERED ALUMINUM POWDER  
 . POWDER (PARTICLES)  
 . METAL POWDER  
 . PLATINUM BLACK  
 . POWDERED ALUMINUM  
 . SINTERED ALUMINUM POWDER  
 RT ATOMIZING  
 BEARING ALLOYS  
 COMMINUTION  
 COMPRESSIBILITY  
 COMPRESSING  
 ELECTRODEPOSITION  
 FLAKES  
 METALS  
 MIXING  
 POROUS MATERIALS  
 POWDER METALLURGY  
 REDUCTION (CHEMISTRY)  
 SINTERING  
 SIZE SEPARATION

## METAL PROPELLANTS

GS PROPELLANTS  
 . ROCKET PROPELLANTS  
 . SOLID ROCKET PROPELLANTS  
 . METAL PROPELLANTS  
 . SOLID PROPELLANTS  
 . SOLID ROCKET PROPELLANTS  
 . METAL PROPELLANTS  
 RT ALUMINUM COMPOUNDS  
 BERYLLIUM COMPOUNDS  
 BORON COMPOUNDS  
 GELLED PROPELLANTS  
 GELLED ROCKET PROPELLANTS  
 HYBRID PROPELLANTS  
 MONOPROPELLANTS  
 SLURRY PROPELLANTS

## METAL SHEETS

UF SHEET METAL  
 RT PLATES (STRUCTURAL MEMBERS)  
 ∞ SHEETS

## METAL SHELLS

GS SHELLS (STRUCTURAL FORMS)  
 . METAL SHELLS  
 RT CIRCULAR SHELLS  
 CYLINDRICAL SHELLS  
 HEMISPHERICAL SHELLS  
 HULLS (STRUCTURES)  
 MEMBRANE STRUCTURES  
 ORTHOTROPIC SHELLS  
 REINFORCED SHELLS  
 SKIN (STRUCTURAL MEMBER)  
 SPHERICAL SHELLS  
 THIN WALLED SHELLS  
 TOROIDAL SHELLS

## METAL SPINNING

UF SPIN FORGING  
 SPINNING (METALLURGY)  
 GS FORMING TECHNIQUES  
 . METAL SPINNING  
 . HYDROSPINNING  
 METAL WORKING  
 . METAL SPINNING  
 . HYDROSPINNING  
 SPIN  
 . METAL SPINNING  
 . HYDROSPINNING  
 RT COLD WORKING  
 EXTRUDING  
 HOT WORKING

## METAL SPRAYING

GS SPRAYING  
 . METAL SPRAYING  
 RT ARC SPRAYING  
 COATING  
 COATINGS  
 FLAME SPRAYING  
 METALLIZING  
 SURFACE FINISHING

## METAL STRIPS

RT BILLETS  
 RIBBONS  
 STRAKES  
 ∞ STRIP

## METAL SURFACES

RT CRACK INITIATION  
 CRYSTAL SURFACES  
 EROSION  
 GAS-SOLID INTERFACES  
 LIQUID-SOLID INTERFACES  
 OXIDE FILMS  
 SOLID SURFACES  
 SURFACE FINISHING  
 SURFACE PROPERTIES  
 SURFACE REACTIONS  
 ∞ SURFACES

## METAL VAPOR LASERS

GS STIMULATED EMISSION DEVICES  
 . LASERS  
 . METAL VAPOR LASERS  
 RT LASER MATERIALS  
 LASER MICROSCOPY  
 OPTICAL PUMPING

## METAL VAPORS

GS METALS  
 . METAL VAPORS  
 . MERCURY VAPOR  
 . SODIUM VAPOR

## METAL VAPORS-(CONT.)

VAPORS  
 . METAL VAPORS  
 . MERCURY VAPOR  
 . SODIUM VAPOR  
 RT ALKALI METALS  
 ALKALI VAPOR LAMPS  
 GAS-METAL INTERACTIONS  
 HEAT TRANSFER  
 LIQUID METALS  
 VAPOR DEPOSITION

## METAL WHISKER REINFORCEMENT

USE WHISKER COMPOSITES

## METAL WORKING

SN (METAL DEFORMATION FOR CHANGING  
 SHAPE AND FOR  
 PROPERTIES--EXCLUDES CASTING,  
 CUTTING, DEPOSITION PROCESS AND  
 MACHINING)  
 UF METAL FORMING  
 GS METAL WORKING  
 . AUSFORMING  
 . BULGING  
 . CLADDING  
 . COINING  
 . EXPLOSIVE FORMING  
 . FORGING  
 . HYDROFORMING  
 . MAGNETIC FORMING  
 . METAL DRAWING  
 . METAL SPINNING  
 . HYDROSPINNING  
 . SIZING (SHAPING)  
 RT BRAKES (FORMING OR BENDING)  
 ∞ BREAKDOWN  
 CASTING  
 COLD PRESSING  
 COLD ROLLING  
 COLD WORKING  
 DECARBURIZATION  
 DEEP DRAWING  
 DIMPLING  
 ELECTROHYDRAULIC FORMING  
 ELECTROMAGNETIC HAMMERS  
 EXPLOSIVE WELDING  
 EXTRUDING  
 FLATTENING  
 FORMING TECHNIQUES  
 HARDENING (MATERIALS)  
 HOT ISOSTATIC PRESSING  
 HOT PRESSING  
 HOT WORKING  
 LASER APPLICATIONS  
 LEVELING  
 MACHINING  
 MALLEABILITY  
 ∞ METALLURGY  
 PEENING  
 PERFORATING  
 PIERCING  
 PLASMA ARC CUTTING  
 PRESSING (FORMING)  
 PYROMETALLURGY  
 ∞ REDUCTION  
 ROLL FORMING  
 ∞ ROLLING  
 SHEARING  
 SHOT PEENING  
 STAMPING  
 STRETCH FORMING  
 STRETCHING  
 SWAGING  
 TEMPERING  
 WINDING  
 WORK HARDENING

## METAL-BARRIER-METAL JUNCTIONS

USE MBM JUNCTIONS

## METAL-GAS SYSTEMS

RT GAS LUBRICANTS  
 GAS-METAL INTERACTIONS  
 GASES  
 METALS  
 ∞ SYSTEMS  
 VAPOR PHASES

## METAL-INSULATOR-METAL DIODES

USE MIM DIODES

## METAL-INSULATOR-METAL SEMICONDUCTORS

USE MIM (SEMICONDUCTORS)



## METAL-METAL BONDING

### METAL-METAL BONDING

- GS BONDING
  - . METAL BONDING
  - . . . **METAL-METAL BONDING**
- RT ADHESIVE BONDING
  - ADHESIVES
  - DIFFUSION WELDING
  - EXPLOSIVE WELDING
  - HEAT AFFECTED ZONE
  - INERTIA BONDING
  - RESIN BONDING
  - SOLDERING
  - WELDING

### METAL-NITRIDE-OXIDE-SEMICONDUCTORS

- GS ELECTRONIC EQUIPMENT
  - . SOLID STATE DEVICES
  - . . . **METAL-NITRIDE-OXIDE-SEMICONDUCTORS**
  - ORS
  - SEMICONDUCTORS (MATERIALS)
  - . . . **METAL-NITRIDE-OXIDE-SEMICONDUCTORS**
  - ORS
- RT CHIPS (MEMORY DEVICES)

### METAL-NITRIDE-OXIDE-SILICON

- UF MNOS
- GS SEMICONDUCTORS (MATERIALS)
  - . **METAL-NITRIDE-OXIDE-SILICON**

### METAL-OXIDE-METAL SEMICONDUCTORS

- USE MOM (SEMICONDUCTORS)

### METAL-SEMICONDUCTOR-METAL SEMICONDUCTORS

- USE MSM (SEMICONDUCTORS)

### METAL-WATER REACTIONS

- GS CHEMICAL REACTIONS
  - . **METAL-WATER REACTIONS**
- RT CORROSION
  - ELECTROCHEMICAL CORROSION
  - EROSION
  - PITTING
  - RUSTING
  - SURFACE REACTIONS

### METALLIC GLASSES

- GS GLASS
  - . **METALLIC GLASSES**
- RT GLASS COATINGS
  - GLASS FIBERS
  - OPTICAL PROPERTIES
  - SILICON DIOXIDE
  - SPIN GLASS
  - VITREOUS MATERIALS

### METALLIC HYDROGEN

- GS CHEMICAL ELEMENTS
  - . HYDROGEN
  - . . . HYDROGEN ISOTOPES
  - . . . **METALLIC HYDROGEN**
  - GASES
  - . HYDROGEN
  - . . . HYDROGEN ISOTOPES
  - . . . **METALLIC HYDROGEN**
- RT CRITICAL TEMPERATURE
  - SOLID PHASES
  - SOLID STATE
  - SOLIDIFIED GASES
  - SOLIDS

### METALLIC PLASMAS

- GS PARTICLES
  - . CHARGED PARTICLES
  - . . . ENERGETIC PARTICLES
  - . . . PLASMAS (PHYSICS)
  - . . . **METALLIC PLASMAS**
  - . . . CESIUM PLASMA
- RT ELECTRON PLASMA
  - MERCURY ARCS
  - PLASMA SHEATHS

### METALLIC STARS

- GS CELESTIAL BODIES
  - . STARS
  - . . . **METALLIC STARS**
- RT ABUNDANCE
  - CHEMICAL COMPOSITION
  - METALLICITY
  - STELLAR ATMOSPHERES
  - STELLAR STRUCTURE

### METALLICITY

- RT ABUNDANCE

### METALLICITY-(CONT.)

- CHEMICAL ANALYSIS
- CHEMICAL COMPOSITION
- GALACTIC CLUSTERS
- GALAXIES
- GLOBULAR CLUSTERS
- HYDROGEN
- INTERSTELLAR MATTER
- MASS RATIOS
- METALLIC STARS
- METALS
- SPECTROSCOPIC ANALYSIS
- STAR CLUSTERS
- STARS

### METALLIZING

- GS COATING
  - . **METALLIZING**
  - COATINGS
  - . **METALLIZING**
- RT CLADDING
  - ELECTROPLATING
  - FINISHES
  - FLAME SPRAYING
  - LAMINATES
  - METAL COATINGS
  - METAL FILMS
  - METAL SPRAYING
  - PLATING
  - SPRAYING
  - SUBSTRATES
  - VAPOR DEPOSITION

### METALLOGRAPHY

- RT ABRASION
  - ALLOYS
  - ANISOTROPY
  - CRYSTAL LATTICES
  - CRYSTALLOGRAPHY
  - ELECTROPOLISHING
  - ETCHING
  - FERROGRAPHY
  - INCLUSIONS
  - ISOTROPY
- . MATERIALS TESTS
  - METAL CRYSTALS
- . METALLURGY
  - METALS
  - MICROPOROSITY
  - MICROSCOPES
  - MICROSTRUCTURE
  - MUSHY ZONES
  - ORDER-DISORDER TRANSFORMATIONS
  - PHOTOMICROGRAPHY
  - POLISHING
  - RADIOGRAPHY
  - REPLICAS
  - SOLID SUSPENSIONS
  - TIME TEMPERATURE PARAMETER
  - VIBRATORY POLISHING
  - WIDMANSTATTEN STRUCTURE
  - X RAY DIFFRACTION

### METALLOIDS

- UF SEMIMETALS
- GS CHEMICAL ELEMENTS
  - . **METALLOIDS**
  - . . . ANTIMONY
  - . . . ANTIMONY ISOTOPES
  - . . . ARSENIC
  - . . . ARSENIC ISOTOPES
  - . . . BORON
  - . . . BORON ISOTOPES
  - . . . BORON 10
  - . . . GERMANIUM
  - . . . GERMANIUM ISOTOPES
  - . . . POLONIUM
  - . . . POLONIUM ISOTOPES
  - . . . POLONIUM 208
  - . . . POLONIUM 209
  - . . . POLONIUM 210
  - . . . SILICON
  - . . . AMORPHOUS SILICON
  - . . . SILICON ISOTOPES
  - . . . TELLURIUM
  - . . . TELLURIUM ISOTOPES
- RT ALLOYS
  - ARSENIC ALLOYS
  - BORON ALLOYS
  - INTERMETALLICS
  - METALS
  - ORGANOMETALLIC COMPOUNDS
  - SEMICONDUCTORS (MATERIALS)

### METALLOORGANIC COMPOUNDS

- USE ORGANOMETALLIC COMPOUNDS

### METALLOSILOXANE POLYMER

- RT ORGANOMETALLIC COMPOUNDS
  - . POLYMERS

### METALLOXANE POLYMER

- GS ORGANOMETALLIC COMPOUNDS
  - . **METALLOXANE POLYMER**
- RT . POLYMERS

### . METALLURGY

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)*
- RT ALLOYING
  - ALLOYS
  - BENEFICIATION
  - CASTING
  - COATING
  - COATINGS
  - CORROSION
  - CRYSTALLOGRAPHY
  - DUPLEX OPERATION
  - FERROUS METALS
  - FOUNDRIES
  - FRACTOGRAPHY
  - FURNACES
  - HARDENING (MATERIALS)
  - HEAT AFFECTED ZONE
  - HEAT TREATMENT
  - HYDROMETALLURGY
  - LEVITATION MELTING
  - LIGHT ALLOYS
  - MECHANICAL PROPERTIES
  - MELT SPINNING
  - MELTING
  - METAL COATINGS
  - METAL FOAMS
  - METAL WORKING
  - METALLOGRAPHY
  - METALS
  - NONFERROUS METALS
- . PHYSICAL SCIENCES
  - POWDER METALLURGY
  - PYROMETALLURGY
  - RAPID QUENCHING (METALLURGY)
  - RECRYSTALLIZATION
- . SCIENCE
  - SMELTING
  - THERMOMECHANICAL TREATMENT

### METALS

- UF MAGNETIC METALS
- GS **METALS**
  - . ACTINIDE SERIES
  - . . . ACTINIUM
  - . . . RADIUM
  - . . . RADIUM ISOTOPES
  - . . . RADIUM 226
  - . . . THORIUM
  - . . . THORIUM ISOTOPES
  - . . . TRANSURANIUM ELEMENTS
  - . . . AMERICIUM
  - . . . AMERICIUM ISOTOPES
  - . . . AMERICIUM 241
  - . . . BERKELIUM
  - . . . CALIFORNIUM
  - . . . CALIFORNIUM ISOTOPES
  - . . . CURIUM
  - . . . CURIUM ISOTOPES
  - . . . CURIUM 242
  - . . . CURIUM 244
  - . . . EINSTEINIUM
  - . . . FERMIUM
  - . . . LAWRENCIUM
  - . . . MENDELEVIUM
  - . . . MENDELEVIUM ISOTOPES
  - . . . NEPTUNIUM
  - . . . NEPTUNIUM ISOTOPES
  - . . . NOBELIUM
  - . . . PLUTONIUM
  - . . . PLUTONIUM ISOTOPES
  - . . . PLUTONIUM 238
  - . . . PLUTONIUM 239
  - . . . PLUTONIUM 240
  - . . . PLUTONIUM 241
  - . . . PLUTONIUM 244
  - . . . SERGENIUM
  - . . . URANIUM
  - . . . URANIUM ISOTOPES
  - . . . URANIUM 232
  - . . . URANIUM 233
  - . . . URANIUM 234

**METALS-(CONT.)**

... URANIUM 235  
 ... URANIUM 238  
 . ALKALI METALS  
 . CESIUM  
 . CESIUM ISOTOPES  
 . CESIUM 133  
 . CESIUM 134  
 . CESIUM 137  
 . CESIUM 144  
 . CESIUM VAPOR  
 . FRANCIUM  
 . LITHIUM  
 . LIQUID LITHIUM  
 . LITHIUM ISOTOPES  
 . POTASSIUM  
 . LIQUID POTASSIUM  
 . POTASSIUM ISOTOPES  
 . POTASSIUM 38  
 . POTASSIUM 39  
 . POTASSIUM 40  
 . RUBIDIUM  
 . RUBIDIUM ISOTOPES  
 . RUBIDIUM 86  
 . SODIUM  
 . LIQUID SODIUM  
 . SODIUM ISOTOPES  
 . SODIUM 22  
 . SODIUM 24  
 . SODIUM VAPOR  
 . ALKALINE EARTH METALS  
 . BARIUM ISOTOPES  
 . ALUMINUM  
 . ALUMINUM ISOTOPES  
 . ALUMINUM 26  
 . ALUMINUM 27  
 . ANTIMONY ISOTOPES  
 . ASTATINE  
 . ASTATINE ISOTOPES  
 . BARIUM  
 . BARIUM ISOTOPES  
 . BERYLLIUM  
 . BERYLLIUM ISOTOPES  
 . BERYLLIUM 7  
 . BERYLLIUM 9  
 . BERYLLIUM 10  
 . BISMUTH  
 . BISMUTH ISOTOPES  
 . CALCIUM  
 . CALCIUM ISOTOPES  
 . COPPER ISOTOPES  
 . FERROUS METALS  
 . GALLIUM  
 . GALLIUM ISOTOPES  
 . INDIUM  
 . INDIUM ISOTOPES  
 . LEAD (METAL)  
 . LEAD ISOTOPES  
 . LIQUID METALS  
 . LIQUID LITHIUM  
 . LIQUID POTASSIUM  
 . LIQUID SODIUM  
 . MERCURY (METAL)  
 . MERCURY VAPOR  
 . MAGNESIUM  
 . MAGNESIUM ISOTOPES  
 . METAL VAPORS  
 . MERCURY VAPOR  
 . SODIUM VAPOR  
 . NOBLE METALS  
 . GOLD  
 . GOLD ISOTOPES  
 . GOLD 198  
 . RUTHENIUM  
 . RUTHENIUM ISOTOPES  
 . SILVER  
 . SILVER ISOTOPES  
 . NONFERROUS METALS  
 . PROTACTINIUM  
 . PROTACTINIUM ISOTOPES  
 . RARE EARTH ELEMENTS  
 . CERIUM  
 . CERIUM ISOTOPES  
 . CERIUM 137  
 . CERIUM 144  
 . DYSPROSIUM  
 . DYSPROSIUM ISOTOPES  
 . ERBIUM  
 . ERBIUM ISOTOPES  
 . EUROPIUM  
 . EUROPIUM ISOTOPES  
 . GADOLINIUM  
 . GADOLINIUM ISOTOPES  
 . HOLMIUM  
 . HOLMIUM ISOTOPES  
 . LANTHANUM

**METALS-(CONT.)**

... LANTHANUM ISOTOPES  
 . LUTETIUM  
 . LUTETIUM ISOTOPES  
 . NEODYMIUM  
 . NEODYMIUM ISOTOPES  
 . PRASEODYMIUM  
 . PRASEODYMIUM ISOTOPES  
 . PROMETHIUM  
 . PROMETHIUM ISOTOPES  
 . SAMARIUM  
 . SAMARIUM ISOTOPES  
 . SCANDIUM  
 . SCANDIUM ISOTOPES  
 . TERBIUM  
 . TERBIUM ISOTOPES  
 . THULIUM  
 . THULIUM ISOTOPES  
 . YTTERBIUM  
 . YTTERBIUM ISOTOPES  
 . YTTRIUM  
 . YTTRIUM ISOTOPES  
 . REFRACTORY METALS  
 . CHROMIUM  
 . CHROMIUM ISOTOPES  
 . IRIIDIUM  
 . IRIIDIUM ISOTOPES  
 . MOLYBDENUM  
 . NIOBIUM  
 . NIOBIUM ISOTOPES  
 . NIOBIUM 95  
 . OSMIUM  
 . OSMIUM ISOTOPES  
 . RHENIUM  
 . RHENIUM ISOTOPES  
 . TANTALUM  
 . TANTALUM ISOTOPES  
 . TUNGSTEN  
 . TUNGSTEN ISOTOPES  
 . STRONTIUM  
 . STRONTIUM ISOTOPES  
 . STRONTIUM 85  
 . STRONTIUM 87  
 . STRONTIUM 89  
 . STRONTIUM 90  
 . THALLIUM  
 . THALLIUM ISOTOPES  
 . TIN  
 . TIN ISOTOPES  
 . TRANSITION METALS  
 . CADMIUM  
 . CADMIUM ISOTOPES  
 . CHROMIUM  
 . CHROMIUM ISOTOPES  
 . COBALT  
 . COBALT ISOTOPES  
 . COBALT 58  
 . COBALT 60  
 . GOLD  
 . GOLD ISOTOPES  
 . GOLD 198  
 . HAFNIUM  
 . HAFNIUM ISOTOPES  
 . IRIIDIUM  
 . IRIIDIUM ISOTOPES  
 . IRON  
 . IRON ISOTOPES  
 . IRON 57  
 . IRON 58  
 . IRON 59  
 . MANGANESE  
 . MANGANESE ISOTOPES  
 . MOLYBDENUM  
 . NICKEL  
 . NICKEL ISOTOPES  
 . NIOBIUM  
 . NIOBIUM ISOTOPES  
 . NIOBIUM 95  
 . OSMIUM  
 . OSMIUM ISOTOPES  
 . PALLADIUM  
 . PLATINUM  
 . PLATINUM ISOTOPES  
 . RHENIUM  
 . RHENIUM ISOTOPES  
 . RHODIUM  
 . RHODIUM ISOTOPES  
 . RUTHENIUM  
 . RUTHENIUM ISOTOPES  
 . SCANDIUM  
 . SCANDIUM ISOTOPES  
 . SILVER  
 . SILVER ISOTOPES  
 . TANTALUM  
 . TANTALUM ISOTOPES  
 . TECHNETIUM

**METALS-(CONT.)**

... TECHNETIUM ISOTOPES  
 . TITANIUM  
 . TITANIUM ISOTOPES  
 . TUNGSTEN  
 . TUNGSTEN ISOTOPES  
 . VANADIUM  
 . VANADIUM ISOTOPES  
 . YTTRIUM  
 . YTTRIUM ISOTOPES  
 . ZINC  
 . ZINC ISOTOPES  
 . ZIRCONIUM  
 . ZIRCONIUM ISOTOPES  
 . ZIRCONIUM 95  
 . ULTRAPURE METALS  
 . URANIUM PLASMAS  
 RT ALLOYS  
 . ANTIMONY  
 . ARSENIC  
 . ARSENIC ISOTOPES  
 . BIMETALS  
 . BORSIC (TRADENAME)  
 . CERMETS  
 . CHEMICAL ELEMENTS  
 . COMPOSITE MATERIALS  
 . CONDUCTORS  
 . EUTECTIC COMPOSITES  
 . GADOLINIUM ALLOYS  
 . INTERMETALLICS  
 . ISOTOPES  
 . LIGHT ALLOYS  
 . LIQUID ALLOYS  
 . METAL COATINGS  
 . METAL COMBUSTION  
 . METAL COMPOUNDS  
 . METAL CRYSTALS  
 . METAL FILMS  
 . METAL FOILS  
 . METAL FUELS  
 . METAL IONS  
 . METAL POWDER  
 . METAL-GAS SYSTEMS  
 . METALLICITY  
 . METALLOGRAPHY  
 . METALLOIDS  
 . METALLURGY  
 . MONOTECTIC ALLOYS  
 . PALLADIUM COMPOUNDS  
 . POLONIUM  
 . POLONIUM ISOTOPES  
 . POLONIUM 208  
 . POLONIUM 209  
 . POLONIUM 210  
 . STRATEGIC MATERIALS  
 . SYNTACTIC ALLOYS  
 . METAMORPHIC ROCKS  
 GS ROCKS  
 . METAMORPHIC ROCKS  
 . QUARTZITE  
 RT METAMORPHISM (GEOLOGY)  
 . METAMORPHISM (GEOLOGY)  
 RT CONTACTS (GEOLOGY)  
 . METAMORPHIC ROCKS  
 . PHASE TRANSFORMATIONS  
 . ROCKS  
 . METASTABILITY  
 USE METASTABLE STATE  
 . METASTABLE ATOMS  
 GS ATOMS  
 . METASTABLE ATOMS  
 RT PENNING EFFECT  
 . METASTABLE STATE  
 UF METASTABILITY  
 RT EXCITATION  
 . RADIATION TRAPPING  
 . STABILITY  
 . STEADY STATE  
 . UNSTEADY STATE  
 . METATHESIS  
 GS CHEMICAL REACTIONS  
 . METATHESIS  
 RT ELECTROLYSIS  
 . ION EXCHANGING  
 . METAZOA  
 USE ANIMALS



# METEOROLOGY

## METEORIDS-(CONT.)

METEORITES  
METEOROID HAZARDS  
METEOROID SHOWERS  
MICROMETEORITES  
NATURAL SATELLITES  
PARTICLE TRACKS  
RADIATION METEOROID SPACECRAFT  
SOLAR SYSTEM  
SPACE DEBRIS  
TEMPEL 2 COMET  
TORO ASTEROID  
VESTA ASTEROID

## METEOROLOGICAL BALLOONS

GS EXPANDABLE STRUCTURES  
INFLATABLE STRUCTURES  
BALLOONS  
METEOROLOGICAL BALLOONS  
JIMSPHERE BALLOONS  
ROBIN BALLOONS  
RT DROPSONDES  
HIGH ALTITUDE BALLOONS  
RADIOSONDES  
RAWINSONDES  
ROCKOONS  
SKYHOOK BALLOONS  
SOUNDING  
SUPERPRESSURE BALLOONS  
TETHERED BALLOONS  
UPPER ATMOSPHERE  
WEATHER FORECASTING

## METEOROLOGICAL CHARTS

UF WEATHER CHARTS  
WEATHER MAPS  
GS CHARTS  
METEOROLOGICAL CHARTS  
MAPS  
METEOROLOGICAL CHARTS  
RT ISOBARS (PRESSURE)  
RADAR MAPS  
SYNOPTIC METEOROLOGY

## METEOROLOGICAL FLIGHT

RT AERIAL RECONNAISSANCE  
BALLOON FLIGHT  
FLIGHT  
ICE REPORTING  
ROCKET FLIGHT  
SIRS B SATELLITE  
SOUNDING  
SPACE FLIGHT  
WEATHER FORECASTING

## METEOROLOGICAL INSTRUMENTS

GS MEASURING INSTRUMENTS  
METEOROLOGICAL INSTRUMENTS  
BAROMETERS  
CLOUD HEIGHT INDICATORS  
DROPSONDES  
RADIOMETEOROLOGRAPHS  
RADIOSONDES  
ENDORADIOSONDES  
IONOSONDES  
RAWINSONDES  
RAIN GAGES  
WEATHER DATA RECORDERS  
WIND VANES  
RT ANEMOMETERS  
BALLOON-BORNE INSTRUMENTS  
HOT-FILM ANEMOMETERS  
HOT-WIRE ANEMOMETERS  
HUMIDITY MEASUREMENT  
HYGROMETERS  
HYPSOMETERS  
INSTRUMENTS  
LIGHT SCATTERING METERS  
METEOROLOGY  
NEPHANALYSIS  
PSYCHROMETERS  
RECORDING INSTRUMENTS  
ROCKET-BORNE INSTRUMENTS  
SIRS B SATELLITE  
SODAR  
SOUND DETECTING AND RANGING  
SOUNDING ROCKETS  
TRANSDUCERS  
WEATHER RECONNAISSANCE AIRCRAFT  
WEATHER STATIONS

## METEOROLOGICAL PARAMETERS

GS CONSTRAINTS  
METEOROLOGICAL PARAMETERS  
BRUNT-VAISALA FREQUENCY

## METEOROLOGICAL PARAMETERS-(CONT.)

RT AEROLOGY  
AGROCLIMATOLOGY  
ANNUAL VARIATIONS  
ATMOSPHERIC & OCEANOGRAPHIC  
INFORM SYS  
ATMOSPHERIC CLOUD PHYSICS LAB  
(SPACELAB)  
ATMOSPHERIC TURBULENCE  
AVIATION METEOROLOGY  
CEILINGS (METEOROLOGY)  
CLOUD COVER  
COLD FRONTS  
EQUATORIAL ATMOSPHERE  
FRONTS (METEOROLOGY)  
HUMIDITY  
HYDROLOGY  
ISOTHERMS  
MOISTURE  
OCEAN DATA ACQUISITIONS SYSTEMS  
OCEANOGRAPHIC PARAMETERS  
PRECIPITATION (METEOROLOGY)  
STORMS (METEOROLOGY)  
TELECONNECTIONS (METEOROLOGY)  
TEMPERATURE INVERSIONS  
TROPICAL METEOROLOGY  
WARM FRONTS  
WEATHER  
WIND MEASUREMENT

## METEOROLOGICAL PROBES

USE SONDES

## METEOROLOGICAL RADAR

UF WEATHER RADAR  
GS RADAR  
RT METEOROLOGICAL RADAR  
PRECIPITATION PARTICLE  
MEASUREMENT  
PULSE RADAR  
RADAR SCANNING  
RADAR TRACKING  
RADIO METEOROLOGY  
SURVEILLANCE RADAR  
WEATHER FORECASTING

## METEOROLOGICAL RESEARCH AIRCRAFT

RT AIRCRAFT  
DATA ACQUISITION  
RESEARCH AIRCRAFT

## METEOROLOGICAL ROCKETS

USE SOUNDING ROCKETS

## METEOROLOGICAL SATELLITES

GS ARTIFICIAL SATELLITES  
METEOROLOGICAL SATELLITES  
AEROS SATELLITE  
COSMOS 144 SATELLITE  
D-2 SATELLITES  
DMSP SATELLITES  
ELEKTRON SATELLITES  
ELEKTRON 1 SATELLITE  
ELEKTRON 2 SATELLITE  
ELEKTRON 4 SATELLITE  
EOLE SATELLITES  
ESSA SATELLITES  
ESSA 1 SATELLITE  
ESSA 2 SATELLITE  
ESSA 3 SATELLITE  
ESSA 4 SATELLITE  
ESSA 5 SATELLITE  
ESSA 6 SATELLITE  
ESSA 7 SATELLITE  
ESSA 8 SATELLITE  
ESSA 9 SATELLITE  
EXPLORER 9 SATELLITE  
EXPLORER 17 SATELLITE  
EXPLORER 19 SATELLITE  
GEOL SATELLITES  
GOES 6  
METEOSAT SATELLITE  
NIMBUS SATELLITES  
NIMBUS 1 SATELLITE  
NIMBUS 2 SATELLITE  
NIMBUS 3 SATELLITE  
NIMBUS 4 SATELLITE  
NIMBUS 5 SATELLITE  
NIMBUS 6 SATELLITE  
NIMBUS 7 SATELLITE  
NOAA SATELLITES  
NOAA 2 SATELLITE  
NOAA 3 SATELLITE  
NOAA 4 SATELLITE  
NOAA 5 SATELLITE

## METEOROLOGICAL SATELLITES-(CONT.)

NOAA 6 SATELLITE  
NOAA 7 SATELLITE  
NOAA 8 SATELLITE  
SAN MARCO SATELLITES  
SAN MARCO 1 SATELLITE  
SAN MARCO 2 SATELLITE  
SAN MARCO 3 SATELLITE  
SEOS (SATELLITE)  
SIRS B SATELLITE  
SPUTNIK 1 SATELLITE  
SPUTNIK 2 SATELLITE  
SPUTNIK 3 SATELLITE  
SRET SATELLITES  
SRET 1 SATELLITE  
SRET 2 SATELLITE  
SYNCHRONOUS EARTH  
OBSERVATORY SATELLITE  
SMS 1  
SMS 2  
SYNCHRONOUS METEOROLOGICAL  
SATELLITE  
SMS 1  
SMS 2  
TIROS SATELLITES  
IMPROVED TIROS OPERATIONAL  
SATELLITES  
ITOS 1  
ITOS 2  
ITOS 3  
ITOS 4  
ITOS SATELLITES  
ITOS 1  
ITOS 2  
ITOS 3  
ITOS 4  
TIROS M  
TIROS N SERIES SATELLITES  
TIROS 1 SATELLITE  
TIROS 2 SATELLITE  
TIROS 3 SATELLITE  
TIROS 4 SATELLITE  
TIROS 5 SATELLITE  
TIROS 6 SATELLITE  
TIROS 7 SATELLITE  
TIROS 8 SATELLITE  
TIROS 9 SATELLITE  
TIROS 10 SATELLITE  
VANGUARD 2 SATELLITE  
RT AGRISTARS PROJECT  
ATS  
CLOUD PHOTOGRAPHY  
GEOPHYSICAL SATELLITES  
GOES 1  
GOES 2  
GOES 3  
GOES 4  
GOES 5  
INFRARED PHOTOGRAPHY  
JAPANESE SPACE PROGRAM  
METEOROLOGY  
MILITARY SPACECRAFT  
NAVIGATION SATELLITES  
NIMBUS PROJECT  
NOESS  
SATELLITE OBSERVATION  
SATELLITE SOUNDING  
SATELLITE TELEVISION  
SOUNDING ROCKETS  
SPACE PROBES  
TIROS PROJECT  
UNMANNED SPACECRAFT  
VANGUARD SATELLITES  
WEATHER FORECASTING  
WEATHER STATIONS

## METEOROLOGICAL SERVICES

GS SERVICES  
RT METEOROLOGICAL SERVICES  
AUTOMATIC WEATHER STATIONS  
AVIATION METEOROLOGY  
FLIGHT CONDITIONS  
WEATHER FORECASTING  
WEATHER STATIONS

## METEOROLOGICAL SOLENOIDS

RT BAROCLINITY  
VORTICES

## METEOROLOGICAL STATIONS

USE WEATHER STATIONS

## METEOROLOGY

UF ATMOSPHERIC CONDITIONS  
GS METEOROLOGY

## METEORS

### METEOROLOGY-(CONT.)

- . AEROLGY
- . AGROMETEOROLOGY
- . ALPINE METEOROLOGY
- . AVIATION METEOROLOGY
- . BIOMETEOROLOGY
- . HYDROMETEOROLOGY
- . MARINE METEOROLOGY
- . MESOMETEOROLOGY
- . MICROMETEOROLOGY
- . MICROBURSTS (METEOROLOGY)
- . NUCLEAR METEOROLOGY
- . PLANETARY METEOROLOGY
- . POLAR METEOROLOGY
- . RADIO METEOROLOGY
- . SYNOPTIC METEOROLOGY
- . TROPICAL METEOROLOGY
- . WEATHER FORECASTING
- . LONG RANGE WEATHER FORECASTING
- . NOWCASTING
- . NUMERICAL WEATHER FORECASTING
- . STATISTICAL WEATHER FORECASTING

RT ACID RAIN  
ACOUSTIC SOUNDING  
AERONOMY  
AGROCLIMATOLOGY  
AIR LAND INTERACTIONS  
AIR MASSES  
ANNUAL VARIATIONS  
ANTICYCLONES  
ANVIL CLOUDS  
ARC CLOUDS  
∞ ATMOSPHERES  
ATMOSPHERIC & OCEANOGRAPHIC  
INFORM SYS  
ATMOSPHERIC DENSITY  
ATMOSPHERIC PHYSICS  
ATMOSPHERIC TURBULENCE  
BAROCLINIC INSTABILITY  
BRIGHTNESS TEMPERATURE  
CAP CLOUDS  
CEILINGS (METEOROLOGY)  
CIRROCUMULUS CLOUDS  
CIRROSTRATUS CLOUDS  
CIRRUS SHIELDS  
CLIMATE  
CLIMATOLOGY  
CLOUD COVER  
CLOUDS (METEOROLOGY)  
COLD FRONTS  
CONDENSATION NUCLEI  
CONVECTION  
CONVECTION CLOUDS  
CORIOLIS EFFECT  
CYCLONES  
DMSP SATELLITES  
ENVIRONMENTAL ENGINEERING  
ENVIRONMENTAL MONITORING  
FRONTS (METEOROLOGY)  
GARP ATLANTIC TROPICAL EXPERIMENT  
GEOLOGY  
GEOPHYSICS  
GLOBAL ATMOSPHERIC RESEARCH  
PROGRAM  
HAILSTORMS  
HUMIDITY  
HURRICANES  
HYDROCLIMATOLOGY  
HYDRODYNAMIC EQUATIONS  
HYDROGRAPHY  
HYDROLOGY  
INSOLATION  
ISOTHERMS  
MESOSCALE PHENOMENA  
METEOROLOGICAL INSTRUMENTS  
METEOROLOGICAL SATELLITES  
METEOSAT SATELLITE  
METHOD OF CHARACTERISTICS  
MOISTURE  
NATIONAL SEVERE STORMS PROJECT  
NEPHANALYSIS  
NOESS  
OCEANOGRAPHY  
∞ PHYSICAL SCIENCES  
PRECIPITATION (METEOROLOGY)  
∞ SCIENCE  
SEA BREEZE  
SEASONS  
SODAR  
SOUND DETECTING AND RANGING  
STORMS (METEOROLOGY)  
TELECONNECTIONS (METEOROLOGY)  
TEMPERATURE  
TEMPERATURE INVERSIONS

### METEOROLOGY-(CONT.)

- TROPICAL REGIONS
- TROPICAL STORMS
- TYPHOONS
- WARM FRONTS
- WEATHER
- WIND (METEOROLOGY)
- WIND MEASUREMENT
- WORLD METEOROLOGICAL ORGANIZATION
- ZONAL FLOW (METEOROLOGY)

### METEORS

USE METEORIODS

### METEOSAT SATELLITE

GS ARTIFICIAL SATELLITES  
. ESA SATELLITES  
. . . METEOSAT SATELLITE  
. . . METEOROLOGICAL SATELLITES  
. . . METEOSAT SATELLITE  
ESA SPACECRAFT  
. ESA SATELLITES  
. . . METEOSAT SATELLITE  
RT CLOUD COVER  
CLOUD PHOTOGRAPHY  
EUROPEAN SPACE AGENCY  
EUROPEAN SPACE PROGRAMS  
FRENCH SATELLITES  
FRENCH SPACE PROGRAMS  
INFRARED PHOTOGRAPHY  
METEOROLOGY  
SATELLITE OBSERVATION  
WEATHER

### METERS

USE MEASURING INSTRUMENTS

### METHACRYLATE RESINS

USE ACRYLIC RESINS

### METHAMPHETAMINE

GS AMINES  
. AMPHETAMINES  
. . . METHAMPHETAMINE  
DRUGS  
. METHAMPHETAMINE

### METHANATION

GS CHEMICAL REACTIONS  
. METHANATION  
RT BIOMASS ENERGY PRODUCTION  
COAL GASIFICATION  
HYDROCARBON FUELS  
HYDROLYSIS

### METHANE

GS ORGANIC COMPOUNDS  
. HYDROCARBONS  
. . . ALIPHATIC HYDROCARBONS  
. . . ALKANES  
. . . . METHANE  
RT BIOCONVERSION  
CHLOROFLUOROMETHANE  
COAL DERIVED GASES  
HYDROCARBON FUELS  
HYDROLYSIS  
LANDFILLS  
LIQUEFIED NATURAL GAS  
NATURAL GAS  
NATURAL GAS EXPLORATION  
NEPTUNE ATMOSPHERE  
OIL FIELDS  
PETROLEUM PRODUCTS  
SYNTHANE  
URANUS ATMOSPHERE

### METHANOL

USE METHYL ALCOHOL

### METHIONINE

GS ACIDS  
. AMINO ACIDS  
. . . METHIONINE  
ORGANIC COMPOUNDS  
. AMINO ACIDS  
. . . METHIONINE

### METHOD OF CHARACTERISTICS

UF CHARACTERISTIC METHOD  
RT ∞ CHARACTERISTICS  
COMPRESSIBLE FLUIDS  
FLOW DISTRIBUTION  
HYPERBOLIC FUNCTIONS

### METHOD OF CHARACTERISTICS-(CONT.)

METEOROLOGY  
∞ METHODOLOGY  
PARTIAL DIFFERENTIAL EQUATIONS  
PLASTIC PROPERTIES  
PRANDTL-MEYER EXPANSION  
STEADY FLOW  
UNSTEADY FLOW

### METHOD OF MOMENTS

RT DISTRIBUTION MOMENTS  
INTEGRAL EQUATIONS  
MATHEMATICAL MODELS  
MATRICES (MATHEMATICS)  
∞ METHODOLOGY  
MOMENT DISTRIBUTION  
MOMENTS  
NUMERICAL ANALYSIS

### ∞ METHODOLOGY

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)

UF METHODS

RT TECHNIQUES

APPROXIMATION  
ASYMPTOTIC METHODS  
BIOT METHOD  
BOUNDARY INTEGRAL METHOD  
BRIDGMAN METHOD  
CRITICAL PATH METHOD  
CROCCO METHOD  
CZOCZRAJSKI METHOD  
DEBYE-SCHERRER METHOD  
DELPHI METHOD (FORECASTING)  
DIGITAL TECHNIQUES  
EMERGENCY BREATHING TECHNIQUES  
ENCKE METHOD  
ENERGY METHODS  
EQUILIBRIUM METHODS  
ETHICS  
FINITE ELEMENT METHOD  
FINITE VOLUME METHOD  
FUJITA METHOD  
GALERKIN METHOD  
GERT  
GLIMM METHOD  
HALPHEN METHOD  
HARTREE-FOCK-SLATER METHOD  
HEURISTIC METHODS  
HILL METHOD  
IMAGING TECHNIQUES  
JACOBI MATRIX METHOD  
KJELDAHL METHOD  
LATIN SQUARE METHOD  
LAUE METHOD  
LEAST SQUARES METHOD  
LIGHTHILL METHOD  
MANAGEMENT METHODS  
MATRIX MANAGEMENT  
MATRIX METHODS  
MAXIMUM ENTROPY METHOD  
MAXWELL-MOHR METHOD  
∞ MECHANISM  
METHOD OF CHARACTERISTICS  
METHOD OF MOMENTS  
MILNE METHOD  
MILNE-THOMSON METHOD  
MINIMUM ENTROPY METHOD  
MOIRE EFFECTS  
MONTE CARLO METHOD  
NEWTON-RAPHSON METHOD  
PANEL METHOD (FLUID DYNAMICS)  
PARTICLE IN CELL TECHNIQUE  
PATTERN METHOD (FORECASTING)  
PERCUS METHOD  
POHLHAUSEN METHOD  
PROBE METHOD (FORECASTING)  
PROBLEM SOLVING  
PROFILE METHOD (FORECASTING)  
RAYLEIGH-RITZ METHOD  
RELAXATION METHOD (MATHEMATICS)  
RITZ AVERAGING METHOD  
RULER METHOD  
RUNGE-KUTTA METHOD  
SCHMIDT METHOD  
SCHWARTZ METHOD  
SIMPLEX METHOD  
STEEPEST DESCENT METHOD  
STRAIN ENERGY METHODS  
TRAVELING SOLVENT METHOD  
VAN SLYKE METHOD  
VON ZEIPPEL METHOD  
WENTZEL-KRAMER-BRILLOUIN METHOD  
WING FLOW METHOD TESTS

## MICROBALLOONS

### METHODS

USE METHODOLOGY  
PROCEDURES

### METHOXY SYSTEMS

RT ALCOHOLS  
∞ CHEMICAL COMPOUNDS  
INDOLES  
ORGANIC CHEMISTRY  
ORGANIC COMPOUNDS  
PYRROLES  
∞ SYSTEMS

### METHYL ALCOHOL

UF METHANOL  
GS HYDROXYL COMPOUNDS  
. ALCOHOLS  
. . . METHYL ALCOHOL  
RT KARL FISCHER REAGENT

### METHYL CHLORIDE

GS DRUGS  
. ANESTHETICS  
. . . METHYL CHLORIDE  
RT CHLORIDES

### METHYL CHLOROSILANES

GS HYDROGEN COMPOUNDS  
. HYDRIDES  
. . . SILANES  
. . . . METHYL CHLOROSILANES  
METHYL COMPOUNDS  
. . . METHYL CHLOROSILANES  
SILICON COMPOUNDS  
. SILANES  
. . . METHYL CHLOROSILANES

### METHYL COMPOUNDS

GS METHYL COMPOUNDS  
. ACETONITRILE  
. METHYL CHLOROSILANES  
. METHYL NITRATE  
. METHYL POLYSILOXANE  
RT ∞ CHEMICAL COMPOUNDS  
ORGANIC COMPOUNDS  
TRIMETHYL COMPOUNDS

### METHYL CYANIDE

USE ACETONITRILE

### METHYL NITRATE

GS ALKYL COMPOUNDS  
. METHYL NITRATE  
METHYL COMPOUNDS  
. METHYL NITRATE  
NITROGEN COMPOUNDS  
. NITRATES  
. . . METHYL NITRATE

### METHYL POLYSILOXANE

GS METHYL COMPOUNDS  
. METHYL POLYSILOXANE  
SILICON POLYMERS  
. SILICONES  
. . . METHYL POLYSILOXANE  
RT ∞ POLYMERS  
SILICON COMPOUNDS

### METHYLATION

GS CHEMICAL REACTIONS  
. METHYLATION  
RT ALKYLATION

### METHYLENE

GS ORGANIC COMPOUNDS  
. HYDROCARBONS  
. . . METHYLENE  
RT DYES  
STAINING

### METHYLENE BLUE

GS DYES  
. . . METHYLENE BLUE  
ORGANIC COMPOUNDS  
. CYCLIC COMPOUNDS  
. . . HETEROCYCLIC COMPOUNDS  
. . . AZINES  
. . . . METHYLENE BLUE  
PYRAZINES  
. AZINES  
. . . METHYLENE BLUE  
RT CHEMICAL ANALYSIS  
CHEMICAL INDICATORS  
∞ INDICATORS

### METHYLENE BLUE-(CONT.)

STAINING

### METHYLENE DIAMINE

GS AMINES  
. METHYLENE DIAMINE

### METHYLHYDRAZINE

GS HYDRAZINES  
. METHYLHYDRAZINE  
RT DIMETHYLHYDRAZINES

### METRAZOL

GS DRUGS  
. METRAZOL

### METRIC CONVERSION

USE METRICATION

### METRIC PHOTOGRAPHY

GS PHOTOGRAPHY  
. METRIC PHOTOGRAPHY

### METRIC SPACE

GS GEOMETRY  
. TOPOLOGY  
. . . METRIC SPACE  
RT BANACH SPACE  
BIMETRIC THEORIES

### METRIC SYSTEM

USE INTERNATIONAL SYSTEM OF UNITS

### METRICATION

UF METRIC CONVERSION  
RT ∞ CONVERSION  
INTERNATIONAL SYSTEM OF UNITS  
METROLOGY  
STANDARDIZATION  
UNITS OF MEASUREMENT

### METROLOGY

RT INTERNATIONAL SYSTEM OF UNITS  
∞ MEASUREMENT  
MEASURING INSTRUMENTS  
METRICATION  
STANDARDS  
UNITS OF MEASUREMENT

### METROPOLITAN AIRCRAFT

USE CV-440 AIRCRAFT

### METROPOLITAN AREAS

USE CITIES

### MEXICO

GS NATIONS  
. MEXICO  
RT COLORADO RIVER (NORTH AMERICA)  
GULF OF CALIFORNIA (MEXICO)  
GULF OF MEXICO  
IMPERIAL VALLEY (CA)  
LOWER CALIFORNIA (MEXICO)  
NORTH AMERICA  
RIO GRANDE (NORTH AMERICA)  
SAN ANDREAS FAULT  
SOUTHERN CALIFORNIA

### MGCO

USE MARS OBSERVER

### MH-262 AIRCRAFT

UF MAX HOLSTE MH-262 AIRCRAFT  
NORD 262 AIRCRAFT  
GS JET AIRCRAFT  
. TURBOPROP AIRCRAFT  
. . . MH-262 AIRCRAFT  
LIGHT AIRCRAFT  
. MH-262 AIRCRAFT  
MONOPLANES  
. MH-262 AIRCRAFT  
NORD AIRCRAFT  
. MH-262 AIRCRAFT  
TRANSPORT AIRCRAFT  
. MH-262 AIRCRAFT  
RT ∞ AIRCRAFT  
CARGO AIRCRAFT  
PASSENGER AIRCRAFT

### MICA

UF FLUOROMICA  
GS MINERALS  
. MICA  
. . . BIOTITE

### MICA-(CONT.)

. . . FLUOROPHLOGOPITE  
. . . MUSCOVITE  
RT IGNEOUS ROCKS  
VERMICULITE

### MICARTA

GS COMPOSITE MATERIALS  
. POLYMER MATRIX COMPOSITES  
. . . REINFORCED PLASTICS  
. . . . MICARTA  
PLASTICS  
. REINFORCED PLASTICS  
. . . MICARTA  
. SYNTHETIC RESINS  
. . . THERMOSETTING RESINS  
. . . . PHENOLIC RESINS  
. . . . . MICARTA  
RESINS  
. SYNTHETIC RESINS  
. . . THERMOSETTING RESINS  
. . . . PHENOLIC RESINS  
. . . . . MICARTA  
RT FABRICS  
FIBER COMPOSITES  
INSULATION  
∞ POLYMERS

### MICE

GS ANIMALS  
. VERTEBRATES  
. . . MAMMALS  
. . . . RODENTS  
. . . . . MICE  
. . . . . JERBOAS  
. . . . . POCKET MICE  
RT RATS

### MICHAEL REACTION

GS CHEMICAL REACTIONS  
. MICHAEL REACTION

### MICHAELIS THEORY

RT ∞ THEORIES

### MICHELL THEOREM

GS THEOREMS  
. MICHELL THEOREM  
RT STRESS ANALYSIS  
STRUCTURAL ANALYSIS

### MICHELSON INTERFEROMETERS

GS MEASURING INSTRUMENTS  
. INTERFEROMETERS  
. . . MICHELSON INTERFEROMETERS  
RT ASTROPHYSICS  
RADIO ASTRONOMY  
SPECTROMETERS

### MICHIGAN

GS NATIONS  
. UNITED STATES  
. . . MICHIGAN  
RT PONTIAC (MI)  
SAGINAW BAY (MI)

### MICROANALYSIS

GS CHEMICAL TESTS  
. CHEMICAL ANALYSIS  
. . . MICROANALYSIS  
RT ELECTRON MICROSCOPES  
ELECTRON MICROSCOPY  
ELECTROPHOTOMETRY  
MASS SPECTROMETERS  
∞ MATERIALS TESTS  
NEUTRON ACTIVATION ANALYSIS  
QUALITATIVE ANALYSIS  
QUANTITATIVE ANALYSIS  
SPECTROSCOPIC ANALYSIS  
X RAY ANALYSIS

### MICROBALANCES

UF MICROSCALES  
GS MEASURING INSTRUMENTS  
. INDICATING INSTRUMENTS  
. . . WEIGHT INDICATORS  
. . . . MICROBALANCES

### MICROBALLOONS

GS EXPANDABLE STRUCTURES  
. INFLATABLE STRUCTURES  
. . . BALLOONS  
. . . . MICROBALLOONS  
RT GLOBULES

## MICROBE

### MICROBALLOONS-(CONT.)

- LASERS
- SPHERES
- TARGETS

### MICROBE

- USE MICROORGANISMS

### MICROBEAMS

- GS BEAMS (RADIATION)
- . MICROBEAMS
- RT COLLIMATION
- CRYSTALLOGRAPHY
- X RAY ANALYSIS

### MICROBIOLOGY

- GS MICROBIOLOGY
- . BACTERIOLOGY
- RT ∞ BIOLOGY
- CULTURE TECHNIQUES
- GNOTOBIOTICS

### MICROBURSTS (METEOROLOGY)

- SN (EXCLUDES IONOSPHERIC RADIATION)
- MICROBURSTS
- GS METEOROLOGY
- . MICROMETEOROLOGY
- . . MICROBURSTS (METEOROLOGY)
- STORMS
- . STORMS (METEOROLOGY)
- . . MICROBURSTS (METEOROLOGY)
- RT FLIGHT HAZARDS
- WIND SHEAR

### MICROCALORIMETERS

- USE CALORIMETERS

### MICROCHANNEL PLATES

- UF MULTICHANNEL PLATES
- RT CHANNEL MULTIPLIERS
- INTEGRATED CIRCUITS
- MICROCHANNELS
- MICROWAVE EQUIPMENT
- PHOTOMULTIPLIER TUBES
- ∞ PLATES
- THIN FILMS

### MICROCHANNELS

- RT FREQUENCIES
- IMAGE CONVERTERS
- LIGHT AMPLIFIERS
- MICROCHANNEL PLATES
- MULTI-ANODE MICROCHANNEL ARRAYS
- NIGHT VISION
- OPTICAL EQUIPMENT
- PHOTOCATHODES
- ULTRAVIOLET RADIATION

### MICROCIRCUITS

- USE MICROELECTRONICS

### MICROCLIMATOLOGY

- GS CLIMATOLOGY
- . MICROCLIMATOLOGY
- RT AGROCLIMATOLOGY
- BIOMETEOROLOGY
- MICROMETEOROLOGY

### MICROCOMPUTERS

- GS DATA PROCESSING EQUIPMENT
- . COMPUTERS
- . . DIGITAL COMPUTERS
- . . . MICROCOMPUTERS
- . . . . PERSONAL COMPUTERS
- RT MICROPROCESSORS
- MINICOMPUTERS

### MICROCRACKS

- GS FRACTURES (MATERIALS)
- . CRACKS
- . . MICROCRACKS
- RT CRACK CLOSURE
- CRACK GEOMETRY
- CRACK INITIATION
- ELBER EQUATION
- SURFACE CRACKS

### MICROCRYSTALS

- GS CRYSTALS
- . MICROCRYSTALS
- RT CRYSTALLITES
- SPHERULITES

### MICROCYSTIS

- GS PLANTS (BOTANY)
- . ALGAE
- . . BLUE GREEN ALGAE
- . . . MICROCYSTIS
- RT POLLUTION

### MICRODENSITOMETERS

- GS MEASURING INSTRUMENTS
- . DENSITOMETERS
- . . MICRODENSITOMETERS
- . . OPTICAL MEASURING INSTRUMENTS
- . . . MICRODENSITOMETERS
- OPTICAL EQUIPMENT
- . OPTICAL MEASURING INSTRUMENTS
- . . MICRODENSITOMETERS
- RT GRAVIMETERS
- OPTICAL DENSITY
- OPTICAL MEASUREMENT
- PHOTOMETERS

### MICROELECTRONICS

- UF MICROCIRCUITS
- GS MICROELECTRONICS
- . LARGE SCALE INTEGRATION
- . MEDIUM SCALE INTEGRATION
- . . VERY LARGE SCALE INTEGRATION
- RT BEAM LEADS
- CIRCUITS
- ∞ ELECTRONICS
- ENCAPSULATED MICROCIRCUITS
- ION IMPLANTATION
- LASER MICROSCOPY
- MICROINSTRUMENTATION
- MICROMINIATURIZATION
- MICROMINIATURIZED ELECTRONIC DEVICES
- MICROMODULES
- MOLECULAR ELECTRONICS
- PHOTOLITHOGRAPHY
- PHOTOMASKS
- SINGLE EVENT UPSETS
- TRANSISTOR CIRCUITS
- WAFERS

### MICROFIBERS

- GS FIBERS
- . MICROFIBERS

### MICROFILMS

- GS PHOTOGRAPHIC FILM
- . MICROFILMS
- RT DATA RETRIEVAL
- DATA STORAGE
- MICROPHOTOGRAPHS
- READERS
- REPRODUCTION (COPYING)

### MICROGRAPHY

- USE PHOTOMICROGRAPHY

### MICROGRAVITY

- USE REDUCED GRAVITY

### ∞ MICROGRAVITY APPLICATIONS

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT BIOPROCESSING
- COMMERCE LAB
- ELECTROPHORESIS
- LOW GRAVITY MANUFACTURING
- SPACE COMMERCIALIZATION
- SPACE MANUFACTURING
- SPACE PROCESSING

### MICROHARDNESS

- UF MICROINDENTATION
- GS MECHANICAL PROPERTIES
- . HARDNESS
- . . MICROHARDNESS
- RT KNOOP HARDNESS
- ROCKWELL HARDNESS

### MICROINDENTATION

- USE MICROHARDNESS

### MICROINSTRUMENTATION

- RT MEASURING INSTRUMENTS
- MICROELECTRONICS
- MICROMINIATURIZATION

### MICROMANOMETERS

- USE MANOMETERS

### MICROMECHANICS

- RT COMPOSITE MATERIALS
- CRACK PROPAGATION
- FRACTURE MECHANICS
- MECHANICAL PROPERTIES
- MICROSTRUCTURE
- REINFORCING FIBERS
- STRESS CONCENTRATION

### MICROMETEORITES

- GS CELESTIAL BODIES
- . METEORITES
- . . MICROMETEORITES
- RT COSMIC DUST
- HYPERVELOCITY PROJECTILES
- METEORIODS
- MICROMETEORIODS
- TEKTITES
- ZODIACAL DUST

### MICROMETEOROID EXPLORER SATELLITES

- GS ARTIFICIAL SATELLITES
- . SCIENTIFIC SATELLITES
- . . EXPLORER SATELLITES
- . . . MICROMETEOROID EXPLORER SATELLITES

### MICROMETEORIODS

- UF METEORITIC DUST
- MICROMETEORS
- GS CELESTIAL BODIES
- . METEORIODS
- . . MICROMETEORIODS
- . . . METEOROID DUST CLOUDS
- . . . . ZODIACAL DUST
- RT COSMIC DUST
- EXPLORER SATELLITES
- INTERPLANETARY DUST
- METEOR TRAILS
- METEORITES
- MICROMETEORITES
- POYNTING-ROBERTSON EFFECT
- SPACE DEBRIS
- TERRESTRIAL DUST BELT
- ZODIACAL LIGHT

### MICROMETEOROLOGY

- GS METEOROLOGY
- . MICROMETEOROLOGY
- . . MICROBURSTS (METEOROLOGY)
- RT AGROMETEOROLOGY
- MESOMETEOROLOGY
- MICROCLIMATOLOGY
- TURBULENCE

### MICROMETEORS

- USE MICROMETEORIODS

### MICROMETERS

- GS MEASURING INSTRUMENTS
- . MICROMETERS
- RT DIMENSIONAL MEASUREMENT
- DISTANCE MEASURING EQUIPMENT

### MICROMILLIAMMETERS

- GS MEASURING INSTRUMENTS
- . AMMETERS
- . . MICROMILLIAMMETERS
- RT ELECTRIC CURRENT
- ELECTRICAL MEASUREMENT
- GALVANOMETERS

### MICROMINIATURIZATION

- GS MINIATURIZATION
- . MICROMINIATURIZATION
- RT CIRCUITS
- DTL INTEGRATED CIRCUITS
- INTEGRATED CIRCUITS
- LARGE SCALE INTEGRATION
- LINEAR INTEGRATED CIRCUITS
- MICROELECTRONICS
- MICROINSTRUMENTATION
- MICROMINIATURIZED ELECTRONIC DEVICES
- MINIATURE ELECTRONIC EQUIPMENT
- MOLECULAR ELECTRONICS
- SEMICONDUCTOR DEVICES
- SUBMINIATURIZATION
- THICK FILMS
- THIN FILMS
- TTL INTEGRATED CIRCUITS
- WAFERS

## MICROSTRUCTURE

### MICROMINIATURIZED ELECTRONIC DEVICES

- GS **MICROMINIATURIZED ELECTRONIC DEVICES**
- RT **MICROELECTRONICS**
- MINIATURE ELECTRONIC EQUIPMENT

### MICROMODULES

- GS **ELECTRONIC EQUIPMENT**
- . ELECTRONIC MODULES
- . **MICROMODULES**
- MICROMINIATURIZED ELECTRONIC DEVICES
- . **MICROMODULES**
- MODULES
- . ELECTRONIC MODULES
- . **MICROMODULES**
- RT **BEAM LEADS**
- CONTAINERS
- ELECTRONIC PACKAGING
- MICROELECTRONICS
- MICROPROCESSORS
- MINIATURE ELECTRONIC EQUIPMENT
- PHOTOLITHOGRAPHY

### MICROMOTORS

- SN (EXCLUDES ROCKET ENGINES)
- GS **MOTORS**
- . ELECTRIC MOTORS
- . **MICROMOTORS**

### MICROORGANISMS

- UF **MICROBE**
- GS **MICROORGANISMS**
- . BACTERIA
- . ACTINOMYCETES
- . ARCHAEBACTERIA
- . AZOTOBACTER
- . BACILLUS
- . STEAROTHERMOPHILUS
- . CLOSTRIDIUM
- . CLOSTRIDIUM BOTULINUM
- . ESCHERICHIA
- . HYDROGENOMONAS
- . KLEBSIELLA
- . NITROBACTER
- . PSEUDOMONAS
- . SALMONELLA
- . SARCINA
- . SERRATIA
- . STAPHYLOCOCCUS
- . STREPTOCOCCUS
- . STREPTOMYCETES
- . PROTOZOA
- . AMOEBA
- . PELOMYXA
- . FLAGELLATA
- . EUGLENA
- . TRYPANOSOME
- . PARAMECIA
- . ROTIFERA
- . VIRUSES
- . ADENOVIRUSES
- . BACTERIOPHAGES
- RT **AEROBES**
- ALGAE
- ANAEROBES
- ANIMALS
- ANTIBIOTICS
- GNOTOBIOTICS
- INVERTEBRATES
- MESOPHILES
- MICROPARTICLES
- MICROSPORES
- PLANTS (BOTANY)
- POLLUTION
- PSYCHROPHILES
- RED TIDE
- SAPROPHYTES
- SPORES
- VIRULENCE

### MICROPARTICLES

- GS **PARTICLES**
- . **MICROPARTICLES**
- RT **CONDENSATION NUCLEI**
- FERROFLUIDS
- MICROORGANISMS

### MICROPHONES

- GS **AUDIO EQUIPMENT**
- . **MICROPHONES**
- TRANSDUCERS
- . SOUND TRANSDUCERS

### MICROPHONES-(CONT.)

- . . ELECTROACOUSTIC TRANSDUCERS
- . . . **MICROPHONES**
- RT **HYDROPHONES**
- INTERPHONES
- MAGNETIC TRANSDUCERS
- MONAURAL SIGNALS
- TRANSMITTERS
- ULTRASONIC WAVE TRANSDUCERS

### MICROPHOTOGRAPHS

- GS **PHOTOGRAPHS**
- . **MICROPHOTOGRAPHS**
- RT **DATA STORAGE**
- MICROFILMS
- PHOTOGRAPHY
- PHOTOMASKS

### MICROPHOTOMETERS

- USE **PHOTOMETERS**

### MICROPLASMAS

- GS **PARTICLES**
- . CHARGED PARTICLES
- . . . ENERGETIC PARTICLES
- . . . PLASMAS (PHYSICS)
- . . . . **MICROPLASMAS**

### MICROPOLAR FLUIDS

- GS **INCOMPRESSIBLE FLUIDS**
- . **MICROPOLAR FLUIDS**
- RT **FLUID MECHANICS**
- FLUIDS
- MICROSTRUCTURE

### MICROPOROSITY

- GS **POROSITY**
- . **MICROPOROSITY**
- RT **MECHANICAL PROPERTIES**
- METALLOGRAPHY
- MICROSTRUCTURE

### MICROPROCESSORS

- GS **DATA PROCESSING EQUIPMENT**
- . **MICROPROCESSORS**
- . . INTEL 8080 MICROPROCESSOR
- RT **CENTRAL PROCESSING UNITS**
- COMPUTER DESIGN
- COMPUTER STORAGE DEVICES
- COMPUTER TECHNIQUES
- DATA PROCESSING
- DISTRIBUTED PROCESSING
- FIRMWARE
- INTEGRATED CIRCUITS
- LARGE SCALE INTEGRATION
- MICROCOMPUTERS
- MICROMODULES
- ONBOARD DATA PROCESSING

### MICROPROGRAMMING

- GS **SOFTWARE ENGINEERING**
- . COMPUTER PROGRAMMING
- . . **MICROPROGRAMMING**
- RT **FIRMWARE**
- PROGRAMMING

### MICROPULSATIONS

- GS **PULSES**
- . **MICROPULSATIONS**
- . . GEOMAGNETIC MICROPULSATIONS
- RT **VARIATIONS**

### MICROROCKET ENGINES

- GS **ENGINES**
- . **ROCKET ENGINES**
- . . **MICROROCKET ENGINES**
- . . . ORBIT MANEUVERING ENGINE
- . . . (SPACE SHUTTLE)
- RT **ELECTRIC ROCKET ENGINES**
- ELECTROSTATIC ENGINES
- MICROTHRUST
- VERNIER ENGINES

### MICROSCALES

- USE **MICROBALANCES**

### MICROSCOPES

- GS **MICROSCOPES**
- . ACOUSTIC MICROSCOPES
- . ELECTRON MICROSCOPES
- . ION MICROSCOPES
- . OPTICAL MICROSCOPES
- RT **BINOCULARS**
- EYEPIECES

### MICROSCOPES-(CONT.)

- METALLOGRAPHY
- MICROSCOPY
- OPTICAL EQUIPMENT
- OPTICAL MEASURING INSTRUMENTS
- PHOTOMICROGRAPHY
- ULTRAVIOLET MICROSCOPY

### MICROSCOPY

- GS **MICROSCOPY**
- . ELECTRON MICROSCOPY
- . LASER MICROSCOPY
- . PHOTOACOUSTIC MICROSCOPY
- . ULTRAVIOLET MICROSCOPY
- RT **MICROSCOPES**
- MICROTOMY
- PHASE CONTRAST
- PHOTOMICROGRAPHY
- SLIDES (MICROSCOPY)

### MICROSEISMS

- GS **ELASTIC WAVES**
- . SEISMIC WAVES
- . . **MICROSEISMS**
- RT **CRUSTAL FRACTURES**
- EARTHQUAKE DAMAGE
- EARTHQUAKES

### MICROSONICS

- GS **ACOUSTICS**
- . **MICROSONICS**
- RT **ELASTIC PROPERTIES**
- PIEZOELECTRIC CRYSTALS
- SOUND FIELDS
- SOUND WAVES
- SURFACE ACOUSTIC WAVE DEVICES
- SURFACE WAVES

### MICROSPORES

- GS **SPORES**
- . **MICROSPORES**
- RT **FUNGI**
- MICROORGANISMS
- PLANTS (BOTANY)
- PROTOZOA

### MICROSTRIP ANTENNAS

- GS **ANTENNAS**
- . **MICROSTRIP ANTENNAS**
- MICROSTRIP DEVICES
- . **MICROSTRIP ANTENNAS**
- RT **ANTENNA DESIGN**
- MICROSTRIP TRANSMISSION LINES
- MICROWAVE ANTENNAS
- WAVEGUIDE ANTENNAS

### MICROSTRIP DEVICES

- GS **MICROSTRIP DEVICES**
- . MICROSTRIP ANTENNAS
- . MICROSTRIP TRANSMISSION LINES
- RT **CIRCUITS**
- INTEGRATED CIRCUITS
- MICROWAVE CIRCUITS
- MICROWAVE EQUIPMENT

### MICROSTRIP TRANSMISSION LINES

- UF **FLAT COAXIAL TRANSMISSION LINES**
- PARALLEL STRIP LINES
- GS **MICROSTRIP DEVICES**
- . **MICROSTRIP TRANSMISSION LINES**
- TRANSMISSION LINES
- . STRIP TRANSMISSION LINES
- . . **MICROSTRIP TRANSMISSION LINES**
- RT **DIRECTIONAL COUPLERS**
- MICROSTRIP ANTENNAS
- MICROWAVE TRANSMISSION

### MICROSTRUCTURE

- GS **MICROSTRUCTURE**
- . METEORITIC MICROSTRUCTURES
- . WIDMANSTATTEN STRUCTURE
- RT **AGING (MATERIALS)**
- AGING (METALLURGY)
- AUSTENITE
- BAINITE
- BAUSCHINGER EFFECT
- CAST ALLOYS
- CASTING
- CASTINGS
- CEMENTITE
- CRYSTAL STRUCTURE
- CRYSTALLOGRAPHY
- FERRITES
- GRAIN SIZE
- HARDENING (MATERIALS)



## MICROTHRUST

### MICROSTRUCTURE-(CONT.)

- HEAT TREATMENT
- LAMELLA (METALLURGY)
- MARTENSITE
- METALLOGRAPHY
- MICROMECHANICS
- MICROPOLAR FLUIDS
- MICROPOROSITY
- ORDER-DISORDER TRANSFORMATIONS
- PEARLITE
- PHOTOMICROGRAPHY
- PRECIPITATES
- QUENCHING (COOLING)
- SHAPE MEMORY ALLOYS
- SILICON ALLOYS
- SPHERULITES
- ∞ STRUCTURES
- THERMOMECHANICAL TREATMENT
- VANADIUM ALLOYS
- WORK SOFTENING

### MICROTHRUST

- GS THRUST
  - .. LOW THRUST
  - .. **MICROTHRUST**
- RT JET THRUST
  - .. LOW THRUST PROPULSION
  - .. MICROROCKET ENGINES
  - .. ROCKET THRUST
  - .. VARIABLE THRUST

### MICROTOMY

- RT MEDICAL EQUIPMENT
- MICROSCOPY

### MICROTRONS

- GS PARTICLE ACCELERATORS
  - .. CYCLOTRONS
  - .. **MICROTRONS**
- RT BETATRONS
- SYNCHROTRONS

### MICROVISION LANDING AID

- GS DISPLAY DEVICES
  - .. **MICROVISION LANDING AID**
  - .. LANDING AIDS
  - .. **MICROVISION LANDING AID**

### MICROWAVE AMPLIFIERS

- GS AMPLIFIERS
  - .. **MICROWAVE AMPLIFIERS**
  - .. CROSSED FIELD AMPLIFIERS
  - .. CYCLOTRON RESONANCE DEVICES
  - .. PLANOTRONS
- MICROWAVE EQUIPMENT
  - .. **MICROWAVE AMPLIFIERS**
  - .. CROSSED FIELD AMPLIFIERS
  - .. CYCLOTRON RESONANCE DEVICES
  - .. PLANOTRONS
- RT INTERSTELLAR MASERS
- MASERS
- PARAMETRIC AMPLIFIERS
- TRANSFERRED ELECTRON DEVICES

### MICROWAVE ANTENNAS

- GS ANTENNAS
  - .. RADIO ANTENNAS
  - .. **MICROWAVE ANTENNAS**
  - .. HORN ANTENNAS
  - .. LENS ANTENNAS
  - .. SPACETENNAS
- MICROWAVE EQUIPMENT
  - .. **MICROWAVE ANTENNAS**
  - .. HORN ANTENNAS
  - .. LENS ANTENNAS
  - .. RECTENNAS
  - .. SPACETENNAS
- RADIO EQUIPMENT
  - .. RADIO ANTENNAS
  - .. **MICROWAVE ANTENNAS**
  - .. HORN ANTENNAS
  - .. LENS ANTENNAS
  - .. SPACETENNAS
- RT AIRCRAFT ANTENNAS
- ANTENNA ARRAYS
- BACKFIRE ANTENNAS
- DIRECTIONAL ANTENNAS
- GREGORIAN ANTENNAS
- HELICAL ANTENNAS
- MICROSTRIP ANTENNAS
- MISSILE ANTENNAS
- OMNIDIRECTIONAL ANTENNAS
- PARABOLIC ANTENNAS
- PARABOLIC REFLECTORS
- RADAR ANTENNAS

### MICROWAVE ANTENNAS-(CONT.)

- REFLECTOR ANTENNAS
- SLOT ANTENNAS
- WAVEGUIDE ANTENNAS

### MICROWAVE ATTENUATION

- GS ATTENUATION
  - .. **MICROWAVE ATTENUATION**
  - .. TRANSMISSION
  - .. ELECTROMAGNETIC WAVE
  - .. TRANSMISSION
  - .. RADIO TRANSMISSION
  - .. **MICROWAVE ATTENUATION**
  - .. SIGNAL TRANSMISSION
  - .. RADIO TRANSMISSION
  - .. **MICROWAVE ATTENUATION**
- RT WAVE PROPAGATION

### MICROWAVE CIRCUITS

- GS CIRCUITS
  - .. **MICROWAVE CIRCUITS**
- RT MICROSTRIP DEVICES

### MICROWAVE COUPLING

- GS COUPLING
  - .. **MICROWAVE COUPLING**
- RT ANTENNA COUPLERS
- COUPLING CIRCUITS
- CROSS COUPLING
- DIRECTIONAL ANTENNAS
- DIRECTIONAL COUPLERS
- OPTICAL COUPLING

### MICROWAVE EMISSION

- GS ELECTROMAGNETIC RADIATION
  - .. RADIO WAVES
  - .. SHORT WAVE RADIATION
  - .. MICROWAVES
  - .. **MICROWAVE EMISSION**
- EMISSION
  - .. **MICROWAVE EMISSION**
- RT COSMIC NOISE
- DIFFRACTION RADIATION
- EXTRATERRESTRIAL RADIATION
- EXTRATERRESTRIAL RADIO WAVES
- LINEAR POLARIZATION
- STELLAR RADIATION

### MICROWAVE EQUIPMENT

- GS **MICROWAVE EQUIPMENT**
  - .. GYRATORS
  - .. MICROWAVE FILTERS
  - .. MICROWAVE AMPLIFIERS
  - .. CROSSED FIELD AMPLIFIERS
  - .. CYCLOTRON RESONANCE DEVICES
  - .. PLANOTRONS
  - .. MICROWAVE ANTENNAS
  - .. HORN ANTENNAS
  - .. LENS ANTENNAS
  - .. RECTENNAS
  - .. SPACETENNAS
  - .. MICROWAVE INTERFEROMETERS
  - .. MICROWAVE OSCILLATORS
  - .. MAGNETRONS
  - .. NIGOTRONS
  - .. MICROWAVE PROBES
  - .. MICROWAVE PLASMA PROBES
  - .. MICROWAVE RADIOMETERS
  - .. MICROWAVE SCANNING BEAM
  - .. LANDING SYSTEM
  - .. MICROWAVE TUBES
  - .. CELESCOPES
  - .. CYCLOTRON RESONANCE DEVICES
  - .. KLYSTRONS
  - .. MAGNETRONS
  - .. NIGOTRONS
  - .. PLANOTRONS
  - .. TRAVELING WAVE TUBES
  - .. BACKWARD WAVE TUBES
  - .. HELITRONS
  - .. CARCINOTRONS
  - .. THYRATRONS
- RT GAS DISCHARGE TUBES
- MICROCHANNEL PLATES
- MICROSTRIP DEVICES

### MICROWAVE FILTERS

- GS ELECTROMAGNETIC WAVE FILTERS
  - .. ELECTRIC FILTERS
  - .. **MICROWAVE FILTERS**
- MICROWAVE EQUIPMENT
  - .. GYRATORS
  - .. **MICROWAVE FILTERS**
- RT BANDPASS FILTERS
- BANDSTOP FILTERS

### MICROWAVE FILTERS-(CONT.)

- DIGITAL FILTERS
- FIR FILTERS
- HIGH PASS FILTERS
- LOW PASS FILTERS
- RADAR FILTERS
- RADIO FILTERS
- RECTANGULAR WAVEGUIDES
- WAVEGUIDE FILTERS

### MICROWAVE FREQUENCIES

- SN (1 TO 100 GHZ)
- GS FREQUENCIES
  - .. RADIO FREQUENCIES
  - .. **MICROWAVE FREQUENCIES**
  - .. C BAND
  - .. EXTREMELY HIGH FREQUENCIES
  - .. P BAND
  - .. SUPERHIGH FREQUENCIES
- RT ACOUSTIC MICROSCOPES
- CENTIMETER WAVES
- MICROWAVES
- PASSIVE L-BAND RADIOMETERS
- PRAETERSONIC DEVICES

### MICROWAVE HOLOGRAPHY

- GS IMAGERY
  - .. HOLOGRAPHY
  - .. **MICROWAVE HOLOGRAPHY**
- PHOTOGRAPHY
  - .. HOLOGRAPHY
  - .. **MICROWAVE HOLOGRAPHY**
- RT IMAGING TECHNIQUES
- MICROWAVES
- WAVE FRONT RECONSTRUCTION

### MICROWAVE IMAGERY

- GS IMAGERY
  - .. **MICROWAVE IMAGERY**
- RT RADARSCOPES
- SYNTHETIC APERTURE RADAR
- X RAY IMAGERY

### MICROWAVE INTERFEROMETERS

- GS MEASURING INSTRUMENTS
  - .. INTERFEROMETERS
  - .. **MICROWAVE INTERFEROMETERS**
- MICROWAVE EQUIPMENT
  - .. **MICROWAVE INTERFEROMETERS**
- RT FABRY-PEROT INTERFEROMETERS
- PLASMA DIAGNOSTICS

### MICROWAVE LANDING SYSTEMS

- GS LANDING AIDS
  - .. **MICROWAVE LANDING SYSTEMS**
  - .. MICROWAVE SCANNING BEAM
  - .. LANDING SYSTEM
- RT AIR TRAFFIC CONTROL
- AIRCRAFT LANDING
- AIRCRAFT SAFETY
- APPROACH CONTROL
- AUTOMATED EN ROUTE ATC
- AUTOMATIC LANDING CONTROL
- ∞ SYSTEMS

### MICROWAVE OSCILLATORS

- GS MICROWAVE EQUIPMENT
  - .. **MICROWAVE OSCILLATORS**
  - .. MAGNETRONS
  - .. NIGOTRONS
- OSCILLATORS
  - .. **MICROWAVE OSCILLATORS**
  - .. MAGNETRONS
  - .. NIGOTRONS
- RT BACKWARD WAVE TUBES
- BARRITT DIODES
- DIFFRACTION RADIATION
- GAS DISCHARGE TUBES
- KLYSTRONS
- MICROWAVE TUBES
- TRANSFERRED ELECTRON DEVICES
- TRAVELING WAVE TUBES
- VACUUM TUBE OSCILLATORS
- VOLTAGE CONTROLLED OSCILLATORS

### MICROWAVE PHOTOGRAPHY

- GS IMAGERY
  - .. **MICROWAVE PHOTOGRAPHY**
- PHOTOGRAPHY
  - .. **MICROWAVE PHOTOGRAPHY**
- RT RADAR DATA
- RADAR PHOTOGRAPHY
- RADARSCOPES

**MICROWAVE PLASMA PROBES**

GS MEASURING INSTRUMENTS  
 . MICROWAVE PROBES  
 . . **MICROWAVE PLASMA PROBES**  
 MICROWAVE EQUIPMENT  
 . MICROWAVE PROBES  
 . . **MICROWAVE PLASMA PROBES**  
 RT ELECTRON PROBES  
 PLASMA FLUX MEASUREMENT  
 PLASMA GUIDES  
 PLASMAS (PHYSICS)  
 RESONANCE PROBES

**MICROWAVE PROBES**

GS MEASURING INSTRUMENTS  
 . **MICROWAVE PROBES**  
 . . MICROWAVE PLASMA PROBES  
 MICROWAVE EQUIPMENT  
 . **MICROWAVE PROBES**  
 . . MICROWAVE PLASMA PROBES  
 RT RADIO FREQUENCY IMPEDANCE  
 PROBES

**MICROWAVE RADIATION**

USE MICROWAVES

**MICROWAVE RADIOMETERS**

GS MEASURING INSTRUMENTS  
 . RADIATION MEASURING INSTRUMENTS  
 . . ACTINOMETERS  
 . . . RADIOMETERS  
 . . . . **MICROWAVE RADIOMETERS**  
 MICROWAVE EQUIPMENT  
 . **MICROWAVE RADIOMETERS**

**MICROWAVE REFLECTOMETERS**

GS MEASURING INSTRUMENTS  
 . OPTICAL MEASURING INSTRUMENTS  
 . . REFLECTOMETERS  
 . . . **MICROWAVE REFLECTOMETERS**  
 OPTICAL EQUIPMENT  
 . OPTICAL MEASURING INSTRUMENTS  
 . . REFLECTOMETERS  
 . . . **MICROWAVE REFLECTOMETERS**  
 RT KINEMATICS

**MICROWAVE RESONANCE**

GS RESONANCE  
 . **MICROWAVE RESONANCE**  
 RT CAVITY RESONATORS  
 HARMONIC ANALYSIS  
 NONRESONANCE

**MICROWAVE SCANNING BEAM LANDING SYSTEM**

UF MSBLS  
 GS LANDING AIDS  
 . MICROWAVE LANDING SYSTEMS  
 . . **MICROWAVE SCANNING BEAM LANDING SYSTEM**  
 MICROWAVE EQUIPMENT  
 . **MICROWAVE SCANNING BEAM LANDING SYSTEM**  
 NAVIGATION AIDS  
 . **MICROWAVE SCANNING BEAM LANDING SYSTEM**  
 RT APPROACH INDICATORS  
 SPACE SHUTTLE ORBITERS  
 ∞ SYSTEMS

**MICROWAVE SCATTERING**

GS SCATTERING  
 . WAVE SCATTERING  
 . . ELECTROMAGNETIC SCATTERING  
 . . . **MICROWAVE SCATTERING**  
 RT ATMOSPHERIC SCATTERING  
 SCATTEROMETERS

**MICROWAVE SENSORS**

GS MEASURING INSTRUMENTS  
 . **MICROWAVE SENSORS**  
 RT ∞ INSTRUMENTS  
 RADAR RECEIVERS  
 ∞ SENSORS  
 SIGNAL DETECTORS  
 SYNTHETIC APERTURE RADAR

**MICROWAVE SOUNDING**

GS SOUNDING  
 . **MICROWAVE SOUNDING**  
 RT IMAGERY  
 MICROWAVES  
 ROCKET SOUNDING

**MICROWAVE SPECTRA**

UF INTERSTELLAR MICROWAVE SPECTRA  
 GS SPECTRA  
 . RADIATION SPECTRA  
 . . ELECTROMAGNETIC SPECTRA  
 . . . RADIO SPECTRA  
 . . . . **MICROWAVE SPECTRA**  
 RT ABSORPTION SPECTRA  
 INFRARED SPECTRA  
 MOLECULAR ROTATION  
 MOLECULAR SPECTRA  
 MOLECULAR SPECTROSCOPY

**MICROWAVE SPECTROMETERS**

GS MEASURING INSTRUMENTS  
 . SPECTROMETERS  
 . . **MICROWAVE SPECTROMETERS**

**MICROWAVE SWITCHING**

GS SWITCHING  
 . **MICROWAVE SWITCHING**  
 RT FERROELECTRICITY  
 GYRATORS  
 PACKET SWITCHING  
 PHASE SHIFT  
 SWITCHING CIRCUITS  
 WAVEGUIDES

**MICROWAVE TRANSMISSION**

GS TRANSMISSION  
 . ELECTROMAGNETIC WAVE  
 TRANSMISSION  
 . . RADIO TRANSMISSION  
 . . . **MICROWAVE TRANSMISSION**  
 . SIGNAL TRANSMISSION  
 . . RADIO TRANSMISSION  
 . . . **MICROWAVE TRANSMISSION**  
 RT ACTS  
 CIRCULAR WAVEGUIDES  
 DOMESTIC SATELLITE COMMUNICATIONS  
 SYSTEMS  
 DOWNLINKING  
 FLEET SATELLITE COMMUNICATION  
 SYSTEM  
 FREQUENCY REUSE  
 MICROSTRIP TRANSMISSION LINES  
 SATELLITE SOLAR ENERGY  
 CONVERSION  
 SATELLITE SOLAR POWER STATIONS  
 SPACETENNAS  
 TELETYPEWRITER SYSTEMS  
 UPLINKING  
 WAVE PROPAGATION

**MICROWAVE TUBES**

GS ELECTRON TUBES  
 . VACUUM TUBES  
 . . **MICROWAVE TUBES**  
 . . . CELESCOPES  
 . . . CYCLOTRON RESONANCE DEVICES  
 . . . KLYSTRONS  
 . . . MAGNETRONS  
 . . . NIGOTRONS  
 . . . PLANOTRONS  
 . . . TRAVELING WAVE TUBES  
 . . . BACKWARD WAVE TUBES  
 . . . . HELITRONS  
 . . . . CARCINOTRONS  
 MICROWAVE EQUIPMENT  
 . **MICROWAVE TUBES**  
 . . CELESCOPES  
 . . CYCLOTRON RESONANCE DEVICES  
 . . KLYSTRONS  
 . . MAGNETRONS  
 . . NIGOTRONS  
 . . PLANOTRONS  
 . . TRAVELING WAVE TUBES  
 . . BACKWARD WAVE TUBES  
 . . . HELITRONS  
 . . . CARCINOTRONS  
 RT DIFFRACTION RADIATION  
 GAS DISCHARGE TUBES  
 MICROWAVE OSCILLATORS  
 OSCILLATORS  
 PHOTOMULTIPLIER TUBES  
 PHOTOTUBES  
 TRIODES  
 ∞ TUBES

**MICROWAVES**

UF MICROWAVE RADIATION  
 GS ELECTROMAGNETIC RADIATION  
 . RADIO WAVES  
 . . SHORT WAVE RADIATION  
 . . . **MICROWAVES**

**MICROWAVES-(CONT.)**

. . . . CENTIMETER WAVES  
 . . . . DECIMETER WAVES  
 . . . . MICROWAVE EMISSION  
 . . . . MILLIMETER WAVES  
 RT COSMIC NOISE  
 DIFFRACTION RADIATION  
 ELECTROMAGNETIC NOISE  
 EXTRATERRESTRIAL RADIO WAVES  
 INFRARED RADIATION  
 MICROWAVE FREQUENCIES  
 MICROWAVE HOLOGRAPHY  
 MICROWAVE SOUNDING  
 ∞ RADIATION  
 SATELLITE SOLAR ENERGY  
 CONVERSION  
 SATELLITE SOLAR POWER STATIONS  
 SCATTEROMETERS  
 SUBMILLIMETER WAVES  
 WHISTLERS

**MICROWEIGHING**

USE WEIGHT MEASUREMENT

**MICROYIELD STRENGTH**

GS MECHANICAL PROPERTIES  
 . YIELD STRENGTH  
 . . **MICROYIELD STRENGTH**  
 RT ELASTIC PROPERTIES  
 ∞ STRENGTH  
 STRESSES  
 YIELD POINT

**MICTURITION**

USE URINATION

**MIDAIR COLLISIONS**

GS COLLISIONS  
 . **MIDAIR COLLISIONS**  
 . . BIRD-AIRCRAFT COLLISIONS  
 RT AIR TRAFFIC CONTROL  
 AIRCRAFT ACCIDENTS  
 AIRCRAFT HAZARDS  
 AIRCRAFT SAFETY  
 BEACON COLLISION AVOIDANCE  
 SYSTEM  
 COLLISION AVOIDANCE  
 CRASHES  
 FLIGHT HAZARDS  
 FLIGHT SAFETY  
 PILOT ERROR  
 THREAT EVALUATION

**MIDALTITUDE**

GS ALTITUDE  
 . **MIDALTITUDE**  
 RT FLIGHT ALTITUDE  
 HIGH ALTITUDE  
 LOW ALTITUDE

**MIDAS SATELLITES**

GS ARTIFICIAL SATELLITES  
 . **MIDAS SATELLITES**  
 . . MIDAS 2 SATELLITE  
 . . MIDAS 3 SATELLITE  
 . . MIDAS 4 SATELLITE  
 . . MIDAS 5 SATELLITE  
 . . MIDAS 6 SATELLITE  
 . . MIDAS 7 SATELLITE  
 MILITARY SPACECRAFT  
 . RECONNAISSANCE SPACECRAFT  
 . . **MIDAS SATELLITES**  
 . . . MIDAS 2 SATELLITE  
 . . . MIDAS 3 SATELLITE  
 . . . MIDAS 4 SATELLITE  
 . . . MIDAS 5 SATELLITE  
 . . . MIDAS 6 SATELLITE  
 . . . MIDAS 7 SATELLITE  
 RT ATLAS AGENA B LAUNCH VEHICLE

**MIDAS 2 SATELLITE**

GS ARTIFICIAL SATELLITES  
 . MIDAS SATELLITES  
 . . **MIDAS 2 SATELLITE**  
 MILITARY SPACECRAFT  
 . RECONNAISSANCE SPACECRAFT  
 . . MIDAS SATELLITES  
 . . . **MIDAS 2 SATELLITE**

**MIDAS 3 SATELLITE**

GS ARTIFICIAL SATELLITES  
 . MIDAS SATELLITES  
 . . **MIDAS 3 SATELLITE**  
 MILITARY SPACECRAFT  
 . RECONNAISSANCE SPACECRAFT

## MIDAS 4 SATELLITE

### MIDAS 3 SATELLITE-(CONT.)

- .. MIDAS SATELLITES
- ... MIDAS 3 SATELLITE

### MIDAS 4 SATELLITE

- GS ARTIFICIAL SATELLITES
  - .. MIDAS SATELLITES
  - ... MIDAS 4 SATELLITE
- MILITARY SPACECRAFT
  - .. RECONNAISSANCE SPACECRAFT
  - ... MIDAS SATELLITES
  - ... MIDAS 4 SATELLITE

### MIDAS 5 SATELLITE

- GS ARTIFICIAL SATELLITES
  - .. MIDAS SATELLITES
  - ... MIDAS 5 SATELLITE
- MILITARY SPACECRAFT
  - .. RECONNAISSANCE SPACECRAFT
  - ... MIDAS SATELLITES
  - ... MIDAS 5 SATELLITE

### MIDAS 6 SATELLITE

- GS ARTIFICIAL SATELLITES
  - .. MIDAS SATELLITES
  - ... MIDAS 6 SATELLITE
- MILITARY SPACECRAFT
  - .. RECONNAISSANCE SPACECRAFT
  - ... MIDAS SATELLITES
  - ... MIDAS 6 SATELLITE

### MIDAS 7 SATELLITE

- GS ARTIFICIAL SATELLITES
  - .. MIDAS SATELLITES
  - ... MIDAS 7 SATELLITE
- MILITARY SPACECRAFT
  - .. RECONNAISSANCE SPACECRAFT
  - ... MIDAS SATELLITES
  - ... MIDAS 7 SATELLITE

### MIDCOURSE GUIDANCE

- GS GUIDANCE (MOTION)
  - .. MIDCOURSE GUIDANCE
- RT COMMAND GUIDANCE
  - .. INERTIAL GUIDANCE
  - .. INJECTION GUIDANCE
  - .. RENDEZVOUS GUIDANCE
  - .. SPACECRAFT GUIDANCE
  - .. TERMINAL GUIDANCE
  - .. TRANSEARTH INJECTION
  - .. TRANSUNAR INJECTION

### MIDCOURSE TRAJECTORIES

- GS TRAJECTORIES
  - .. MIDCOURSE TRAJECTORIES
- RT ASCENT TRAJECTORIES
  - .. BALLISTIC TRAJECTORIES
  - .. COASTING FLIGHT
  - .. DESCENT TRAJECTORIES
  - .. PARABOLIC FLIGHT

### MIDDLE ATMOSPHERE

- GS EARTH ATMOSPHERE
  - .. MIDDLE ATMOSPHERE
  - ... MESOSPHERE
  - ... MESOPAUSE
  - ... STRATOSPHERE
  - ... OZONOSPHERE
  - ... STRATOPAUSE
- RT AIR
  - .. AIR POLLUTION
- ∞ ATMOSPHERES
  - .. ATMOSPHERIC CHEMISTRY
  - .. ATMOSPHERIC CIRCULATION
  - .. ATMOSPHERIC COMPOSITION
  - .. CHEMOSPHERE
  - .. CLIMATOLOGY
  - .. EQUATORIAL ATMOSPHERE
  - .. FREE ATMOSPHERE
  - .. HETEROSPHERE
  - .. HOMOSPHERE
  - .. LOWER ATMOSPHERE
  - .. MIDLATITUDE ATMOSPHERE
  - .. TROPOPAUSE
  - .. UPPER ATMOSPHERE
  - .. ZONAL FLOW (METEOROLOGY)

### MIDDLE EAR

- GS ANATOMY
  - .. SENSE ORGANS
  - .. EAR
  - ... MIDDLE EAR
- RT SEMICIRCULAR CANALS

### MIDDLE EAR PRESSURE

- GS PRESSURE
  - .. MIDDLE EAR PRESSURE
- RT EAR PRESSURE TEST
  - .. EARDRUMS

### MIDLATITUDE ATMOSPHERE

- GS EARTH ATMOSPHERE
  - .. MIDLATITUDE ATMOSPHERE
  - ... ENVIRONMENTS
  - ... MIDLATITUDE ATMOSPHERE
- RT EARTH IONOSPHERE
  - .. MIDDLE ATMOSPHERE
  - .. SPORADIC E LAYER

### MIDLATITUDES

- USE TEMPERATE REGIONS

### MIE SCATTERING

- UF MIE THEORY
- GS SCATTERING
  - .. WAVE SCATTERING
  - .. ELECTROMAGNETIC SCATTERING
  - ... MIE SCATTERING
  - ... RAYLEIGH SCATTERING

### MIE THEORY

- USE MIE SCATTERING

### MIG AIRCRAFT

- GS ATTACK AIRCRAFT
  - .. FIGHTER AIRCRAFT
  - ... MIG AIRCRAFT
  - ... SINGLE ENGINE AIRCRAFT
  - .. MIG AIRCRAFT
  - .. SUPERSONIC AIRCRAFT
  - ... MIG AIRCRAFT
- RT ∞ AIRCRAFT

### MIGRATION

- RT BEHAVIOR
  - .. PHENOLOGY
  - .. WATERFOWL

### MIL AIRCRAFT

- RT ∞ AIRCRAFT

### MILANKOVITCH THEORY

- USE CLIMATOLOGY

### MILIARIA

- GS DISEASES
  - .. MILIARIA
- RT LESIONS
  - .. SWEAT

### MILITARY AIR FACILITIES

- UF AIRCRAFT BASES
- RT AIR TRAFFIC CONTROL
  - ∞ AIRCRAFT
  - ∞ AIRCRAFT CARRIERS
  - ∞ AIRPORTS
  - ∞ FACILITIES
  - ∞ FIELDS
  - ∞ HANGARS
  - ∞ HELIPORTS
  - ∞ LANDING AIDS
  - ∞ LANDING MATS
  - ∞ NAVIGATION AIDS
  - ∞ STATIONS

### ∞ MILITARY AIRCRAFT

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- UF BOEING MILITARY AIRCRAFT
  - .. CESSNA MILITARY AIRCRAFT
  - .. CHANCE-VOUGHT MILITARY AIRCRAFT
  - .. CONVAIR MILITARY AIRCRAFT
  - .. CURTISS-WRIGHT MILITARY AIRCRAFT
  - .. DOUGLAS MILITARY AIRCRAFT
  - .. FAIRCHILD MILITARY AIRCRAFT
  - .. GENERAL DYNAMICS MILITARY AIRCRAFT
  - .. HILLER MILITARY AIRCRAFT
  - .. HUGHES MILITARY AIRCRAFT
  - .. REPUBLIC MILITARY AIRCRAFT
- RT A-37 AIRCRAFT
  - .. AH-1G HELICOPTER
  - .. AH-63 HELICOPTER
  - .. AH-64 HELICOPTER
- ∞ AIRCRAFT
  - .. AIRCRAFT CARRIERS
  - .. AIRCRAFT SURVIVABILITY

### MILITARY AIRCRAFT-(CONT.)

- AIRSHIPS
- ALPHA JET AIRCRAFT
- ANTISUBMARINE WARFARE AIRCRAFT
- ARMED FORCES
- ARMED FORCES (FOREIGN)
- ARMED FORCES (UNITED STATES)
- ATTACK AIRCRAFT
- ATTACKING (ASSAULTING)
- AWACS AIRCRAFT
- B-1 AIRCRAFT
- BOMBER AIRCRAFT
- C-1A AIRCRAFT
- CARGO AIRCRAFT
- CH-62 HELICOPTER
- CL-600 CHALLENGER AIRCRAFT
- DRONE AIRCRAFT
- DRONE VEHICLES
- E-2 AIRCRAFT
- E-3A AIRCRAFT
- E-4A AIRCRAFT
- FIGHTER AIRCRAFT
- FIREBEE 2 TARGET DRONE AIRCRAFT
- FV-12A AIRCRAFT
- GLIDERS
- GROUND EFFECT MACHINES
- H-60 HELICOPTER
- HARRIER AIRCRAFT
- HELICOPTERS
- JAGUAR AIRCRAFT
- JET AIRCRAFT
- LIGHT AIRCRAFT
- ∞ MILITARY AVIATION
- MILITARY HELICOPTERS
- MRCA AIRCRAFT
- NUCLEAR PROPELLED AIRCRAFT
- OBSERVATION AIRCRAFT
- PANAVIA MILITARY AIRCRAFT
- PASSENGER AIRCRAFT
- PILOTLESS AIRCRAFT
- RECONNAISSANCE AIRCRAFT
- RESEARCH AIRCRAFT
- ROTARY WING AIRCRAFT
- S-3 AIRCRAFT
- SHORT TAKEOFF AIRCRAFT
- SUBMERSIBLE AIRCRAFT
- TAILLESS AIRCRAFT
- TANKER AIRCRAFT
- TARGET DRONE AIRCRAFT
- TERRAIN FOLLOWING AIRCRAFT
- TRAINING AIRCRAFT
- TRANSPORT AIRCRAFT
- UTILITY AIRCRAFT
- V/STOL AIRCRAFT
- VERTICAL TAKEOFF AIRCRAFT
- WEAPON SYSTEMS
- YC-14 AIRCRAFT
- YF-12 AIRCRAFT
- YF-16 AIRCRAFT

### ∞ MILITARY AVIATION

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT ∞ AERONAUTICS
  - .. AIR LAW
  - .. ARMED FORCES
  - .. AVIATION METEOROLOGY
  - .. BOMBER AIRCRAFT
  - .. FIGHTER AIRCRAFT
  - ∞ MILITARY AIRCRAFT
  - .. RECONNAISSANCE AIRCRAFT

### MILITARY COMPACT REACTORS

- UF MCR REACTORS
- GS NUCLEAR REACTORS
  - .. LIQUID COOLED REACTORS
  - .. LIQUID METAL COOLED REACTORS
  - ... MILITARY COMPACT REACTORS
  - .. NUCLEAR RESEARCH AND TEST REACTORS
  - ... MILITARY COMPACT REACTORS

### MILITARY HELICOPTERS

- GS V/STOL AIRCRAFT
  - .. ROTARY WING AIRCRAFT
  - .. HELICOPTERS
  - ... MILITARY HELICOPTERS
  - ... AH-1G HELICOPTER
  - ... AH-64 HELICOPTER
  - ... CH-3 HELICOPTER
  - ... CH-34 HELICOPTER
  - ... CH-46 HELICOPTER
  - ... CH-47 HELICOPTER
  - ... CH-54 HELICOPTER

**MILITARY HELICOPTERS-(CONT.)**

. . . . H-19 HELICOPTER  
 . . . . H-43 HELICOPTER  
 . . . . H-53 HELICOPTER  
 . . . . H-56 HELICOPTER  
 . . . . H-60 HELICOPTER  
 . . . . HEAVY LIFT HELICOPTERS  
 . . . . CH-62 HELICOPTER  
 . . . . HH-43 HELICOPTER  
 . . . . OH-4 HELICOPTER  
 . . . . OH-5 HELICOPTER  
 . . . . OH-6 HELICOPTER  
 . . . . OH-13 HELICOPTER  
 . . . . OH-23 HELICOPTER  
 . . . . OH-58 HELICOPTER  
 . . . . QH-50 HELICOPTER  
 . . . . S-58 HELICOPTER  
 . . . . S-61 HELICOPTER  
 . . . . SA-330 HELICOPTER  
 . . . . UH-1 HELICOPTER  
 . . . . UH-2 HELICOPTER  
 . . . . UH-34 HELICOPTER  
 . . . . UH-60A HELICOPTER  
 . . . . UH-61A HELICOPTER  
 RT ∞ AIRCRAFT  
 . . . . ATTACK AIRCRAFT  
 ∞ MILITARY AIRCRAFT  
 . . . . RECONNAISSANCE AIRCRAFT

**MILITARY OPERATIONS**

GS **MILITARY OPERATIONS**  
 . . . . COMBAT  
 . . . . ELECTRONIC WARFARE  
 RT DEPLOYMENT  
 . . . . TACTICS  
 . . . . TANKS (COMBAT VEHICLES)

**MILITARY PSYCHIATRY**

USE MILITARY PSYCHOLOGY

**MILITARY PSYCHOLOGY**

UF MILITARY PSYCHIATRY  
 GS PSYCHOLOGY  
 . . . . **MILITARY PSYCHOLOGY**  
 RT AVIATION PSYCHOLOGY  
 . . . . PSYCHIATRY  
 . . . . PSYCHOLOGICAL EFFECTS  
 . . . . PSYCHOLOGICAL TESTS  
 . . . . PSYCHOMETRICS  
 . . . . SPACE PSYCHOLOGY

**MILITARY SPACECRAFT**

GS **MILITARY SPACECRAFT**  
 . . . . DMSP SATELLITES  
 . . . . RECONNAISSANCE SPACECRAFT  
 . . . . INSPECTOR SATELLITE  
 . . . . MIDAS SATELLITES  
 . . . . MIDAS 2 SATELLITE  
 . . . . MIDAS 3 SATELLITE  
 . . . . MIDAS 4 SATELLITE  
 . . . . MIDAS 5 SATELLITE  
 . . . . MIDAS 6 SATELLITE  
 . . . . MIDAS 7 SATELLITE  
 . . . . PHOTO RECONNAISSANCE SPACECRAFT  
 . . . . SAMOS  
 . . . . VELA SATELLITES  
 RT AEROSPACE PLANES  
 . . . . ARMED FORCES  
 . . . . ARTIFICIAL SATELLITES  
 . . . . COLUMBUS SPACE STATION  
 . . . . EVASIVE SATELLITES  
 . . . . MANNED SPACECRAFT  
 . . . . METEOROLOGICAL SATELLITES  
 ∞ MILITARY VEHICLES  
 . . . . NAVIGATION SATELLITES  
 . . . . RECOVERABLE SPACECRAFT  
 . . . . RENDEZVOUS SPACECRAFT  
 . . . . SATELLITE NETWORKS  
 . . . . SPACE STATIONS  
 . . . . SPACE SURVEILLANCE (SPACEBORNE)  
 ∞ SPACECRAFT  
 . . . . SYNCHRONOUS SATELLITES  
 . . . . UNMANNED SPACECRAFT  
 . . . . WEAPON SYSTEMS

**MILITARY TECHNOLOGY**

GS TECHNOLOGIES  
 . . . . **MILITARY TECHNOLOGY**  
 RT ANTIMISSILE DEFENSE  
 . . . . ANTIRADIATION MISSILES  
 . . . . ANTISUBMARINE WARFARE  
 . . . . ARMED FORCES (FOREIGN)  
 . . . . ARMED FORCES (UNITED STATES)

**MILITARY TECHNOLOGY-(CONT.)**

ARMY-NAVY INSTRUMENTATION PROGRAM  
 AWACS AIRCRAFT  
 BALLISTIC MISSILE EARLY WARNING SYSTEM  
 DEFENSE COMMUNICATIONS SYSTEM (DCS)  
 DEFENSE INDUSTRY  
 DEFENSE PROGRAM  
 DEPLOYMENT  
 FLEET SATELLITE COMMUNICATION SYSTEM  
 INTERSERVICE DATA EXCHANGE PROGRAM  
 LASER WEAPONS  
 LOGISTICS OVER THE SHORE (LOTS) CARRIER  
 MISSILE DEFENSE  
 OPTICAL COUNTERMEASURES  
 RADAR HOMING MISSILES  
 SAFEGUARD SYSTEM  
 TACTICS  
 WEAPONS  
 WEAPONS DELIVERY  
 WEAPONS INDUSTRY

**MILITARY VEHICLES**

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT AEROQUATIC VEHICLES  
 . . . . AIRCRAFT CARRIERS  
 . . . . AMBULANCES  
 . . . . AMPHIBIOUS VEHICLES  
 . . . . ARMED FORCES  
 . . . . ARMED FORCES (FOREIGN)  
 . . . . ARMED FORCES (UNITED STATES)  
 . . . . AUTOMOBILES  
 . . . . BOATS  
 . . . . MILITARY SPACECRAFT  
 . . . . RECOVERY VEHICLES  
 . . . . RESEARCH VEHICLES  
 . . . . SHIPS  
 . . . . SUBMARINES  
 . . . . TANKS (COMBAT VEHICLES)  
 . . . . TRUCKS  
 . . . . UNDERWATER VEHICLES  
 ∞ VEHICLES  
 . . . . WATER VEHICLES

**MILK**

RT BEVERAGES  
 ∞ FOOD

**MILKY WAY GALAXY**

GS CELESTIAL BODIES  
 . . . . GALAXIES  
 . . . . SPIRAL GALAXIES  
 . . . . **MILKY WAY GALAXY**  
 RT ORION NEBULA  
 . . . . RADIO SOURCES (ASTRONOMY)  
 . . . . SOLAR NEIGHBORHOOD  
 . . . . STARS

**MILLET**

GS FARM CROPS  
 . . . . GRAINS (FOOD)  
 . . . . **MILLET**  
 . . . . PLANTS (BOTANY)  
 . . . . **MILLET**  
 RT EARTH RESOURCES  
 . . . . FLOUR (FOOD)  
 ∞ FOOD  
 . . . . GRASSES

**MILLIMETER WAVES**

GS ELECTROMAGNETIC RADIATION  
 . . . . RADIO WAVES  
 . . . . SHORT WAVE RADIATION  
 . . . . MICROWAVES  
 . . . . **MILLIMETER WAVES**  
 RT BEAM PLASMA AMPLIFIERS  
 . . . . C BAND  
 . . . . CN EMISSION  
 . . . . CYCLOTRON RESONANCE DEVICES  
 . . . . DECIMETER WAVES  
 . . . . ELECTROMAGNETIC NOISE  
 . . . . EXTRATERRESTRIAL RADIO WAVES  
 . . . . EXTREMELY HIGH FREQUENCIES  
 . . . . FREQUENCIES  
 . . . . SOLAR RADIO EMISSION  
 . . . . SUBMILLIMETER WAVES  
 . . . . WAVELENGTHS

**MILLING**

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT COMMINATION  
 . . . . COMPOUNDING  
 . . . . MILLING (MACHINING)

**MILLING (MACHINING)**

GS CUTTING  
 . . . . **MILLING (MACHINING)**  
 . . . . MACHINING  
 . . . . **MILLING (MACHINING)**  
 RT CHEMICAL MACHINING  
 . . . . GROOVING  
 . . . . METAL CUTTING  
 . . . . MILLING MACHINES  
 . . . . PLANING

**MILLING (MIXING)**

USE COMPOUNDING

**MILLING MACHINES**

GS TOOLS  
 . . . . MACHINE TOOLS  
 . . . . **MILLING MACHINES**  
 RT GRINDING MACHINES  
 ∞ MACHINERY  
 . . . . SHAPERS

**MILLIVOLTMETERS**

GS MEASURING INSTRUMENTS  
 . . . . VOLTMETERS  
 . . . . **MILLIVOLTMETERS**  
 RT GALVANOMETERS

**MILLS RATIO**

GS RATIOS  
 . . . . **MILLS RATIO**  
 RT FAILURE  
 . . . . FAILURE ANALYSIS  
 . . . . LIFE (DURABILITY)  
 . . . . MORTALITY  
 . . . . PROBABILITY DENSITY FUNCTIONS  
 . . . . STATISTICAL ANALYSIS

**MILNE METHOD**

GS ANALYSIS (MATHEMATICS)  
 . . . . NUMERICAL ANALYSIS  
 . . . . APPROXIMATION  
 . . . . **MILNE METHOD**  
 RT DIFFERENTIAL EQUATIONS  
 ∞ METHODOLOGY

**MILNE-THOMSON METHOD**

RT INCOMPRESSIBLE FLOW  
 ∞ METHODOLOGY  
 . . . . NAVIER-STOKES EQUATION  
 . . . . VISCOUS FLOW

**MIM (SEMICONDUCTORS)**

UF METAL-INSULATOR-METAL SEMICONDUCTORS  
 GS ELECTRONIC EQUIPMENT  
 . . . . SOLID STATE DEVICES  
 . . . . SEMICONDUCTOR DEVICES  
 . . . . **MIM (SEMICONDUCTORS)**  
 . . . . SEMICONDUCTORS (MATERIALS)  
 . . . . **MIM (SEMICONDUCTORS)**  
 RT SIS (SEMICONDUCTORS)

**MIM DIODES**

UF METAL-INSULATOR-METAL DIODES  
 GS ELECTRONIC EQUIPMENT  
 . . . . SOLID STATE DEVICES  
 . . . . SEMICONDUCTOR DEVICES  
 . . . . JUNCTION DIODES  
 . . . . **MIM DIODES**  
 RT ELECTRON TUNNELING  
 . . . . MSM (SEMICONDUCTORS)  
 . . . . NEGATIVE RESISTANCE DEVICES  
 . . . . SEMICONDUCTOR DIODES  
 . . . . TUNNEL DIODES

**MIMAS**

GS CELESTIAL BODIES  
 . . . . NATURAL SATELLITES  
 . . . . ICY SATELLITES  
 . . . . **MIMAS**  
 . . . . SATURN SATELLITES  
 . . . . **MIMAS**  
 RT SATURN (PLANET)

## MIMD (COMPUTERS)

### MIMD (COMPUTERS)

- UF MULTIPLE INSTRUCTION MULTIPLE DATA STREAM
- GS DATA PROCESSING EQUIPMENT
  - . COMPUTERS
  - . . . DIGITAL COMPUTERS
  - . . . . PARALLEL COMPUTERS
  - . . . . . **MIMD (COMPUTERS)**
- RT ARCHITECTURE (COMPUTERS)
  - COMPUTER DESIGN
  - COMPUTER PROGRAMMING
  - CONCURRENT PROCESSING
  - INTERPROCESSOR COMMUNICATION
  - OPERATING SYSTEMS (COMPUTERS)
  - PARALLEL PROCESSING (COMPUTERS)
  - SIMD (COMPUTERS)

### MINE DETECTORS

- GS WARNING SYSTEMS
  - . **MINE DETECTORS**
- RT ∞ DETECTORS
  - WARNING

### MINER RULE

- USE PALMGREN-MINER RULE

### MINERAL DEPOSITS

- RT CONTACTS (GEOLOGY)
  - DREDGING
  - EARTH RESOURCES
  - EXCAVATION
  - GEOLOGY
  - MINERALOGY
  - MINERALS
  - MINES (EXCAVATIONS)
  - MINING
  - RESERVES
  - STRIP MINING
  - UNDERWATER RESOURCES

### MINERAL EXPLORATION

- GS EXPLORATION
  - . **MINERAL EXPLORATION**
- RT ANTHRACITE
  - EXCAVATION
  - MINERALS
  - MINES (EXCAVATIONS)
  - MINING

### MINERAL METABOLISM

- GS METABOLISM
  - . **MINERAL METABOLISM**
- RT BODY FLUIDS
  - CALORIC REQUIREMENTS
  - ENDOCRINE SYSTEMS
  - SECRECTIONS

### MINERAL OILS

- GS OILS
  - . **MINERAL OILS**
- RT LUBRICATING OILS

### MINERALOGY

- RT CHONDRULE
  - CRYSTALLOGRAPHY
  - GEOCHEMISTRY
  - GEOLOGY
  - MINERAL DEPOSITS
  - MINERALS
  - PETROLOGY
  - ∞ PHYSICAL SCIENCES

### MINERALS

- UF APATITES
  - ORES
- GS **MINERALS**
  - . AKERMANITE
  - . AMPHIBOLES
  - . ANATASE
  - . ARAGONITE
  - . ASBESTOS
  - . BARITE
  - . BASTNASITE
  - . BERYL
  - . BLOEDITE
  - . BRUCITE
  - . CALCITE
  - . CHROMITES
  - . COHENITE
  - . CORDIERITE
  - . CRYOLITE
  - . DAWSONITE
  - . DOLOMITE (MINERAL)
  - . EUXENITE
  - . FAYALITE

## MINERALS-(CONT.)

- . FELDSPARS
- . FLUORITE
- . FLUORSPAR
- . GARNETS
- . . YTTRIUM-ALUMINUM GARNET
- . . YTTRIUM-IRON GARNET
- . GEHLENITE
- . GRAPHITE
- . . PYROLYTIC GRAPHITE
- . GYPSUM
- . HEXAHEDRITE
- . ILLITE
- . ILMENITE
- . IRON ORES
- . . HEMATITE
- . . KAMACITE
- . KAOLINITE
- . KREEP
- . LIMONITE
- . MAGNETITE
- . MERWINITE
- . MICA
- . . BIOTITE
- . . FLUOROPHLOGOPITE
- . . MUSCOVITE
- . . MONTICELLITE
- . . MONTMORILLONITE
- . NEPHELINE
- . NEPHELINE
- . OLIVINE
- . . FORSTERITE
- . . PEROVSKITES
- . PROUSTITE
- . PYRITES
- . PYROPHYLLITE
- . PYROXENES
- . . ENSTATITE
- . . PYRRHOTITE
- . . TROILITE
- . QUARTZ
- . . COESITE
- . . STISHOVITE
- . . SCHEELITE
- . . SCHREIBERSITE
- . . SERPENTINE
- . . SIDERITES
- . . SPINEL
- . . SPODUMENE
- . . TALC
- . . TOURMALINE
- . . VERMICULITE
- . . WURTZITE
- . . ZINCBLENDE
- RT ALUMINUM SILICATES
  - ANDESITE
  - BAUXITE
  - BENEFICIATION
  - BIOGEOCHEMISTRY
  - BONE MINERAL CONTENT
  - BOREHOLES
  - CALCIUM SILICATES
  - CRYSTALLITES
  - DIORITE
  - DUNITE
  - EARTH RESOURCES
  - FELSITE
  - FLUOROSILICATES
  - GEOLOGY
  - IGNEOUS ROCKS
  - IMPACT MELTS
  - LAVA
  - LIMESTONE
  - LUNAR SOIL
  - MINERAL DEPOSITS
  - MINERAL EXPLORATION
  - MINERALOGY
  - MONAZITE SANDS
  - MULLITES
  - ∞ NUTRIENTS
  - OBSIDIAN
  - POTASSIUM SILICATES
  - ROCKS
  - RUTILE
  - SHALES
  - SILICATES
  - SODIUM SILICATES
  - SOILS
  - UNDERGROUND ACOUSTICS
  - ZEOLITES

### ∞ MINES

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT MINES (EXCAVATIONS)

## MINES-(CONT.)

### MINES (ORDNANCE)

### MINES (EXCAVATIONS)

- UF QUARRIES
- RT CORE SAMPLING
  - DRAINAGE
  - EXPLOITATION
  - EXPLORATION
  - MATERIALS HANDLING
  - MINERAL DEPOSITS
  - MINERAL EXPLORATION
  - ∞ MINES
  - MINING
  - PITS (EXCAVATIONS)
  - RESERVES
  - STRATIGRAPHY
  - STRIP MINING
  - SUBSIDENCE
  - UNDERGROUND EXPLOSIONS
  - UNDERGROUND STORAGE
  - UNDERGROUND STRUCTURES
  - WASTE DISPOSAL

### MINES (ORDNANCE)

- GS WEAPONS
  - . **MINES (ORDNANCE)**
- RT AMMUNITION
  - ∞ MINES

### MINIATURE ELECTRONIC EQUIPMENT

- GS ELECTRONIC EQUIPMENT
  - . **MINIATURE ELECTRONIC EQUIPMENT**
- RT CIRCUITS
  - ∞ ELECTRIC EQUIPMENT
  - ELECTRONIC MODULES
  - ∞ EQUIPMENT
    - MICROMINIATURIZATION
    - MICROMINIATURIZED ELECTRONIC DEVICES
    - MICROMODULES
    - MINIATURIZATION
    - MOLECULAR ELECTRONICS
    - PRINTED CIRCUITS
    - SOLID STATE DEVICES
    - SUBMINIATURIZATION
    - THIN FILMS

### MINIATURIZATION

- GS **MINIATURIZATION**
  - . MICROMINIATURIZATION
  - . SUBMINIATURIZATION
- RT CIRCUITS
  - MINIATURE ELECTRONIC EQUIPMENT
  - PRINTED CIRCUITS
  - PRINTED RESISTORS
  - TRANSISTORS
  - WAFERS

### MINICOMPUTERS

- GS DATA PROCESSING EQUIPMENT
  - . COMPUTERS
  - . . DIGITAL COMPUTERS
  - . . . **MINICOMPUTERS**
  - . . . . NOVA COMPUTERS
- RT AIRBORNE/SPACEBORNE COMPUTERS
  - ATMOSPHERIC & OCEANOGRAPHIC
  - INFORM SYS
  - MICROCOMPUTERS

### MINIMA

- GS ANALYSIS (MATHEMATICS)
  - . REAL VARIABLES
  - . . EXTREMUM VALUES
  - . . . **MINIMA**
- RT CUSPS (MATHEMATICS)
  - DIFFERENTIAL CALCULUS
  - MAXIMA
  - OPERATIONS RESEARCH
  - OPTIMIZATION
  - PENALTY FUNCTION
  - RANGE (EXTREMES)
  - STEEPEST DESCENT METHOD

### MINIMAL SURFACES

- RT BOUNDARY VALUE PROBLEMS
  - CONFORMAL MAPPING
  - FINITE ELEMENT METHOD
  - ∞ SURFACES

### MINIMAX TECHNIQUE

- RT APPROXIMATION
  - CURVE FITTING
  - GAME THEORY
  - OPERATIONS RESEARCH

**MINIMAX TECHNIQUE-(CONT.)**

RESEARCH  
SADDLE POINTS

**MINIMIZATION**

USE OPTIMIZATION

**MINIMUM DRAG**

GS DYNAMIC CHARACTERISTICS  
. DRAG  
. . . **MINIMUM DRAG**  
RT AIRCRAFT PERFORMANCE  
FRICTION DRAG

**MINIMUM ENTROPY METHOD**

GS ENTROPY (STATISTICS)  
. **MINIMUM ENTROPY METHOD**  
RT . . . METHODOLOGY

**MINIMUM VARIANCE ORBIT DETERMINATION**

UF MINIVAR ORBIT DETERMINATION  
GS CLASSICAL MECHANICS  
. SPACE MECHANICS  
. . . ORBITAL MECHANICS  
. . . **MINIMUM VARIANCE ORBIT DETERMINATION**  
COMPUTATION  
. ORBIT CALCULATION  
. . . **MINIMUM VARIANCE ORBIT DETERMINATION**  
RT STATISTICAL ANALYSIS

**MINING**

GS **MINING**  
. STRIP MINING  
RT ANTHRACITE  
CLAYS  
DREDGING  
ENERGY POLICY  
EXCAVATION  
EXPLOITATION  
MINERAL DEPOSITS  
MINERAL EXPLORATION  
MINES (EXCAVATIONS)  
UNDERGROUND STRUCTURES

**MINITRACK OPTICAL TRACKING SYSTEM**

USE MINITRACK SYSTEM

**MINITRACK SYSTEM**

UF MINITRACK OPTICAL TRACKING SYSTEM  
MOTS (TRACKING SYSTEM)  
RT GLOBAL TRACKING NETWORK  
OPTICAL TRACKING  
SATELLITE TRACKING  
SPACE DETECTION AND TRACKING  
SYSTEM  
SPACE SURVEILLANCE (GROUND  
BASED)  
SPACECRAFT TRACKING  
STDN (NETWORK)  
. . . SYSTEMS  
TRACKING NETWORKS  
TRACKING STATIONS  
. . . TRACKS

**MINIVAR ORBIT DETERMINATION**

USE MINIMUM VARIANCE ORBIT  
DETERMINATION

**MINKOWSKI SPACE**

RT FEYNMAN DIAGRAMS  
LIGHT-CONE EXPANSION  
PROBABILITY THEORY  
SPACE-TIME FUNCTIONS

**MINNESOTA**

GS NATIONS  
. UNITED STATES  
. . . **MINNESOTA**

**MINOR CIRCLE TURNING FLIGHT**

GS TURNING FLIGHT  
. **MINOR CIRCLE TURNING FLIGHT**  
RT AIRCRAFT CONTROL  
MANEUVERS

**MINOR PLANET 1221**

USE AMOR ASTEROID

**MINOR PLANET 2060**

USE CHIRON

**MINORITIES**

RT AMERICAN INDIANS  
ANTHROPOLOGY  
COMMUNITIES  
CULTURE (SOCIAL SCIENCES)  
NATIONS  
RACES (ANTHROPOLOGY)  
SOCIOLOGY  
VOTING

**MINORITY CARRIERS**

GS CHARGE CARRIERS  
. **MINORITY CARRIERS**  
RT ADDITIVES  
BIPOLAR TRANSISTORS  
CARRIER INJECTION  
CARRIER LIFETIME  
DIFFUSION LENGTH  
ELECTRON MOBILITY  
ELECTRONS  
HOLES (ELECTRON DEFICIENCIES)  
SEMICONDUCTORS (MATERIALS)

**MINOS COMPUTER**

GS DATA PROCESSING EQUIPMENT  
. COMPUTERS  
. . . **MINOS COMPUTER**

**MINUTEMAN ICBM**

UF MINUTEMAN MISSILES  
GS MISSILES  
. BALLISTIC MISSILES  
. . . INTERCONTINENTAL BALLISTIC  
MISSILES  
. . . **MINUTEMAN ICBM**  
. SURFACE TO SURFACE MISSILES  
. . . INTERCONTINENTAL BALLISTIC  
MISSILES  
. . . **MINUTEMAN ICBM**  
RT M-55 ENGINE  
M-56 ENGINE  
M-57 ENGINE  
MULTISTAGE ROCKET VEHICLES  
SOLID PROPELLANT ROCKET ENGINES  
SPACE WEAPONS

**MINUTEMAN MISSILES**

USE MINUTEMAN ICBM

**MIOSIS**

RT EYE (ANATOMY)  
OPHTHALMOLOGY  
TETRAD THEORY  
VISION

**MIR SPACE STATION**

GS ARTIFICIAL SATELLITES  
. SPACE STATIONS  
. . . **MIR SPACE STATION**  
MANNED SPACECRAFT  
. **MIR SPACE STATION**  
SOVIET SPACECRAFT  
. **MIR SPACE STATION**  
STATIONS  
. SPACE STATIONS  
. . . **MIR SPACE STATION**  
RT SPACE BASES  
SPACE LABORATORIES  
SPACECRAFT DOCKING  
U.S.S.R. SPACE PROGRAM

**MIRA CETI STAR**

USE OMICRON CETI STAR

**MIRA VARIABLES**

UF LONG PERIOD VARIABLES  
GS CELESTIAL BODIES  
. STARS  
. . . LATE STARS  
. . . COOL STARS  
. . . . **MIRA VARIABLES**  
. . . . OMICRON CETI STAR  
. . . VARIABLE STARS  
. . . **MIRA VARIABLES**  
. . . . OMICRON CETI STAR  
RT ASYMPTOTIC GIANT BRANCH STARS  
CARBON STARS  
M STARS  
RED GIANT STARS  
S STARS  
STELLAR OSCILLATIONS  
SUPERGIANT STARS

**MIRAGE AIRCRAFT**

GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. . . **MIRAGE AIRCRAFT**  
. . . MIRAGE 3 AIRCRAFT  
DASSAULT AIRCRAFT  
. **MIRAGE AIRCRAFT**  
. . . MIRAGE 3 AIRCRAFT  
JET AIRCRAFT  
. **MIRAGE AIRCRAFT**  
. . . MIRAGE 3 AIRCRAFT  
MONOPLANES  
. **MIRAGE AIRCRAFT**  
. . . MIRAGE 3 AIRCRAFT  
OBSERVATION AIRCRAFT  
. **MIRAGE AIRCRAFT**  
. . . MIRAGE 3 AIRCRAFT  
RECONNAISSANCE AIRCRAFT  
. **MIRAGE AIRCRAFT**  
. . . MIRAGE 3 AIRCRAFT  
SINGLE ENGINE AIRCRAFT  
. **MIRAGE AIRCRAFT**  
. . . MIRAGE 3 AIRCRAFT  
SUPERSONIC AIRCRAFT  
. **MIRAGE AIRCRAFT**  
. . . MIRAGE 3 AIRCRAFT

**MIRAGE 3 AIRCRAFT**

UF DASSAULT MIRAGE 3 AIRCRAFT  
GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. . . **MIRAGE 3 AIRCRAFT**  
DASSAULT AIRCRAFT  
. **MIRAGE 3 AIRCRAFT**  
. . . **MIRAGE 3 AIRCRAFT**  
JET AIRCRAFT  
. **MIRAGE 3 AIRCRAFT**  
. . . **MIRAGE 3 AIRCRAFT**  
MONOPLANES  
. **MIRAGE 3 AIRCRAFT**  
. . . **MIRAGE 3 AIRCRAFT**  
OBSERVATION AIRCRAFT  
. **MIRAGE 3 AIRCRAFT**  
. . . **MIRAGE 3 AIRCRAFT**  
RECONNAISSANCE AIRCRAFT  
. **MIRAGE 3 AIRCRAFT**  
. . . **MIRAGE 3 AIRCRAFT**  
SINGLE ENGINE AIRCRAFT  
. **MIRAGE 3 AIRCRAFT**  
. . . **MIRAGE 3 AIRCRAFT**  
SUPERSONIC AIRCRAFT  
. **MIRAGE 3 AIRCRAFT**  
. . . **MIRAGE 3 AIRCRAFT**  
TAILLESS AIRCRAFT  
. **MIRAGE 3 AIRCRAFT**

**MIRANDA**

GS CELESTIAL BODIES  
. NATURAL SATELLITES  
. . . URANUS SATELLITES  
. . . **MIRANDA**  
RT URANUS (PLANET)

**MIRANDA SATELLITE**

GS ARTIFICIAL SATELLITES  
. SYNCHRONOUS SATELLITES  
. . . **MIRANDA SATELLITE**  
RT ATTITUDE CONTROL

**MIROS SYSTEM**

UF MODULATING RETRODIRECTIVE OPTICS  
GS MODULATION  
. LIGHT MODULATION  
. . . **MIROS SYSTEM**  
RT OPTICAL MEASURING INSTRUMENTS  
. . . SYSTEMS

**MIRROR FUSION**

RT FUSION REACTORS  
MAGNETIC MIRRORS  
NUCLEAR FUSION  
PLASMA CONTROL  
TANDEM MIRRORS  
THERMAL BARRIERS (PLASMA  
CONTROL)

**MIRROR POINT**

RT MAGNETIC MIRRORS  
RADIATION BELTS

**MIRRORS**

GS **MIRRORS**  
. CELESCOPES  
. ETALONS

## MIS (SEMICONDUCTORS)

### MIRRORS-(CONT.)

- . FRESNEL REFLECTORS
- . MAGNETIC MIRRORS
- . TANDEM MIRRORS
- . PARABOLOID MIRRORS
- . ROTATING MIRRORS
- . SOLETTAS
- RT CASSEGRAIN OPTICS
- CIRCUMSOLAR TELESCOPES
- COLLIMATORS
- HELIOSTATS
- OPTICAL EQUIPMENT
- OPTICAL RESONATORS
- ∞ OPTICS
- REFLECTING TELESCOPES
- REFLECTORS
- SOLAR COLLECTORS
- SOLAR REFLECTORS
- SPECULAR REFLECTION
- TELESCOPES

### MIS (SEMICONDUCTORS)

- UF METAL INSULATOR SEMICONDUCTORS
- GS ELECTRONIC EQUIPMENT
- . SOLID STATE DEVICES
- . . . SEMICONDUCTOR DEVICES
- . . . MIS (SEMICONDUCTORS)
- SEMICONDUCTORS (MATERIALS)
- . MIS (SEMICONDUCTORS)
- RT SIS (SEMICONDUCTORS)

### MISALIGNMENT

- SN (EXCLUDES PSYCHOLOGICAL DISORIENTATION)
- UF MISORIENTATION
- RT ATTITUDE (INCLINATION)
- DISORIENTATION
- POSITION (LOCATION)

### MISCIBILITY

- USE SOLUBILITY

### MISCIBILITY GAP

- RT SOLUBILITY
- SPACE PROCESSING
- TEMPERATURE DEPENDENCE

### MISFETS

- USE FIELD EFFECT TRANSISTORS

### MISMATCH (ELECTRICAL)

- RT ELECTRICAL MEASUREMENT
- IMPEDANCE MEASUREMENT
- MATCHING

### MISORIENTATION

- USE MISALIGNMENT

### MISS DISTANCE

- GS DISTANCE
- . MISS DISTANCE
- RT ACCURACY
- AIR TO SURFACE MISSILES

### MISSILE ANTENNAS

- GS ANTENNAS
- . MISSILE ANTENNAS
- MISSILE COMPONENTS
- . MISSILE ANTENNAS
- RT AIRCRAFT ANTENNAS
- DIRECTIONAL ANTENNAS
- MICROWAVE ANTENNAS

### MISSILE BODIES

- UF MISSILE CASES
- GS MISSILE COMPONENTS
- . MISSILE BODIES
- RT AIRFRAMES
- AXISYMMETRIC BODIES
- BLUNT BODIES
- ∞ BODIES
- CASES (CONTAINERS)
- FINNED BODIES
- ROCKET ENGINE CASES
- SLENDER BODIES
- STREAMLINED BODIES

### MISSILE CASES

- USE MISSILE BODIES

### MISSILE COMPONENTS

- GS MISSILE COMPONENTS
- . MISSILE ANTENNAS
- . MISSILE BODIES

### MISSILE COMPONENTS-(CONT.)

- RT ∞ COMPONENTS
- ENGINES
- FINS
- NOSE CONES
- WARHEADS
- WINGS

### MISSILE CONFIGURATIONS

- GS MISSILE CONFIGURATIONS
- . SANDPIPER TARGET MISSILE
- RT AERODYNAMIC CONFIGURATIONS
- AIRCRAFT CONFIGURATIONS
- ∞ CONFIGURATIONS
- HAMMERHEAD CONFIGURATION
- LAUNCH VEHICLE CONFIGURATIONS
- MISSILES
- MULTIENGINE VEHICLES
- PATRIOT MISSILE
- PROPULSION SYSTEM CONFIGURATIONS
- ROCKET ENGINES
- ROCKET VEHICLES

### MISSILE CONSTRUCTION

- USE MISSILE STRUCTURES

### MISSILE CONTROL

- UF MISSILE GUIDANCE
- MISSILE STABILIZATION
- RT ACTUATORS
- ANALOG COMPUTERS
- ATTITUDE CONTROL
- AUTOMATIC CONTROL
- AUTOMATIC FLIGHT CONTROL
- BEAM RIDER GUIDANCE
- ∞ CONTROL
- DIRECTIONAL CONTROL
- FLIGHT CONTROL
- GROUND BASED CONTROL
- HOMING
- LASER GUIDANCE
- LATERAL CONTROL
- LONGITUDINAL CONTROL
- MISSILES
- RADAR HOMING MISSILES
- RADIO CONTROL
- REMOTE CONTROL
- ROCKET ENGINE CONTROL
- SPACECRAFT CONTROL
- STAR TRACKERS
- THRUST VECTOR CONTROL
- VISUAL CONTROL

### MISSILE DEFENSE

- SN (SYSTEMS DESIGNED TO PROTECT MISSILES AGAINST ATTACK)
- RT ANTIMISSILE DEFENSE
- ANTIMISSILE MISSILES
- ANTIRADIATION MISSILES
- BALLISTIC MISSILE DECOYS
- ∞ DEFENSE
- DEFENSE INDUSTRY
- DEFENSE PROGRAM
- HARDENING (SYSTEMS)
- MILITARY TECHNOLOGY
- MISSILES
- OPTICAL COUNTERMEASURES
- REENTRY DECOYS
- SAFEGUARD SYSTEM
- WEAPONS DELIVERY

### MISSILE DESIGN

- RT AEROSPACE ENGINEERING
- AIRCRAFT DESIGN
- COMPUTER AIDED DESIGN
- ∞ DESIGN
- ∞ DEVELOPMENT
- ENGINE DESIGN
- FLIGHT TESTS
- FUNCTIONAL DESIGN SPECIFICATIONS
- MAGNUS EFFECT
- RELIABILITY
- STRUCTURAL DESIGN
- SYSTEMS ENGINEERING

### MISSILE DETECTION

- GS DETECTION
- . MISSILE DETECTION
- . . . RADAR DETECTION
- RT EARLY WARNING SYSTEMS
- ELECTRONIC WARFARE
- IDENTIFYING
- TARGET ACQUISITION
- TARGET RECOGNITION

### MISSILE ENGINE CASES

- USE ROCKET ENGINE CASES

### MISSILE GUIDANCE

- USE MISSILE CONTROL

### MISSILE LAUNCHERS

- GS LAUNCHERS
- . MISSILE LAUNCHERS
- . . MOBILE MISSILE LAUNCHERS
- BALLISTIC MISSILE SUBMARINES
- CATAPULTS
- GROUND SUPPORT EQUIPMENT
- GUN LAUNCHERS
- LAUNCH VEHICLES
- LAUNCHING
- LAUNCHING SITES
- MISSILES
- ROCKET LAUNCHERS
- SEA LAUNCHING
- WEAPON SYSTEMS

### MISSILE RANGES

- SN (EXCLUDES DISTANCE OF MISSILE TRAVEL)
- GS RANGES (FACILITIES)
- . TEST RANGES
- . . MISSILE RANGES
- TEST FACILITIES
- . TEST RANGES
- . . MISSILE RANGES
- RT BALLISTIC RANGES
- DOWNRANGE
- HYPERSONIC TEST APPARATUS
- MISSILES
- RANGE SAFETY
- REENTRY RANGE

### MISSILE SIGNATURES

- GS SIGNATURES
- . MISSILE SIGNATURES
- RT DETECTION
- SIGNATURE ANALYSIS
- TARGET RECOGNITION

### MISSILE SILOS

- UF SILOS (MISSILE STORAGE)
- RT BUILDINGS
- LAUNCHING SITES
- MX MISSILE
- ∞ STORAGE

### ∞ MISSILE SIMULATORS

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT COMPUTERIZED SIMULATION
- FLIGHT SIMULATORS
- MATHEMATICAL MODELS
- MISSILES
- SIMULATORS
- TRAINING SIMULATORS
- WIND TUNNEL MODELS

### MISSILE STABILIZATION

- USE MISSILE CONTROL
- STABILIZATION

### MISSILE STORAGE

- RT GROUND SUPPORT EQUIPMENT
- MOBILE MISSILE LAUNCHERS
- PROPELLANT STORAGE
- ∞ STORAGE
- UNDERGROUND STORAGE

### MISSILE STRUCTURES

- UF MISSILE CONSTRUCTION
- RT AIRFRAMES
- ∞ STRUCTURES
- TAIL ASSEMBLIES

### MISSILE SYSTEMS

- GS WEAPON SYSTEMS
- . MISSILE SYSTEMS
- . . NIKE X SYSTEMS
- . . SAFEGUARD SYSTEM
- RT AEROSPACE SYSTEMS
- BEAM RIDER GUIDANCE
- MOBILE MISSILE LAUNCHERS
- RADAR HOMING MISSILES
- ∞ SYSTEMS

### MISSILE TESTS

- RT CAPTIVE TESTS

## MISSION PLANNING

### MISSILE TESTS-(CONT.)

- ENGINE TESTS
- FLIGHT TESTS
- FUEL TESTS
- GROUND TESTS
- MISSILES
- PRELAUNCH TESTS
- PROPELLANT TESTS
- STABILITY TESTS
- STATIC TESTS
- TEST FIRING
- TEST VEHICLES
- ∞ TESTS
- WIND TUNNEL STABILITY TESTS

### MISSILE TRACKING

- GS TRACKING (POSITION)
- MISSILE TRACKING
- RT INFRARED TRACKING
- LASER TARGET DESIGNATORS
- POLYSTATION DOPPLER TRACKING SYSTEM
- RANGE AND RANGE RATE TRACKING
- SPACE DETECTION AND TRACKING SYSTEM
- SPACECRAFT TRACKING
- TRACKING NETWORKS
- TRACKING STATIONS

### MISSILE TRAJECTORIES

- GS TRAJECTORIES
- MISSILE TRAJECTORIES
- RT ASCENT TRAJECTORIES
- BALLISTIC TRAJECTORIES
- COBRA DANE (RADAR)
- DESCENT TRAJECTORIES
- FLIGHT MECHANICS
- FLIGHT PATHS
- IMPACT PREDICTION
- PARABOLIC FLIGHT
- REENTRY TRAJECTORIES
- SPINNING UNGUIDED ROCKET TRAJECTORY
- UNDERWATER TRAJECTORIES

### MISSILE VIBRATION

- GS VIBRATION
- STRUCTURAL VIBRATION
- MISSILE VIBRATION
- RT BENDING VIBRATION
- BREATHING VIBRATION
- FLUTTER
- LINEAR VIBRATION
- RANDOM VIBRATION
- SELF INDUCED VIBRATION
- SUPERSONIC FLUTTER
- TORSIONAL VIBRATION
- TRANSONIC FLUTTER

### MISSILES

- GS MISSILES
- AIR SLEW MISSILES
- AIR TO AIR MISSILES
- FALCON MISSILE
- MATRA MISSILE
- SIDEWINDER MISSILES
- SPARROW MISSILES
- SPARROW 2 MISSILE
- SPARROW 3 MISSILE
- AIR TO SURFACE MISSILES
- BULLPUP MISSILES
- CONDOR MISSILE
- HARPOON MISSILE
- HOUND DOG MISSILE
- MAVERICK MISSILES
- QUAIL MISSILE
- SHRIKE MISSILE
- ANTELOPE MISSILE
- ANTIAIRCRAFT MISSILES
- BOMARC MISSILES
- FALCON MISSILE
- MAULER MISSILE
- NIKE-AJAX MISSILE
- NIKE-HERCULES MISSILE
- REDEYE MISSILE
- SIAM MISSILES
- SIDEWINDER MISSILES
- TARTAR MISSILE
- TERRIER MISSILE
- ANTIMISSILE MISSILES
- MAULER MISSILE
- NIKE-ZEUS MISSILE
- SPARTAN MISSILE
- SPRINT MISSILE
- ANTIRADIATION MISSILES

### MISSILES-(CONT.)

- ANTISHIP MISSILES
- BALLISTIC MISSILES
- FIELD ARMY BALLISTIC MISSILES
- SUBROC MISSILE
- INTERCONTINENTAL BALLISTIC MISSILES
- ATLAS ICBM
- ATLAS D ICBM
- ATLAS E ICBM
- ATLAS F ICBM
- MINUTEMAN ICBM
- TITAN ICBM
- TITAN 1 ICBM
- TITAN 2 ICBM
- INTERMEDIATE RANGE BALLISTIC MISSILES
- BLUE STREAK MISSILE
- JUPITER MISSILE
- POLARIS MISSILES
- POLARIS A1 MISSILE
- POLARIS A2 MISSILE
- POLARIS A3 MISSILE
- PERSHING MISSILE
- POSEIDON MISSILES
- SHORT RANGE BALLISTIC MISSILES
- SKYBOLT MISSILE
- V-2 MISSILE
- BLUE STEEL MISSILE
- BUMBLEBEE PROJECT
- CORVUS MISSILE
- OSPREY MISSILE
- PRECISION GUIDED PROJECTILES
- RADAR HOMING MISSILES
- RAMJET MISSILES
- NAVAHO MISSILE
- SUPERSONIC LOW ALTITUDE MISSILE
- SANDPIPER TARGET MISSILE
- SS-11 MISSILE
- SURFACE TO AIR MISSILES
- BLUE GOOSE MISSILE
- BOMARC MISSILES
- BOMARC A MISSILE
- BOMARC B MISSILE
- CHAPARRAL MISSILE
- HAWK MISSILE
- MAULER MISSILE
- NIKE MISSILES
- NIKE-AJAX MISSILE
- NIKE-HERCULES MISSILE
- NIKE-ZEUS MISSILE
- PATRIOT MISSILE
- REDEYE MISSILE
- SPRINT MISSILE
- TALOS MISSILE
- TARTAR MISSILE
- TERRIER MISSILE
- SURFACE TO SURFACE MISSILES
- ANTITANK MISSILES
- SHILLELAGH MISSILES
- TOW MISSILES
- CORPORAL MISSILE
- CRUISE MISSILES
- NAVAHO MISSILE
- TOMAHAWK MISSILES
- FLEET BALLISTIC MISSILES
- POLARIS A1 MISSILE
- POLARIS A2 MISSILE
- POLARIS A3 MISSILE
- POSEIDON MISSILES
- SUBROC MISSILE
- INTERCONTINENTAL BALLISTIC MISSILES
- ATLAS ICBM
- ATLAS D ICBM
- ATLAS E ICBM
- ATLAS F ICBM
- MINUTEMAN ICBM
- MX MISSILE
- TITAN ICBM
- TITAN 1 ICBM
- TITAN 2 ICBM
- INTERMEDIATE RANGE BALLISTIC MISSILES
- BLUE STREAK MISSILE
- JUPITER MISSILE
- POLARIS MISSILES
- POLARIS A1 MISSILE
- POLARIS A2 MISSILE
- POLARIS A3 MISSILE
- LANCE MISSILE
- MACE MISSILES
- PERSHING MISSILE
- REGULUS MISSILE
- SERGEANT MISSILES
- SHORT RANGE BALLISTIC MISSILES

### MISSILES-(CONT.)

- SUPERSONIC LOW ALTITUDE MISSILE
- V-1 MISSILE
- UNDERWATER TO SURFACE MISSILES
- SUBROC MISSILE
- RT AMMUNITION
- ANTIMISSILE DEFENSE
- ANTISHIP WARFARE
- ARTILLERY
- ASCENT PROPULSION SYSTEMS
- AUXILIARY PROPULSION
- BOMBS (ORDNANCE)
- FLIGHT TEST VEHICLES
- ∞ FLIGHT VEHICLES
- GROUND SUPPORT EQUIPMENT
- GUIDANCE (MOTION)
- HOMING DEVICES
- HYPERSONIC FLIGHT
- INCENDIARY AMMUNITION
- LAUNCH VEHICLES
- LAUNCHING SITES
- MISSILE CONFIGURATIONS
- MISSILE CONTROL
- MISSILE DEFENSE
- MISSILE LAUNCHERS
- MISSILE RANGES
- ∞ MISSILE SIMULATORS
- MISSILE TESTS
- MULTIENGINE VEHICLES
- NIKE X SYSTEMS
- NUCLEAR WEAPONS
- PLASMA SHEATHS
- PROPULSION
- REENTRY
- REENTRY VEHICLES
- ROCKET CATAPULTS
- ROCKET ENGINES
- ROCKET PROPELLANTS
- ∞ ROCKETS
- ∞ SCRAM
- SPACECRAFT LAUNCHING
- SPIN STABILIZATION
- STAGE SEPARATION
- SUPERSONIC COMBUSTION RAMJET ENGINES
- SUPERSONIC FLIGHT
- TERMINAL BALLISTICS
- TEST VEHICLES
- TORPEDOES
- TRAJECTORIES
- TRANSPORTATION
- ∞ VEHICLES
- WARHEADS
- WEAPON SYSTEMS
- WEAPONS
- ∞ WINGED VEHICLES

### MISSING MASS (ASTROPHYSICS)

- GS COSMOLOGY
- MISSING MASS (ASTROPHYSICS)
- MASS
- MISSING MASS (ASTROPHYSICS)
- RT ASTRONOMY
- ASTROPHYSICS
- DARK MATTER
- DYNAMIC STABILITY
- GALACTIC CLUSTERS
- GALACTIC STRUCTURE
- MASS DISTRIBUTION
- MASS TO LIGHT RATIOS
- VIRIAL THEOREM

### MISSION ADAPTIVE WINGS

- GS AIRFOILS
- WINGS
- MISSION ADAPTIVE WINGS
- RT ADAPTIVE CONTROL
- F-111 AIRCRAFT
- GUST ALLEVIATORS
- VARIABLE GEOMETRY STRUCTURES
- VARIABLE SWEEP WINGS
- WING CAMBER
- WING PROFILES

### MISSION PLANNING

- GS PLANNING
- MISSION PLANNING
- RT BUDGETING
- COMMERCE LAB
- CRITICAL PATH METHOD
- ESTIMATING
- FORECASTING
- MANAGEMENT
- MANAGEMENT PLANNING
- ∞ MISSIONS



## MISSIONS

### MISSION PLANNING-(CONT.)

- ∞ OPERATIONS
- OPERATIONS RESEARCH
- PAYLOAD INTEGRATION
- ∞ PLANS
- PREDICTIONS
- PRELAUNCH SUMMARIES
- PROGRAMS
- PROJECT MANAGEMENT
- SCHEDULING
- ULYSSES MISSION

### MISSIONS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT ABORTED MISSIONS
- ASTEROID MISSIONS
- ASTRO MISSIONS (STS)
- EARTH-VENUS TRAJECTORIES
- EXPEDITIONS
- FLYBY MISSIONS
- GALILEO SPACECRAFT
- GRAND TOURS
- HEAT CAPACITY MAPPING MISSION
- LANDSAT FOLLOW-ON MISSIONS
- LONG DURATION SPACE FLIGHT
- MARINER JUPITER-SATURN FLYBY
- MARINER JUPITER-URANUS FLYBY
- MISSION PLANNING
- PLANNING
- PROGRAMS
- PROJECT PLANNING
- PROJECTS
- SOLAR MAXIMUM MISSION
- SOLAR MAXIMUM MISSION-A
- SPACE FLIGHT
- SPACE MISSIONS
- SPACE SHUTTLE MISSIONS
- TARGETS
- ULYSSES MISSION
- VOYAGER 1977 MISSION

### MISSISSIPPI

- GS NATIONS
- . UNITED STATES
- . . MISSISSIPPI
- RT GULF OF MEXICO

### MISSISSIPPI DELTA (LA)

- GS LANDFORMS
- . DELTAS
- . . MISSISSIPPI DELTA (LA)
- RT LOUISIANA
- RIVERS

### MISSISSIPPI RIVER (US)

- GS RIVERS
- . MISSISSIPPI RIVER (US)
- RT DRAINAGE PATTERNS
- EARTH RESOURCES
- FLOODS
- RESOURCES
- RIVER BASINS

### MISSOURI

- GS NATIONS
- . UNITED STATES
- . . MISSOURI
- RT MISSOURI RIVER (US)
- ST LOUIS-KANSAS CITY CORRIDOR (MO)

### MISSOURI RIVER (US)

- GS RIVERS
- . MISSOURI RIVER (US)
- RT IOWA
- KANSAS
- MISSOURI
- MONTANA
- NEBRASKA
- NORTH DAKOTA
- RIVER BASINS
- SOUTH DAKOTA
- UNITED STATES
- VALLEYS

### MISSOURI RIVER BASIN (US)

- GS LANDFORMS
- . STRUCTURAL BASINS
- . . RIVER BASINS
- . . . MISSOURI RIVER BASIN (US)
- RT RIVERS
- WATERSHEDS

### MIST

- SN (ATMOSPHERIC WATER)
- GS PARTICLES
- . MIST
- RT AEROSOLS
- DISPERSIONS
- FOG
- FOG DISPERSAL
- HAZE
- HAZE DETECTION
- PRECIPITATION (METEOROLOGY)

### MITOCHONDRIA

- GS ORGANELLES
- . MITOCHONDRIA
- RT CELLS (BIOLOGY)
- CYTOLOGY

### MITOSIS

- GS CYTOGENESIS
- . MITOSIS
- RT CELL DIVISION
- CELLS (BIOLOGY)
- CHROMOSOMES
- CYTOLOGY
- CYTOPLASM
- MUTATIONS
- PHYSIOLOGY
- ∞ REPRODUCTION

### MITRA

- RT FUNGI
- PLANTS (BOTANY)

### MIUS

- USE MODULAR INTEGRATED UTILITY SYSTEM

### MIXED CRYSTALS

- GS CRYSTALS
- . MIXED CRYSTALS
- RT POWDER METALLURGY
- SINTERING

### MIXED FLOW

- USE MULTIPHASE FLOW

### MIXED OXIDES

- GS CHALCOGENIDES
- . OXIDES
- . . METAL OXIDES
- . . . MIXED OXIDES
- RT HIGH TEMPERATURE
- SUPERCONDUCTORS
- NUCLEAR FUELS
- PLUTONIUM OXIDES
- URANIUM OXIDES

### MIXERS

- SN (EXCLUDES MIXING CIRCUITS)
- RT ADMIXTURES
- AERATION
- AEROSOLS
- AGITATION
- BAFFLES
- BLOWERS
- CARBURETORS
- COALESCING
- CONTACTORS
- ∞ DIFFUSERS
- ∞ DISPERSION
- FEEDERS
- GRINDING MILLS
- MIXING
- MIXTURES
- PADDLES
- PLOWS
- PLUNGERS
- SEPARATORS
- SHAKERS
- SPRAYERS
- STIRRING
- TUMBLING MOTION

### MIXING

- GS MIXING
- . COLLOIDING
- . COMPOUNDING
- . DISSOLVING
- . HOMOGENIZING
- . LAMINAR MIXING
- . PREMIXING
- . SIGNAL MIXING
- . SUSPENDING (MIXING)
- . TURBULENT MIXING

### MIXING-(CONT.)

- RT AERATION
- AGITATION
- BLOWING
- CHOKES
- DIFFUSION
- DILUTION
- GRINDING (COMMINUTION)
- JET MIXING FLOW
- LIQUID INJECTION
- METAL POWDER
- MIXERS
- MIXTURES
- PREMIXED FLAMES
- ∞ SEPARATION
- SHAKING
- SPRAYING
- SWIRLING
- TANGLING
- TRAPPED VORTEXES
- TURBULENCE
- VORTICES

### MIXING CIRCUITS

- GS CIRCUITS
- . MIXING CIRCUITS
- RT FREQUENCY CONVERTERS
- FREQUENCY SYNTHESIZERS
- HETERODYNING
- PREAMPLIFIERS

### MIXING DEPTH

- USE MIXING HEIGHT

### MIXING HEIGHT

- UF MIXING DEPTH
- RT AIR POLLUTION
- ATMOSPHERIC CIRCULATION
- CONVECTION
- CONVECTION CURRENTS
- VERTICAL AIR CURRENTS
- WIND (METEOROLOGY)
- ZONAL FLOW (METEOROLOGY)

### MIXING LENGTH FLOW THEORY

- GS FLOW THEORY
- . MIXING LENGTH FLOW THEORY
- KINETIC THEORY
- . TRANSPORT THEORY
- . . MIXING LENGTH FLOW THEORY
- RT SHEAR FLOW
- ∞ THEORIES
- TURBULENT FLOW
- TURBULENT MIXING
- VORTICITY TRANSPORT HYPOTHESIS

### MIXTURES

- UF BLENDS
- GS MIXTURES
- . ADMIXTURES
- . BINARY MIXTURES
- . . BINARY FLUIDS
- . . EUTECTICS
- . . . EUTECTIC ALLOYS
- . . DISPERSIONS
- . . COLLOIDS
- . . . AEROSOLS
- . . . . FOG
- . . . COLLOIDAL PROPELLANTS
- . . EMULSIONS
- . . . PHOTOGRAPHIC EMULSIONS
- . . . . NUCLEAR EMULSIONS
- . . LIQUID-GAS MIXTURES
- . . . AEROSOLS
- . . . . FOG
- . . . PLASTISOLS
- . . . SMOKE
- . . SIALON
- . . SLURRIES
- . . SOLID SUSPENSIONS
- . . SOLUTIONS
- . . AQUEOUS SOLUTIONS
- . . GAS MIXTURES
- . . . AIR
- . . . . ALVEOLAR AIR
- . . . . COMPRESSED AIR
- . . . . EXPIRED AIR
- . . . . HIGH TEMPERATURE AIR
- . . . . LIQUID AIR
- . . . . DETONABLE GAS MIXTURES
- . . PHOTOGRAPHIC EMULSIONS
- . . . NUCLEAR EMULSIONS
- . . . SOLID SOLUTIONS
- RT ALLOYS
- AZEOTROPES

**MIXTURES-(CONT.)**

- ∞ COMBINATION
- COMPOSITE MATERIALS
- COMPOSITION (PROPERTY)
- DISSOLVED GASES
- EUTECTIC COMPOSITES
- FORMULATIONS
- INGREDIENTS
- MIXERS
- MIXING
- PASTE (CONSISTENCY)
- SOLUBILITY

**ML-1 NUCLEAR POWER PLANT**

- GS ELECTRIC POWER PLANTS
- NUCLEAR POWER PLANTS
- ML-1 NUCLEAR POWER PLANT
- NUCLEAR ELECTRIC POWER GENERATION
- NUCLEAR POWER PLANTS
- ML-1 NUCLEAR POWER PLANT
- RT ∞ POWER PLANTS

**MLA**

- USE MULTISPECTRAL LINEAR ARRAYS

**MMS**

- USE MULTIMISSION MODULAR SPACECRAFT

**MNEMONICS**

- RT MEMORY
- NOMENCLATURES
- SYMBOLIC PROGRAMMING
- SYMBOLS

**MNOS**

- USE METAL-NITRIDE-OXIDE-SILICON

**MOBILE COMMUNICATION SYSTEMS**

- GS MOBILE COMMUNICATION SYSTEMS
- LAND MOBILE SATELLITE SERVICE
- RT COMMUNICATION SATELLITES
- MSAT
- RADIO COMMUNICATION

**MOBILE LOUNGES**

- RT AIRFIELD SURFACE MOVEMENTS
- AIRPORTS
- GROUND HANDLING
- ∞ LOUNGES

**MOBILE MISSILE LAUNCHERS**

- GS LAUNCHERS
- MISSILE LAUNCHERS
- MOBILE MISSILE LAUNCHERS
- RT BALLISTIC MISSILE SUBMARINES
- MISSILE STORAGE
- MISSILE SYSTEMS
- WEAPON SYSTEMS

**MOBILE QUARANTINE FACILITY**

- RT AEROSPACE MEDICINE
- EVACUATING (TRANSPORTATION)
- ∞ FACILITIES
- MEDICAL EQUIPMENT
- MEDICAL SERVICES
- PHYSICAL EXAMINATIONS
- PHYSIOLOGICAL TESTS

**MOBILITY**

- SN (EXCLUDES CONSIDERATIONS OF MANNED AND UNMANNED CRAFT)
- GS MOBILITY
- ATOMIC MOBILITIES
- CARRIER MOBILITY
- ELECTRON MOBILITY
- HOLE MOBILITY
- IONIC MOBILITY
- RT ∞ CONDUCTIVITY
- DIFFUSIVITY
- DRIFT RATE
- HALL EFFECT
- KINETIC THEORY
- PORTABLE EQUIPMENT
- TRANSPORT PROPERTIES

**MODAL RESPONSE**

- UF MODE SHAPES
- GS RESPONSES
- MODAL RESPONSE
- RT DYNAMIC RESPONSE
- STROKING TESTS

**MODCOMP II COMPUTER**

- GS DATA PROCESSING EQUIPMENT
- COMPUTERS
- DIGITAL COMPUTERS
- MODCOMP II COMPUTER

**MODCOMP IV COMPUTER**

- GS DATA PROCESSING EQUIPMENT
- COMPUTERS
- DIGITAL COMPUTERS
- MODCOMP IV COMPUTER

**MODE**

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT FAILURE MODES
- MODE (STATISTICS)
- MODES

**MODE (STATISTICS)**

- RT AVERAGE
- DISTRIBUTION MOMENTS
- FAILURE MODES
- MEAN
- MEDIAN (STATISTICS)
- ∞ MODE
- MODES
- MOMENTS
- QUALITY CONTROL

**MODE COUPLING**

- USE COUPLED MODES

**MODE OF VIBRATION**

- USE VIBRATION MODE

**MODE SHAPES**

- USE MODAL RESPONSE

**MODE TRANSFORMERS**

- GS TRANSDUCERS
- MODE TRANSFORMERS
- TRANSFORMERS
- MODE TRANSFORMERS
- RT IMPEDANCE MATCHING
- PROPAGATION MODES
- TRANSMISSION LINES
- VIBRATION MODE
- WAVEGUIDE TUNERS

**MODEL REFERENCE ADAPTIVE CONTROL**

- UF MRAC (SYSTEMS)
- GS AUTOMATIC CONTROL
- ADAPTIVE CONTROL
- MODEL REFERENCE ADAPTIVE CONTROL
- RT AUTOMATA THEORY
- AUTONOMY
- ∞ CONTROL
- CONTROL THEORY
- CYBERNETICS
- DYNAMIC CONTROL
- FEEDBACK CONTROL
- FEEDFORWARD CONTROL
- MATHEMATICAL MODELS
- OPTIMAL CONTROL
- SELF ALIGNMENT
- SYSTEMS SIMULATION

**MODELS**

- GS MODELS
- AIRCRAFT MODELS
- ASTRONOMICAL MODELS
- DENSITY WAVE MODEL
- STELLAR MODELS
- ATMOSPHERIC MODELS
- REFERENCE ATMOSPHERES
- BREADBOARD MODELS
- DYNAMIC MODELS
- ENVIRONMENT MODELS
- GUTENBERG ZONE
- HYDROLOGY MODELS
- LIGHTHILL GAS MODEL
- MATHEMATICAL MODELS
- ANALOG SIMULATION
- BIOLOGICAL MODELS (MATHEMATICS)
- DIGITAL SIMULATION
- MANDELSTAM REPRESENTATION
- PETRI NETS
- THOMAS-FERMI MODEL
- VENEZIANO MODEL
- NUCLEAR MODELS
- OCEAN MODELS

**MODELS-(CONT.)**

- QUARK MODELS
- QUARK PARTON MODEL
- SCALE MODELS
- SEMISPAN MODELS
- SPACECRAFT MODELS
- STATIC MODELS
- VECTOR DOMINANCE MODEL
- WIND TUNNEL MODELS
- POWERED MODELS
- RT ANALOGS
- DUMMIES
- LAYOUTS
- PILOT PLANTS
- REPLICAS
- SIMULATORS
- TEST FACILITIES

**MODEMS**

- UF MODULATORS-DEMODULATORS
- GS DEMODULATORS
- MODEMS
- MODULATORS
- MODEMS
- RT DATA TRANSMISSION
- PERIPHERAL EQUIPMENT (COMPUTERS)
- PHASE DEMODULATORS
- PHASE MODULATION
- PULSE AMPLITUDE MODULATION
- PULSE COMMUNICATION
- PULSE DURATION MODULATION
- PULSE FREQUENCY MODULATION
- PULSE MODULATION
- PULSE POSITION MODULATION

**MODERATION (ENERGY ABSORPTION)**

- GS ENERGY ABSORPTION
- MODERATION (ENERGY ABSORPTION)
- THERMALIZATION (ENERGY ABSORPTION)
- NEUTRON THERMALIZATION
- RT ∞ ABSORPTION
- LIMITERS (FUSION REACTORS)
- MODERATORS

**MODERATORS**

- RT BERYLLIUM
- BLANKETS (FUSION REACTORS)
- GRAPHITE
- HEAVY WATER
- LIMITERS (FUSION REACTORS)
- MODERATION (ENERGY ABSORPTION)
- NEUTRON ABSORBERS
- NUCLEAR REACTORS
- REACTOR MATERIALS
- WATER

**MODES**

- GS MODES
- AXIAL MODES
- BALLOONING MODES
- COUPLED MODES
- FAILURE MODES
- LASER MODES
- MODES (STANDING WAVES)
- PROPAGATION MODES
- PUSHBROOM SENSOR MODES
- VIBRATION MODE
- UNCOUPLLED MODES
- RT ∞ MODE
- MODE (STATISTICS)
- TEARING MODES (PLASMAS)

**MODES (STANDING WAVES)**

- GS MODES
- MODES (STANDING WAVES)
- RT UNCOUPLED MODES
- VIBRATION

**MODFETS**

- UF MODULATION DOPED FETS
- GS ELECTRONIC EQUIPMENT
- SOLID STATE DEVICES
- SEMICONDUCTOR DEVICES
- HETEROJUNCTION DEVICES
- HIGH ELECTRON MOBILITY TRANSISTORS
- MODFETS
- TRANSISTORS
- FIELD EFFECT TRANSISTORS
- MODFETS
- HIGH ELECTRON MOBILITY TRANSISTORS
- MODFETS
- ALUMINUM GALLIUM ARSENIDES
- RT

## MODIFICATION

### MODFETS-(CONT.)

DOPED CRYSTALS  
ENERGY GAPS (SOLID STATE)  
GALLIUM ARSENIDES  
INDIUM ARSENIDES  
ION IMPLANTATION

### MODIFICATION

USE REVISIONS

### MODULAR INTEGRATED UTILITY SYSTEM

UF MIUS  
RT AIR CONDITIONING  
COMMUNITIES  
ELECTRIC POWER PLANTS  
HEATING  
POTABLE WATER  
SEWAGE TREATMENT  
∞ SYSTEMS  
UTILITIES  
WASTE DISPOSAL

### MODULAR RATIOS

GS MECHANICAL PROPERTIES  
MODULAR RATIOS  
RATIOS  
MODULAR RATIOS  
RT COMPOSITE MATERIALS  
STRESS RATIO  
STRUCTURAL ANALYSIS  
STRUCTURAL ENGINEERING

### MODULARITY

RT ARCHITECTURE (COMPUTERS)  
AVIONICS  
COMPUTER PROGRAMS  
ELECTRONIC MODULES  
SYSTEMS ENGINEERING

### MODULATED CONTINUOUS RADIATION

GS CONTINUOUS RADIATION  
MODULATED CONTINUOUS RADIATION  
ELECTROMAGNETIC RADIATION  
MODULATED CONTINUOUS RADIATION  
RT COHERENT ELECTROMAGNETIC  
RADIATION  
PHASE DEVIATION  
∞ RADIATION

### MODULATING RETRODIRECTIVE OPTICS

USE MIROS SYSTEM

### MODULATION

UF CARRIER MODULATION  
GS MODULATION  
AMPLITUDE MODULATION  
FREQUENCY MODULATION  
FEEDBACK FREQUENCY MODULATION  
FM/PM (MODULATION)  
FREQUENCY SHIFT KEYING  
PULSE FREQUENCY MODULATION  
INTERMODULATION  
IONOSPHERIC CROSS MODULATION  
LIGHT MODULATION  
MIROS SYSTEM  
ULTRASONIC LIGHT MODULATION  
PHASE MODULATION  
FM/PM (MODULATION)  
PHASE SHIFT KEYING  
PULSE MODULATION  
PULSE AMPLITUDE MODULATION  
PULSE CODE MODULATION  
DELTA MODULATION  
DIFFERENTIAL PULSE CODE  
MODULATION  
PULSE FREQUENCY MODULATION  
PULSE TIME MODULATION  
PULSE DURATION MODULATION  
PULSE POSITION MODULATION  
TRAVELING WAVE MODULATION  
VELOCITY MODULATION  
RT CARRIER FREQUENCIES  
CARRIER WAVES  
COMPANDING  
CRYSTALLIZATION  
DEMULATION  
DEMODULATORS  
DOUBLE SIDEBAND TRANSMISSION  
INTERFERENCE FACTOR TABLE  
MODULATORS  
P.A.C.M. TELEMETRY  
PULSE FREQUENCY MODULATION  
TELEMETRY  
RADIO TRANSMISSION  
REMULATION

### MODULATION-(CONT.)

SELECTIVE FADING  
TELECOMMUNICATION  
WAVE INTERACTION

### MODULATION DOPED FETS

USE MODFETS

### MODULATION DOPING

RT ADDITIVES  
DONOR MATERIALS  
DOPED CRYSTALS  
ELECTRON MOBILITY  
ENERGY GAPS (SOLID STATE)  
HETEROJUNCTION DEVICES  
HETEROJUNCTIONS  
HIGH ELECTRON MOBILITY  
TRANSISTORS  
ION IMPLANTATION  
SEMICONDUCTOR DEVICES  
SEMICONDUCTORS (MATERIALS)

### MODULATION TRANSFER FUNCTION

UF MTF  
GS FUNCTIONS (MATHEMATICS)  
TRANSFER FUNCTIONS  
MODULATION TRANSFER FUNCTION  
RT FIGURE OF MERIT  
IMAGING TECHNIQUES  
OPTICAL MEASUREMENT  
OPTICAL TRANSFER FUNCTION  
∞ PERFORMANCE  
SYSTEM EFFECTIVENESS  
SYSTEMS ANALYSIS

### MODULATORS

GS MODULATORS  
MODEMS  
RT AMPLIFIERS  
AMPLITUDE MODULATION  
DEMODULATORS  
ELECTRON TUBES  
FREQUENCY MODULATION  
LIGHT MODULATION  
MATCHED FILTERS  
MODULATION  
PHASE MODULATION  
PULSE MODULATION

### MODULATORS-DEMODULATORS

USE MODEMS

### MODULES

GS MODULES  
AIRLOCK MODULES  
CHEMICAL RELEASE MODULES  
ELECTRONIC MODULES  
MICROMODULES  
LOCAL SCIENTIFIC SURVEY MODULE  
PAYLOAD ASSIST MODULE  
POWER MODULES (STS)  
SERVICE MODULES  
SPACECRAFT DOCKING MODULES  
SPACECRAFT MODULES  
COMMAND MODULES  
COMMAND SERVICE MODULES  
LANDING MODULES  
LUNAR LANDING MODULES  
LUNAR MODULE  
LSSM  
MARS EXCURSION MODULE  
SIM  
RT CIRCUITS  
COMPARTMENTS  
COMPONENTS  
INSTRUMENT PACKAGES  
SPACE TUGS  
SPARE PARTS

### MODULUS OF ELASTICITY

UF COMPLIANCE (ELASTICITY)  
ELASTIC MODULUS  
YOUNG MODULUS  
GS MECHANICAL PROPERTIES  
ELASTIC PROPERTIES  
MODULUS OF ELASTICITY  
DYNAMIC MODULUS OF ELASTICITY  
RT ANELASTICITY  
BENDING  
HOOKES LAW  
HYDROELASTICITY  
POISSON RATIO  
PROPORTIONAL LIMIT  
∞ RIGIDITY  
SHEAR PROPERTIES

### MODULUS OF ELASTICITY-(CONT.)

STIFFNESS  
STRESS-STRAIN DIAGRAMS

### MOHAWK AIRCRAFT

USE OV-1 AIRCRAFT

### MOHR CIRCLES

USE FRACTURE MECHANICS

### MOIRE EFFECTS

RT BEAT FREQUENCIES  
BIREFRINGENCE  
DIFFRACTION  
EFFECTS  
FRINGE MULTIPLICATION  
INTERFERENCE GRATING  
METHODOLOGY  
MOIRE FRINGES  
MOIRE INTERFEROMETRY  
PHOTOELASTIC ANALYSIS  
SCHLIEREN PHOTOGRAPHY

### MOIRE FRINGES

RT DIFFRACTION PATTERNS  
FRINGE MULTIPLICATION  
INTERFERENCE GRATING  
MOIRE EFFECTS  
STRESS ANALYSIS  
STRESS CONCENTRATION

### MOIRE INTERFEROMETRY

GS INTERFEROMETRY  
MOIRE INTERFEROMETRY  
RT DIFFRACTION PATTERNS  
HOLOGRAPHIC INTERFEROMETRY  
MOIRE EFFECTS

### MOISTURE

GS MOISTURE  
ATMOSPHERIC MOISTURE  
SOIL MOISTURE  
RT HUMIDITY  
HYGRAL PROPERTIES  
METEOROLOGICAL PARAMETERS  
METEOROLOGY  
WATER  
WATER VAPOR

### MOISTURE CONTENT

UF DAMPNES  
WATER CONTENT  
WETNESS  
GS COMPOSITION (PROPERTY)  
CONCENTRATION (COMPOSITION)  
MOISTURE CONTENT  
ATMOSPHERIC MOISTURE  
RT ATMOSPHERIC COMPOSITION  
CHEMICAL PROPERTIES  
HUMIDITY  
HYDROTHERMAL STRESS ANALYSIS  
HYGROSCOPICITY  
LYSIMETERS  
SOIL MOISTURE  
WATER  
WATER VAPOR

### MOISTURE DETECTORS

USE MOISTURE METERS

### MOISTURE METERS

UF MOISTURE DETECTORS  
GS MEASURING INSTRUMENTS  
MOISTURE METERS  
HYGROMETERS  
PSYCHROMETERS  
RT CHEMICAL ANALYSIS  
HUMIDITY  
HUMIDITY MEASUREMENT

### MOISTURE RESISTANCE

RT CAULKING  
COATINGS  
HYDROTHERMAL STRESS ANALYSIS  
HYGROSCOPICITY  
POROSITY  
RESISTANCE  
SEALING  
WATERPROOFING  
WEATHERPROOFING

### MOJAVE DESERT (CA)

GS LAND  
DESERTS

## MOLECULAR OSCILLATORS

### MOJAVE DESERT (CA)-(CONT.)

#### MOJAVE DESERT (CA)

RT ARID LANDS  
CALIFORNIA  
DESERTIFICATION  
REMOTE REGIONS

### MOL (ORBITAL LABORATORIES)

USE MANNED ORBITAL LABORATORIES

### MOLABS

USE LUNAR MOBILE LABORATORIES

### ∞ MOLD

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*

RT ASPERGILLUS  
FUNGI  
MOLDS  
RHIZOPUS  
RUST FUNGI

### MOLDAVITE

GS ROCKS  
. IGNEOUS ROCKS  
. OBSIDIAN  
. . . . **MOLDAVITE**  
RT GLASS  
METEORITES  
SOILS

### MOLDING MATERIALS

RT BINDERS (MATERIALS)  
CASTING  
CLAYS  
CORES  
INJECTION MOLDING  
∞ MATERIALS  
MOLDS  
PLASTERS  
PLASTICS  
SAND CASTING  
SANDS  
TENITE

### MOLDS

SN (EXCLUDES ORGANISMS)

RT CASTING  
CASTINGS  
DIES  
FLAT PATTERNS  
FOUNDRIES  
INGOTS  
INJECTION MOLDING  
MANDRELS  
MELTING  
∞ MOLD  
MOLDING MATERIALS  
ORGANIC MATERIALS  
∞ PATTERNS  
PREFORMS  
PRESSING (FORMING)  
PUNCHES  
TABLETS  
TEMPLATES

### MOLECULAR ABSORPTION

GS ENERGY ABSORPTION  
. RADIATION ABSORPTION  
. . . **MOLECULAR ABSORPTION**  
RT ∞ ABSORPTION  
ATMOSPHERIC ATTENUATION  
BEER LAW  
ELECTROMAGNETIC ABSORPTION  
LIGHT TRANSMISSION

### MOLECULAR BEAM EPITAXY

GS GROWTH  
. CRYSTAL GROWTH  
. . . EPITAXY  
. . . **MOLECULAR BEAM EPITAXY**

### MOLECULAR BEAMS

GS BEAMS (RADIATION)  
. PARTICLE BEAMS  
. . . NEUTRAL BEAMS  
. . . **MOLECULAR BEAMS**  
RT ATOMIC BEAMS  
ATOMIC CLOCKS  
FREE MOLECULAR FLOW  
ION BEAMS  
MOLECULES  
RAREFIED GAS DYNAMICS

### MOLECULAR BIOLOGY

GS LIFE SCIENCES  
. **MOLECULAR BIOLOGY**  
RT BIOCHEMISTRY  
∞ BIOLOGY  
EUKARYOTES  
GENE EXPRESSION  
GENES  
PHYSIOCHEMISTRY  
PROKARYOTES

### MOLECULAR BONDS

USE CHEMICAL BONDS

### MOLECULAR CHAINS

RT ∞ ALIPHATIC COMPOUNDS  
CHAINS  
CRYSTAL LATTICES  
MONOMERS

### MOLECULAR CLOUDS

RT ASTRONOMICAL MODELS  
∞ CLOUDS  
COSMIC DUST  
HYDROGEN CLOUDS  
INTERSTELLAR CHEMISTRY  
INTERSTELLAR GAS  
INTERSTELLAR MASERS  
INTERSTELLAR MATTER  
STAR FORMATION

### MOLECULAR COLLISIONS

GS COLLISIONS  
. **MOLECULAR COLLISIONS**  
PARTICLE INTERACTIONS  
. . . MOLECULAR INTERACTIONS  
. . . **MOLECULAR COLLISIONS**  
RT ATOMIC COLLISIONS  
∞ INTERACTIONS  
PARTICLE COLLISIONS  
RIGID ROTORS (PLASMA PHYSICS)

### MOLECULAR DIFFUSION

GS DIFFUSION  
. **MOLECULAR DIFFUSION**  
RT ATMOSPHERIC DIFFUSION  
DIFFUSION COEFFICIENT  
DIFFUSION WAVES  
DISSOCIATION  
GASEOUS DIFFUSION  
GASEOUS SELF-DIFFUSION  
PARTICLE DIFFUSION  
SELF DIFFUSION (SOLID STATE)  
SURFACE DIFFUSION

### MOLECULAR DISSOCIATION

USE DISSOCIATION

### MOLECULAR ELECTRONICS

GS ELECTROPHYSICS  
. **MOLECULAR ELECTRONICS**  
RT DTL INTEGRATED CIRCUITS  
∞ ELECTRONICS  
INTEGRATED CIRCUITS  
LARGE SCALE INTEGRATION  
LINEAR INTEGRATED CIRCUITS  
MEDIUM SCALE INTEGRATION  
MICROELECTRONICS  
MICROMINIATURIZATION  
MINIATURE ELECTRONIC EQUIPMENT  
MONOMOLECULAR FILMS  
PI-ELECTRONS  
SEMICONDUCTOR DEVICES  
THIN FILMS  
TTL INTEGRATED CIRCUITS  
VERY LARGE SCALE INTEGRATION

### MOLECULAR ENERGY LEVELS

GS LEVEL (QUANTITY)  
. ENERGY LEVELS  
. . . **MOLECULAR ENERGY LEVELS**  
. . . INTERMOLECULAR FORCES  
RT CHEMICAL ENERGY  
∞ ENERGY  
ENERGY OF FORMATION  
EXCIMERS  
FREE ENERGY  
HEAT OF SOLUTION  
INTERNAL ENERGY  
∞ NUCLEAR ENERGY

### MOLECULAR EXCITATION

GS EXCITATION  
. **MOLECULAR EXCITATION**

### MOLECULAR EXCITATION-(CONT.)

RT ATOMIC EXCITATIONS  
ENERGY LEVELS  
IONIZATION  
PARTICLE COLLISIONS

### MOLECULAR FLOW

SN (FLOW WITH KNUDSEN NUMBERS  
GREATER THAN 0.01--FOR SPECIFIC  
FLOWS IN THIS RANGE USE  
NARROWER TERMS--FOR DUCTED  
MOLECULAR FLOW USE KNUDSEN  
FLOW)  
GS FLUID FLOW  
. GAS FLOW  
. . . **MOLECULAR FLOW**  
. . . SLIP FLOW  
. . . TRANSITION FLOW  
RT BOUNDARY LAYER TRANSITION  
CONTINUUM FLOW  
KNUDSEN FLOW  
LOW DENSITY FLOW  
RAREFIED GAS DYNAMICS  
TRANSPIRATION

### MOLECULAR GASES

GS GASES  
. **MOLECULAR GASES**  
. . . POLAR GASES  
. . . POLYATOMIC GASES  
. . . DIATOMIC GASES  
RT ASSOCIATION REACTIONS  
GAS DYNAMICS  
MONATOMIC GASES  
NONPOLAR GASES  
RAREFIED GASES  
REAL GASES

### MOLECULAR INTERACTIONS

GS PARTICLE INTERACTIONS  
. **MOLECULAR INTERACTIONS**  
. . . MOLECULAR COLLISIONS  
RT ASSOCIATION REACTIONS  
CONFIGURATION INTERACTION  
DISSOCIATION  
∞ INTERACTIONS  
INTERMOLECULAR FORCES  
INTERNUCLEAR PROPERTIES  
INTERSTELLAR CHEMISTRY  
IONIC REACTIONS  
LENNARD-JONES POTENTIAL  
MASS FLOW  
∞ MOLECULAR PHYSICS  
TRANSPORT THEORY

### MOLECULAR IONS

GS IONS  
. **MOLECULAR IONS**  
. . . FORMYL IONS  
. . . HYDRONIUM IONS  
. . . VANADYL RADICAL  
RT AMINO RADICAL  
ELECTRON AFFINITY  
∞ MOLECULAR PHYSICS  
POSITIVE IONS

### MOLECULAR ORBITALS

GS ORBITALS  
. **MOLECULAR ORBITALS**  
WAVE FUNCTIONS  
. **MOLECULAR ORBITALS**  
RT QUANTUM THEORY  
SELF CONSISTENT FIELDS

### MOLECULAR OSCILLATIONS

GS OSCILLATIONS  
. **MOLECULAR OSCILLATIONS**  
RT ARGON LASERS  
CARBON DIOXIDE LASERS  
CARBON MONOXIDE LASERS  
GAS LASERS  
OSCILLATOR STRENGTHS

### MOLECULAR OSCILLATORS

GS OSCILLATORS  
. **MOLECULAR OSCILLATORS**  
RT LASERS  
MASERS  
OSCILLATOR STRENGTHS  
TWO-WAVELENGTH LASERS  
ULTRAVIOLET LASERS

## MOLECULAR PHYSICS

### ∞ MOLECULAR PHYSICS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)*
- RT INTERNUCLEAR PROPERTIES  
MAYER PROBLEM  
MOLECULAR INTERACTIONS  
MOLECULAR IONS  
MONATOMIC MOLECULES
- ∞ PHYSICS
- ∞ SCIENCE

### MOLECULAR PUMPS

- GS PUMPS
  - . VACUUM PUMPS
  - . . . MOLECULAR PUMPS
  - VACUUM APPARATUS
  - . VACUUM PUMPS
  - . . . MOLECULAR PUMPS
- RT PLASMA PUMPING  
PUMP SEALS

### MOLECULAR RELAXATION

- UF CHEMICAL RELAXATION  
VIBRATIONAL RELAXATION
- RT GAS FLOW  
POPULATION INVERSION
- ∞ RELAXATION  
RELAXATION (MECHANICS)  
RELAXATION TIME  
SHOCK WAVES  
THERMODYNAMICS  
VIBRATION DAMPING  
VIBRATIONAL SPECTRA

### MOLECULAR ROTATION

- GS GYRATION
  - . ROTATION
  - . . . MOLECULAR ROTATION
- RT MICROWAVE SPECTRA  
RAMAN SPECTRA  
RIGID ROTORS (PLASMA PHYSICS)

### MOLECULAR SHIELDS

- RT CONTAMINATION  
HIGH VACUUM  
INSTRUMENT PACKAGES  
SPACEBORNE EXPERIMENTS

### MOLECULAR SIEVES

- USE ABSORBENTS

### MOLECULAR SPECTRA

- GS SPECTRA
  - . MOLECULAR SPECTRA
  - . . . ELECTRONIC SPECTRA
  - . . . RAMAN SPECTRA
  - . . . VIBRATIONAL SPECTRA
- RT ABSORPTION SPECTRA  
ELECTROMAGNETIC SPECTRA  
EMISSION SPECTRA  
ENERGY SPECTRA  
INFRARED SPECTRA  
MASS SPECTRA  
MICROWAVE SPECTRA  
OXYGEN SPECTRA  
SOLAR SPECTRA  
STELLAR SPECTRA  
SWAN BANDS  
ULTRAVIOLET SPECTRA  
VEGARD-KAPLAN BANDS  
VISIBLE SPECTRUM

### MOLECULAR SPECTROSCOPY

- GS SPECTROSCOPY
  - . MOLECULAR SPECTROSCOPY
  - . . . RAMAN SPECTROSCOPY
- RT ABSORPTION SPECTRA  
ELECTRON SPECTROSCOPY  
EMISSION SPECTRA  
INFRARED SPECTROSCOPY  
LINE SPECTRA  
MICROWAVE SPECTRA  
OPTOGALVANIC SPECTROSCOPY  
SPECTROSCOPIC ANALYSIS  
ULTRAVIOLET SPECTROSCOPY  
VACUUM SPECTROSCOPY  
X RAY SPECTROSCOPY

### MOLECULAR STRUCTURE

- RT ATOMIC INTERACTIONS  
ATOMIC STRUCTURE  
BIOPOLYMER DENATURATION  
COMPLEX COMPOUNDS  
CONFIGURATION INTERACTION

### MOLECULAR STRUCTURE-(CONT.)

- CRYSTAL LATTICES  
HYDROGEN BONDS  
INFRARED SPECTROSCOPY  
INTERMOLECULAR FORCES  
INTRAMOLECULAR STRUCTURES  
MOLECULES  
MONATOMIC MOLECULES  
NUCLEAR MAGNETIC RESONANCE  
NUCLEAR MODELS  
ORDER-DISORDER TRANSFORMATIONS  
POLYATOMIC MOLECULES  
POLYMER  
POLYMER  
STRUCTURES  
UNIMOLECULAR STRUCTURES  
WISWESSER NOTATIONS

### MOLECULAR THEORY

- RT LIGHTHILL GAS MODEL
- ∞ THEORIES

### MOLECULAR TRAJECTORIES

- GS TRAJECTORIES
- RT GAS FLOW

### MOLECULAR WEIGHT

- GS MOLECULAR WEIGHT
  - . LOW MOLECULAR WEIGHTS
- RT MOLECULES  
MONATOMIC MOLECULES  
POLYATOMIC MOLECULES  
WEIGHT (MASS)

### MOLECULES

- UF MACROMOLECULES
- GS MOLECULES
  - . MONATOMIC MOLECULES
  - . POLYATOMIC MOLECULES
  - . . . DIATOMIC MOLECULES
  - . . . TRIATOMIC MOLECULES
- RT ATOMS  
CHEMICAL BONDS
- ∞ CHEMICAL COMPOUNDS  
IONS  
LOW MOLECULAR WEIGHTS  
MOLECULAR BEAMS  
MOLECULAR STRUCTURE  
MOLECULAR WEIGHT

### MOLES

- GS ANIMALS
  - . VERTEBRATES
  - . . . MAMMALS
  - . . . MOLES

### MOLIERE FORMULA

- USE COSMIC RAY SHOWERS  
SECONDARY COSMIC RAYS  
SPATIAL DISTRIBUTION

### MOLLIER DIAGRAM

- UF ENTHALPY-ENTROPY DIAGRAMS
- GS CHARTS
  - . GRAPHS (CHARTS)
  - . . . MOLLIER DIAGRAM
- RT ENTHALPY  
ENTROPY  
EQUATIONS OF STATE  
IDEAL FLUIDS  
ISENTROPE  
THERMODYNAMICS

### MOLLUSKS

- GS ANIMALS
  - . INVERTEBRATES
  - . . . MOLLUSKS
  - . . . CEPHALOPODS
  - . . . OCTOPUSES
  - . . . SNAILS
- RT SHELLFISH

### MOLNIYA SATELLITES

- GS ARTIFICIAL SATELLITES
  - . COMMUNICATION SATELLITES
  - . . . MOLNIYA SATELLITES
  - . . . SOVIET SATELLITES
  - . . . MOLNIYA SATELLITES
- RT ELECTRIC DISCHARGES  
RADIO RELAY SYSTEMS  
SATELLITE NETWORKS  
TELECOMMUNICATION

### MOLNIYA SATELLITES-(CONT.)

- TELEVISION TRANSMISSION  
U.S.S.R. SPACE PROGRAM

### MOLTEN SALT ELECTROLYTES

- GS CONDUCTORS
  - . ELECTROLYTES
  - . . . MOLTEN SALT ELECTROLYTES

### MOLTEN SALT NUCLEAR REACTORS

- UF MSRE REACTORS
- GS NUCLEAR REACTORS
  - . . . MOLTEN SALT NUCLEAR REACTORS
- RT ∞ REACTORS

### MOLTEN SALTS

- RT HALIDES  
HALITES  
INORGANIC COMPOUNDS  
NITRIDES  
SALT BATHS
- ∞ SALTS  
SODIUM CHLORIDES

### MOLTING

- RT PHENOLOGY  
SHEDDING

### MOLYBDATES

- GS MOLYBDENUM COMPOUNDS
  - . . . MOLYBDATES
  - . . . LEAD MOLYBDATES

### MOLYBDENUM

- GS CHEMICAL ELEMENTS
  - . . . MOLYBDENUM
  - METALS
  - . REFRACTORY METALS
  - . . . MOLYBDENUM
  - . . . TRANSITION METALS
  - . . . MOLYBDENUM
  - REFRACTORY MATERIALS
  - . REFRACTORY METALS
  - . . . MOLYBDENUM
- RT MOLYBDENUM ISOTOPES

### MOLYBDENUM ALLOYS

- GS ALLOYS
  - . HEAT RESISTANT ALLOYS
  - . . . REFRACTORY METAL ALLOYS
  - . . . MOLYBDENUM ALLOYS
  - . . . RENE 41
  - . . . RENE 63
  - . . . RENE 77
  - REFRACTORY MATERIALS
  - . REFRACTORY METAL ALLOYS
  - . . . MOLYBDENUM ALLOYS
  - . . . RENE 41
  - . . . RENE 63
  - . . . RENE 77
- RT HASTELLOY (TRADEMARK)  
MULBERRY (ALLOY)  
PERMALLOYS (TRADEMARK)  
STAINLESS STEELS

### MOLYBDENUM CARBIDES

- GS CARBON COMPOUNDS
  - . CARBIDES
  - . . . MOLYBDENUM CARBIDES

### MOLYBDENUM COMPOUNDS

- GS MOLYBDENUM COMPOUNDS
  - . MOLYBDATES
  - . . . LEAD MOLYBDATES
  - . . . MOLYBDENUM DISULFIDES
  - . . . MOLYBDENUM OXIDES
- RT ∞ CHEMICAL COMPOUNDS
- ∞ GROUP 6B COMPOUNDS
- ∞ METAL COMPOUNDS

### MOLYBDENUM DISULFIDES

- GS CHALCOGENIDES
  - . SULFIDES
  - . . . INORGANIC SULFIDES
  - . . . MOLYBDENUM SULFIDES
  - . . . MOLYBDENUM DISULFIDES
  - MOLYBDENUM COMPOUNDS
  - . . . MOLYBDENUM DISULFIDES
  - SULFUR COMPOUNDS
  - . SULFIDES
  - . . . INORGANIC SULFIDES
  - . . . MOLYBDENUM SULFIDES
  - . . . MOLYBDENUM DISULFIDES

## MONOCHROMATORS

### MOLYBDENUM ISOTOPES

- GS CHEMICAL ELEMENTS
  - . NUCLIDES
  - . ISOTOPES
  - . . . . **MOLYBDENUM ISOTOPES**
- RT MOLYBDENUM

### MOLYBDENUM OXIDES

- GS CHALCOGENIDES
  - . OXIDES
  - . . METAL OXIDES
  - . . . . **MOLYBDENUM OXIDES**
- MOLYBDENUM COMPOUNDS
  - . **MOLYBDENUM OXIDES**

### MOLYBDENUM SULFIDES

- GS CHALCOGENIDES
  - . SULFIDES
  - . . INORGANIC SULFIDES
  - . . . . **MOLYBDENUM SULFIDES**
  - . . . . MOLYBDENUM DISULFIDES
- SULFUR COMPOUNDS
  - . SULFIDES
  - . . INORGANIC SULFIDES
  - . . . . **MOLYBDENUM SULFIDES**
  - . . . . MOLYBDENUM DISULFIDES

### MOM (SEMICONDUCTORS)

- UF METAL-OXIDE-METAL SEMICONDUCTORS
- GS SEMICONDUCTORS (MATERIALS)
  - . **MOM (SEMICONDUCTORS)**
- RT ION IMPLANTATION

### MOMENT DISTRIBUTION

- GS DISTRIBUTION (PROPERTY)
  - . **MOMENT DISTRIBUTION**
- RT ANGULAR DISTRIBUTION
  - . FORCE DISTRIBUTION
  - . INFLUENCE COEFFICIENT
  - . LOADING MOMENTS
  - . LOADS (FORCES)
  - . MASS DISTRIBUTION
  - . METHOD OF MOMENTS
  - . MOMENTS
  - . MOMENTS OF INERTIA
  - . PRESSURE DISTRIBUTION
  - . STATIC LOADS
  - . STRESS CONCENTRATION
  - . STRUCTURAL ANALYSIS
  - . STRUCTURAL DESIGN CRITERIA

### MOMENTS

- GS **MOMENTS**
  - . BENDING MOMENTS
  - . DIPOLE MOMENTS
  - . . ELECTRIC MOMENTS
  - . . MAGNETIC MOMENTS
  - . DISTRIBUTION MOMENTS
  - . . MEAN
  - . . ORTHOGONALITY
  - . . STANDARD DEVIATION
  - . LOADING MOMENTS
  - . MOMENTS OF INERTIA
  - . STABILITY DERIVATIVES
  - . . PITCHING MOMENTS
  - . . ROLLING MOMENTS
  - . . YAWING MOMENTS
  - . TORQUE
- RT METHOD OF MOMENTS
  - . MODE (STATISTICS)
  - . MOMENT DISTRIBUTION
  - . MOMENTUM
  - . SKEWNESS
  - . TORSION
  - . VARIANCE (STATISTICS)

### MOMENTS OF INERTIA

- UF INERTIA MOMENTS
- GS MOMENTS
  - . **MOMENTS OF INERTIA**
- RT ANGULAR MOMENTUM
  - . CENTER OF GRAVITY
  - . CENTER OF PRESSURE
  - . CENTROIDS
  - . EQUATIONS OF MOTION
  - . EULER EQUATIONS OF MOTION
  - . INERTIA
  - . INERTIA PRINCIPLE
  - . MACH INERTIA PRINCIPLE
  - . MASS
  - . MASS DISTRIBUTION
  - . MOMENT DISTRIBUTION
  - . PITCHING MOMENTS
  - . ROLLING MOMENTS
  - . STABILITY DERIVATIVES

### MOMENTS OF INERTIA-(CONT.)

- . STRESS ANALYSIS
- . STRUCTURAL STRAIN
- . TORQUE
- . YAWING MOMENTS

### MOMENTUM

- GS **MOMENTUM**
  - . ANGULAR MOMENTUM
- RT CLASSICAL MECHANICS
  - . DE BROGLIE WAVELENGTHS
  - . . DYNAMICS
  - . . MOMENTS
  - . . MOTION
  - . MOTION AFTEREFFECTS
  - . PENDULUMS
  - . TURNING FLIGHT

### MOMENTUM ENERGY

- USE KINETIC ENERGY

### MOMENTUM THEORY

- RT CONSERVATION LAWS
  - . NEWTON SECOND LAW
  - . . THEORIES

### MOMENTUM TRANSFER

- RT . DYNAMICS
  - . ENERGY TRANSFER
  - . GAS-LIQUID INTERACTIONS
  - . HYDRODYNAMIC RAM EFFECT
  - . KINETIC THEORY
  - . KINETICS
  - . PRANDTL NUMBER
  - . TRANSFERRING

### MONACO

- GS NATIONS
  - . **MONACO**
- RT EUROPE

### MONATOMIC GASES

- UF ATOMIC GASES
- GS GASES
  - . **MONATOMIC GASES**
- RT CHAPMAN-ENSKOG THEORY
  - . MOLECULAR GASES
  - . RARE GASES
  - . REAL GASES

### MONATOMIC MOLECULES

- GS MOLECULES
  - . **MONATOMIC MOLECULES**
- RT ATOMS
  - . CHEMICAL BONDS
  - . . CHEMICAL COMPOUNDS
  - . IONS
  - . . LOW MOLECULAR WEIGHTS
  - . . MOLECULAR PHYSICS
  - . MOLECULAR STRUCTURE
  - . MOLECULAR WEIGHT
  - . POSITIVE IONS

### MONAURAL SIGNALS

- RT AUDIO EQUIPMENT
  - . AUDIO FREQUENCIES
  - . AUDITORY PERCEPTION
  - . AUDITORY SIGNALS
  - . LOUDSPEAKERS
  - . MICROPHONES
  - . SOUND TRANSMISSION

### MONAZITE SANDS

- GS PHOSPHORUS COMPOUNDS
  - . PHOSPHATES
  - . . **MONAZITE SANDS**
  - . SEDIMENTS
  - . . SANDS
  - . . **MONAZITE SANDS**
  - . SOILS
  - . . SANDS
  - . . **MONAZITE SANDS**
- RT MINERALS
  - . SEDIMENTARY ROCKS

### MONEL (TRADEMARK)

- GS ALLOYS
  - . NICKEL ALLOYS
  - . . **MONEL (TRADEMARK)**

### MONGE-AMPERE EQUATION

- GS ALGEBRA
  - . NONLINEAR EQUATIONS
  - . . **MONGE-AMPERE EQUATION**

### MONGE-AMPERE EQUATION-(CONT.)

- . ANALYSIS (MATHEMATICS)
  - . . REAL VARIABLES
  - . . DIFFERENTIAL EQUATIONS
  - . . . PARTIAL DIFFERENTIAL EQUATIONS
  - . . . . ELLIPTIC DIFFERENTIAL EQUATIONS
  - . . . . **MONGE-AMPERE EQUATION**
  - . . . . NONLINEAR EQUATIONS
  - . . . . **MONGE-AMPERE EQUATION**
- RT BOUNDARY VALUE PROBLEMS
  - . . EQUATIONS

### MONGOLIA

- GS NATIONS
  - . **MONGOLIA**
- RT ASIA

### MONITORS

- GS **MONITORS**
  - . INFRARED RADIOMETERS
- RT AIRCRAFT INSTRUMENTS
  - . ALARM PROJECT
  - . ANALYZERS
  - . CONICAL SCANNING
  - . COUNTERS
  - . DATA RECORDERS
  - . DETECTORS
  - . DISPLAY DEVICES
  - . ENVIRONMENTAL MONITORING
  - . GAS DETECTORS
  - . HELMET MOUNTED DISPLAYS
  - . IN-FLIGHT MONITORING
  - . . INSTRUMENTS
  - . . MEASUREMENT
  - . MEASURING INSTRUMENTS
  - . OPTICAL SCANNERS
  - . POLLUTION MONITORING
  - . RADIATION MEASURING INSTRUMENTS
  - . SCANNING
  - . WARNING
  - . WARNING SYSTEMS

### MONKEYS

- GS ANIMALS
  - . VERTEBRATES
  - . . MAMMALS
  - . . . PRIMATES
  - . . . . **MONKEYS**

### MONOCHROMATIC RADIATION

- SN (LIMITED TO ELECTROMAGNETIC RADIATION)
- GS ELECTROMAGNETIC RADIATION
  - . **MONOCHROMATIC RADIATION**
- RT BEAMS (RADIATION)
  - . BRILLOUIN EFFECT
  - . COHERENT ELECTROMAGNETIC RADIATION
  - . COHERENT LIGHT
  - . . FILTERS
  - . GAMMA RAYS
  - . INFRARED RADIATION
  - . IONIZING RADIATION
  - . LIGHT (VISIBLE RADIATION)
  - . LONG WAVE RADIATION
  - . MONOCHROMATIZATION
  - . MONOCHROMATORS
  - . POLARIZED ELECTROMAGNETIC RADIATION
  - . POLARIZED LIGHT
  - . . RADIATION
  - . . RADIO WAVES
  - . SHORT WAVE RADIATION
  - . ULTRAVIOLET RADIATION
  - . X RAYS

### MONOCHROMATIZATION

- UF INTERFERENCE MONOCHROMATIZATION
- RT MONOCHROMATIC RADIATION
  - . PARTICLE ENERGY
  - . POLARIZATION (WAVES)

### MONOCHROMATORS

- GS MEASURING INSTRUMENTS
  - . **MONOCHROMATORS**
  - . RADIATION SOURCES
  - . . **MONOCHROMATORS**
- RT COMPARATORS
  - . DUOCHROMATORS
  - . GONIOMETERS
  - . LIGHT SOURCES
  - . MONOCHROMATIC RADIATION
  - . OPTICAL EQUIPMENT
  - . OPTICAL MEASURING INSTRUMENTS

## MONOCOQUE STRUCTURES

### MONOCHROMATORS-(CONT.)

PHOTOGONIOMETERS  
SPECTROPHOTOMETERS

### MONOCOQUE STRUCTURES

RT  $\infty$  CYLINDERS  
SHELLS (STRUCTURAL FORMS)  
STRESSED-SKIN STRUCTURES  
 $\infty$  STRUCTURES

### MONOCRYSTALS

USE SINGLE CRYSTALS

### MONOCULAR VISION

GS VISION  
MONOCULAR VISION  
RT HUMAN FACTORS ENGINEERING  
MOTION PERCEPTION  
PERCEPTION  
SPACE PERCEPTION

### MONOETHANOLAMINE (MEA)

GS AMINES  
MONOETHANOLAMINE (MEA)

### MONOIDS

GS ALGEBRA  
GROUP THEORY  
HOMOMORPHISMS  
MONOIDS

### MONOLITHIC CIRCUITS

USE INTEGRATED CIRCUITS

### MONOMERS

RT DIBASIC COMPOUNDS  
DIMERS  
MOLECULAR CHAINS  
 $\infty$  POLYMERS  
PREPOLYMERS  
TRIMERS

### MONOMOLECULAR FILMS

GS SURFACE LAYERS  
MONOMOLECULAR FILMS  
THIN FILMS  
MONOMOLECULAR FILMS  
RT ENERGY ABSORPTION FILMS  
 $\infty$  FILMS  
INTEGRATED OPTICS  
 $\infty$  LAYERS  
MOLECULAR ELECTRONICS  
SURFACTANTS  
THIN LAYER CHROMATOGRAPHY

### MONOPLANES

GS MONOPLANES  
A-1 AIRCRAFT  
A-2 AIRCRAFT  
A-3 AIRCRAFT  
A-4 AIRCRAFT  
A-5 AIRCRAFT  
A-6 AIRCRAFT  
A-7 AIRCRAFT  
A-37 AIRCRAFT  
AN-2 AIRCRAFT  
AN-22 AIRCRAFT  
AN-24 AIRCRAFT  
ARGOSY MK-1 AIRCRAFT  
AVRO 707 AIRCRAFT  
B-26 AIRCRAFT  
B-47 AIRCRAFT  
B-50 AIRCRAFT  
B-52 AIRCRAFT  
B-57 AIRCRAFT  
B-58 AIRCRAFT  
B-66 AIRCRAFT  
B-70 AIRCRAFT  
BAC 111 AIRCRAFT  
BEECHCRAFT 18 AIRCRAFT  
BOEING 707 AIRCRAFT  
BOEING 720 AIRCRAFT  
BOEING 733 AIRCRAFT  
BOEING 737 AIRCRAFT  
BOEING 757 AIRCRAFT  
BOEING 767 AIRCRAFT  
BREGUET 940 AIRCRAFT  
BREGUET 941 AIRCRAFT  
BREGUET 1150 AIRCRAFT  
BUCCANEER AIRCRAFT  
C-2 AIRCRAFT  
C-33 AIRCRAFT  
C-35 AIRCRAFT  
C-46 AIRCRAFT  
C-47 AIRCRAFT  
C-54 AIRCRAFT  
C-118 AIRCRAFT  
C-121 AIRCRAFT  
C-123 AIRCRAFT  
C-124 AIRCRAFT  
C-130 AIRCRAFT  
C-131 AIRCRAFT  
C-133 AIRCRAFT  
C-135 AIRCRAFT  
C-140 AIRCRAFT  
C-141 AIRCRAFT  
C-160 AIRCRAFT  
CANBERRA AIRCRAFT  
CESSNA L-19 AIRCRAFT  
CESSNA 172 AIRCRAFT  
CESSNA 205 AIRCRAFT  
CESSNA 210 AIRCRAFT  
CESSNA 402B AIRCRAFT  
CL-41 AIRCRAFT  
CL-44 AIRCRAFT  
COMET 4 AIRCRAFT  
CV-340 AIRCRAFT  
CV-440 AIRCRAFT  
CV-880 AIRCRAFT  
CV-990 AIRCRAFT  
D-558 AIRCRAFT  
DC 3 AIRCRAFT  
DC 7 AIRCRAFT  
DC 8 AIRCRAFT  
DH 112 AIRCRAFT  
DH 115 AIRCRAFT  
DH 121 AIRCRAFT  
DH 125 AIRCRAFT  
DHC 2 AIRCRAFT  
DHC 4 AIRCRAFT  
DHC 5 AIRCRAFT  
DO-27 AIRCRAFT  
DO-28 AIRCRAFT  
DO-31 AIRCRAFT  
EC-121 AIRCRAFT  
ELECTRA AIRCRAFT  
F-2 AIRCRAFT  
F-5 AIRCRAFT  
F-8 AIRCRAFT  
F-9 AIRCRAFT  
F-17 AIRCRAFT  
F-27 AIRCRAFT  
F-28 TRANSPORT AIRCRAFT  
F-84 AIRCRAFT  
F-86 AIRCRAFT  
F-89 AIRCRAFT  
F-94 AIRCRAFT  
F-100 AIRCRAFT  
F-102 AIRCRAFT  
F-104 AIRCRAFT  
F-105 AIRCRAFT  
F-106 AIRCRAFT  
FD 2 AIRCRAFT  
G-1 AIRCRAFT  
G-91 AIRCRAFT  
G-95/4 AIRCRAFT  
G-222 AIRCRAFT  
GA-5 AIRCRAFT  
H-126 AIRCRAFT  
HFB-320 AIRCRAFT  
HP-115 AIRCRAFT  
HS-748 AIRCRAFT  
IL-14 AIRCRAFT  
IL-62 AIRCRAFT  
JET PROVOST AIRCRAFT  
JINDIVIK TARGET AIRCRAFT  
L-29 JET TRAINER  
LOCKHEED MODEL 18 AIRCRAFT  
MH-262 AIRCRAFT  
MIRAGE AIRCRAFT  
MIRAGE 3 AIRCRAFT  
MYSTERE 20 AIRCRAFT  
NORD 1500 AIRCRAFT  
OV-1 AIRCRAFT  
OV-10 AIRCRAFT  
P-3 AIRCRAFT  
P-51 AIRCRAFT  
P-166 AIRCRAFT  
P-308 AIRCRAFT  
P-1052 AIRCRAFT  
P-1127 AIRCRAFT  
P-1154 AIRCRAFT  
PD-808 AIRCRAFT  
PHANTOM AIRCRAFT  
F-4 AIRCRAFT  
RB-50 AIRCRAFT  
RF-4 AIRCRAFT  
S-2 AIRCRAFT  
SAAB 105 AIRCRAFT

### MONOPLANES-(CONT.)

### MONOPLANES-(CONT.)

SC-1 AIRCRAFT  
SC-5 AIRCRAFT  
SC-7 AIRCRAFT  
SCIMITAR AIRCRAFT  
SE-210 AIRCRAFT  
SHACKLETON BOMBER  
T-2 AIRCRAFT  
T-28 AIRCRAFT  
T-33 AIRCRAFT  
T-37 AIRCRAFT  
T-38 AIRCRAFT  
T-39 AIRCRAFT  
TS-11 AIRCRAFT  
TSR-2 AIRCRAFT  
TU-104 AIRCRAFT  
TU-124 AIRCRAFT  
TU-134 AIRCRAFT  
U-2 AIRCRAFT  
U-10 AIRCRAFT  
VALIANT AIRCRAFT  
VC-10 AIRCRAFT  
VICTOR MK-1 AIRCRAFT  
VISCOUNT AIRCRAFT  
VJ-101 AIRCRAFT  
X-1 AIRCRAFT  
X-2 AIRCRAFT  
X-3 AIRCRAFT  
X-5 AIRCRAFT  
X-13 AIRCRAFT  
X-14 AIRCRAFT  
X-21 AIRCRAFT  
X-21A AIRCRAFT  
XC-142 AIRCRAFT  
XV-4 AIRCRAFT  
XV-5 AIRCRAFT  
YS-11 AIRCRAFT  
Z-37 AIRCRAFT  
RT AERODYNAMIC CONFIGURATIONS  
 $\infty$  AIRCRAFT  
AIRFOILS  
BIPLANES  
CARGO AIRCRAFT  
GLIDERS  
 $\infty$  LOW WING AIRCRAFT  
SEAPLANES  
TAILLESS AIRCRAFT  
WATER TAKEOFF AND LANDING  
AIRCRAFT  
WING PLANFORMS  
WING PROFILES  
 $\infty$  WINGED VEHICLES

### MONOPOLE ANTENNAS

UF SPIKE ANTENNAS  
GS ANTENNAS  
OMNIDIRECTIONAL ANTENNAS  
MONOPOLE ANTENNAS  
WHIP ANTENNAS  
RT ANTENNA DESIGN  
DIPOLE ANTENNAS  
LOOP ANTENNAS  
MONOPOLES  
 $\infty$  SPIKES

### MONOPOLES

GS MONOPOLES  
MAGNETIC MONOPOLES  
RT  $\infty$  DIPOLES  
MONOPOLE ANTENNAS  
MULTIPOLES  
 $\infty$  POLES

### MONOPROPELLANTS

GS FUELS  
MONOPROPELLANTS  
AEROZINE  
PROPELLANTS  
ROCKET PROPELLANTS  
LIQUID ROCKET PROPELLANTS  
MONOPROPELLANTS  
AEROZINE  
RT AIRCRAFT FUELS  
CHEMICAL FUELS  
GASEOUS ROCKET PROPELLANTS  
GELLED ROCKET PROPELLANTS  
METAL PROPELLANTS  
PLASTIC PROPELLANTS  
PROPELLANT DECOMPOSITION  
SLURRY PROPELLANTS  
SOLID ROCKET PROPELLANTS

### MONOPULSE ANTENNAS

GS ANTENNAS  
MONOPULSE ANTENNAS

**MONOPULSE ANTENNAS-(CONT.)**

RT DIRECTIONAL ANTENNAS  
PHASED ARRAYS  
WAVEGUIDE ANTENNAS

**MONOPULSE RADAR**

GS RADAR  
. PULSE RADAR  
. PULSE DOPPLER RADAR  
. . . **MONOPULSE RADAR**  
RT DOPPLER RADAR  
DUPLEXERS  
RADAR TRACKING  
TRACKING RADAR

**MONOSACCHARIDES**

GS ORGANIC COMPOUNDS  
. CARBOHYDRATES  
. . . SUGARS  
. . . **MONOSACCHARIDES**  
. . . . . HEXOSES  
. . . . . GALACTOSE  
. . . . . GLUCOSE  
. . . . . PENTOSE  
. . . . . RIBOSE  
. . . . . XYLOSE

**MONOSCOPES**

GS TELEVISION EQUIPMENT  
. **MONOSCOPES**  
RT CAMERA TUBES  
ELECTRON BEAMS  
IMAGE TUBES  
SECONDARY EMISSION  
∞ TEST EQUIPMENT

**MONOSTABLE MULTIVIBRATORS**

GS CIRCUITS  
. MULTIVIBRATORS  
. . **MONOSTABLE MULTIVIBRATORS**

**MONOTECTIC ALLOYS**

GS ALLOYS  
. **MONOTECTIC ALLOYS**  
RT COMPOSITE MATERIALS  
∞ MATRICES  
METAL MATRIX COMPOSITES  
METALS

**MONOTONE FUNCTIONS**

GS FUNCTIONS (MATHEMATICS)  
. **MONOTONE FUNCTIONS**  
RT ANALYSIS (MATHEMATICS)  
CALCULUS  
REAL VARIABLES

**MONOTONY**

RT BOREDOM  
LETHARGY  
SENSORY DEPRIVATION

**MONSOONS**

GS WIND (METEOROLOGY)  
. **MONSOONS**  
RT ANNUAL VARIATIONS  
ATMOSPHERIC CIRCULATION  
GROUND WIND  
PRECIPITATION (METEOROLOGY)  
SEA BREEZE

**MONTANA**

GS NATIONS  
. UNITED STATES  
. . **MONTANA**  
RT BIGHORN MOUNTAINS (MT-WY)  
MISSOURI RIVER (US)  
WILLISTON BASIN (NORTH AMERICA)  
YELLOWSTONE NATIONAL PARK  
(ID-MT-WY)

**MONTE CARLO METHOD**

GS ANALYSIS (MATHEMATICS)  
. NUMERICAL ANALYSIS  
. . **MONTE CARLO METHOD**  
RT DIFFUSION THEORY  
EXPECTANCY HYPOTHESIS  
GAME THEORY  
MARKOV CHAINS  
MATHEMATICAL MODELS  
∞ METHODOLOGY  
PROBABILITY THEORY  
RANDOM PROCESSES  
RANDOM WALK  
SIMULATION

**MONTE CARLO METHOD-(CONT.)**

STATISTICAL ANALYSIS  
STOCHASTIC PROCESSES  
TRANSPORT THEORY

**MONTEREY BAY (CA)**

GS BAYS (TOPOGRAPHIC FEATURES)  
. **MONTEREY BAY (CA)**  
RT CALIFORNIA  
PACIFIC OCEAN

**MONTH**

UF LUNATION  
RT CALENDARS  
TIME  
UNITS OF MEASUREMENT

**MONTICELLITE**

GS CALCIUM COMPOUNDS  
. **MONTICELLITE**  
MAGNESIUM COMPOUNDS  
. **MONTICELLITE**  
MINERALS  
. **MONTICELLITE**  
SILICON COMPOUNDS  
. SILICATES  
. . **MONTICELLITE**  
RT OLIVINE

**MONTMORILLONITE**

GS ALUMINUM COMPOUNDS  
. ALUMINUM SILICATES  
. . **MONTMORILLONITE**  
CLAYS  
. **MONTMORILLONITE**  
MINERALS  
. **MONTMORILLONITE**  
SILICON COMPOUNDS  
. SILICATES  
. . ALUMINUM SILICATES  
. . . **MONTMORILLONITE**  
RT BENTONITE

**MOODS**

RT EMOTIONAL FACTORS  
EMOTIONS  
PSYCHOLOGICAL EFFECTS  
PSYCHOLOGICAL FACTORS  
SENSORY FEEDBACK

**MOON**

GS CELESTIAL BODIES  
. NATURAL SATELLITES  
. . **MOON**  
RT EARTH-MOON SYSTEM  
LIGHT SOURCES  
LUNAR ATMOSPHERE  
LUNAR BASES  
LUNAR COMMUNICATION  
LUNAR COMPOSITION  
LUNAR CRATERS  
LUNAR CRUST  
LUNAR DUST  
LUNAR ECLIPSES  
LUNAR ENVIRONMENT  
LUNAR EVOLUTION  
LUNAR EXPLORATION  
LUNAR FAR SIDE  
LUNAR GEOLOGY  
LUNAR GRAVITATION  
LUNAR LANDING SITES  
LUNAR LIMB  
LUNAR LUMINESCENCE  
LUNAR MAGNETIC FIELDS  
LUNAR MAPS  
LUNAR OCCULTATION  
LUNAR ORBITS  
LUNAR PHASES  
LUNAR PHOTOGRAPHY  
LUNAR RAYS  
LUNAR SHADOW  
LUNAR SOIL  
LUNAR TEMPERATURE  
LUNAR TOPOGRAPHY  
SELENOGRAPHY  
SELENOLOGY

**MOON ILLUSION**

GS PSYCHOLOGICAL EFFECTS  
. ILLUSIONS  
. . **MOON ILLUSION**  
RT OPTICAL ILLUSION  
SENSORY FEEDBACK

**MOON-EARTH TRAJECTORIES**

GS TRAJECTORIES  
. SPACECRAFT TRAJECTORIES  
. . LUNAR TRAJECTORIES  
. . . **MOON-EARTH TRAJECTORIES**  
RT APOLLO 5 FLIGHT  
APOLLO 6 FLIGHT  
APOLLO 7 FLIGHT  
APOLLO 8 FLIGHT  
APOLLO 10 FLIGHT  
APOLLO 11 FLIGHT  
APOLLO 12 FLIGHT  
APOLLO 13 FLIGHT  
APOLLO 14 FLIGHT  
APOLLO 15 FLIGHT  
APOLLO 16 FLIGHT  
APOLLO 17 FLIGHT  
CIRCUMLUNAR TRAJECTORIES  
EARTH-MOON TRAJECTORIES  
GODDARD TRAJECTORY  
DETERMINATION SYSTEM  
LUNAR FLIGHT  
MASS DRIVERS (PAYLOAD DELIVERY)  
ORBITAL MECHANICS  
REENTRY TRAJECTORIES  
ROUND TRIP TRAJECTORIES  
TRANSFER ORBITS

**MOONQUAKES**

GS SEISMOLOGY  
. **MOONQUAKES**  
RT LUNAR GEOLOGY  
LUNAR TIDES  
PLANETARY QUAKE  
SELENOLOGY

**MOORING**

UF MOORINGS  
RT AIRPORTS  
ANCHORS (FASTENERS)  
FASTENERS  
∞ JOINING  
MATERIALS HANDLING  
MULTIPLE DOCKING ADAPTERS  
SPACECRAFT DOCKING

**MOORINGS**

USE MOORING

**MOPS (PROPULSION SYSTEMS)**

USE MAN OPERATED PROPULSION SYSTEMS

**MORAINES**

USE GLACIAL DRIFT

**MORALE**

RT CREATIVITY  
DISCIPLINING  
LEADERSHIP  
MOTIVATION  
PRODUCTIVITY  
PSYCHOLOGY  
RECREATION

**MOREHOUSE COMET**

GS CELESTIAL BODIES  
. COMETS  
. . **MOREHOUSE COMET**

**MORL**

USE MANNED ORBITAL LABORATORIES

**MORNING**

RT DAYTIME  
SUNRISE

**MOROCCO**

GS NATIONS  
. **MOROCCO**  
RT AFRICA

**MORPHINE**

GS BASES (CHEMICAL)  
. ALKALOIDS  
. . **MORPHINE**  
DRUGS  
. NARCOTICS  
. . **MORPHINE**  
NITROGEN COMPOUNDS  
. ALKALOIDS  
. . **MORPHINE**  
ORGANIC COMPOUNDS  
. CYCLIC COMPOUNDS  
. . HETEROCYCLIC COMPOUNDS



## MORPHOLOGICAL INDEXES

### MORPHINE-(CONT.)

... ALKALOIDS  
... MORPHINE

### MORPHOLOGICAL INDEXES

GS RATIOS  
INDEXES (RATIOS)  
... MORPHOLOGICAL INDEXES  
RT MORPHOLOGY

### MORPHOLOGY

GS MORPHOLOGY  
GEOMORPHOLOGY  
ISOMORPHISM  
LUNG MORPHOLOGY  
POLYMORPHISM  
RT ANATOMY  
∞ BIOLOGY  
DIFFERENTIATION (BIOLOGY)  
GEOLOGY  
HISTOLOGY  
∞ MATHEMATICS  
MORPHOLOGICAL INDEXES  
SHAPES  
VESTIBULES

### MORPHOTROPISM

USE ISOMORPHISM

### MORSE CODE

RT ∞ CODES  
COMMUNICATING  
KEYING  
RADIO TELEGRAPHY  
TELECOMMUNICATION

### MORSE POTENTIAL

RT DIATOMIC MOLECULES  
KINETIC THEORY  
POTENTIAL ENERGY

### MORTALITY

RT AGING (BIOLOGY)  
DEATH  
EXPIRATION  
LIFE SPAN  
MILLS RATIO

### MORTARS (MATERIAL)

RT ADMIXTURES  
BRICKS  
CEMENTS  
CERAMICS  
CONCRETES  
GROUT  
MASONRY  
PLASTERS  
REFRACTORIES

### MOS (JAPANESE SPACECRAFT)

USE JAPANESE SPACECRAFT

### MOS (SEMICONDUCTORS)

USE METAL OXIDE SEMICONDUCTORS

### MOSAICS

RT ASSEMBLIES  
DIFFRACTION  
FOCAL PLANE DEVICES  
∞ NETWORKS  
PHOTOGRAPHS

### MOSCOW

GS CITIES  
MOSCOW  
RT U.S.S.R.

### MOSFET

USE FIELD EFFECT TRANSISTORS

### MOSS (SPACE STATIONS)

USE SPACE STATIONS

### MOSSBAUER EFFECT

RT CRYSTAL LATTICES  
∞ EFFECTS  
ELECTROMAGNETIC ABSORPTION  
FLUORESCENCE  
GAMMA RAYS  
LASER INDUCED FLUORESCENCE  
RESONANCE SCATTERING  
RESONANT FREQUENCIES

### MOSSES

USE BRYOPHYTES

### MOT (ORBITAL TELESCOPES)

USE MANNED ORBITAL TELESCOPES

### MOTHS

GS ANIMALS  
INVERTEBRATES  
ARTHROPODS  
INSECTS  
MOTHS  
SILKWORMS  
RT BOLLWORMS  
INFESTATION

### MOTILITY

USE LOCOMOTION

### ∞ MOTION

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*

UF MOVEMENT  
RT ACCELERATION (PHYSICS)  
ATTITUDE (INCLINATION)  
BROWNIAN MOVEMENTS  
DISPLACEMENT  
DOMAIN WALL  
GLIDING  
GYRATION  
HARMONIC MOTION  
HEAD MOVEMENT  
HEAVING  
HIGH ACCELERATION  
IMMOBILIZATION  
INERTIA  
ION MOTION  
IONIC MOBILITY  
KINEMATICS  
LIBRATION  
MOMENTUM  
NUTATION  
ORBITS  
OSCILLATIONS  
OSCILLATORS  
PARTICLE MOTION  
PARTICLE TRAJECTORIES  
PITCH (INCLINATION)  
ROTATION  
SACCADIC EYE MOVEMENTS  
SOLAR ORBITS  
SPACECRAFT MOTION  
SPACECRAFT TRAJECTORIES  
STELLAR MOTIONS  
SWARMING  
TEETERING  
TRANSIT TIME  
TRANSLATIONAL MOTION  
TUMBLING MOTION  
TURBULENCE  
VELOCITY  
VERTICAL MOTION  
VERTICAL MOTION SIMULATORS  
VIBRATION  
VISCOSITY  
YAW

### MOTION AFTEREFFECTS

RT EQUATIONS OF MOTION  
KINETICS  
MOMENTUM

### MOTION EQUATIONS

USE EQUATIONS OF MOTION

### MOTION PERCEPTION

GS PERCEPTION  
MOTION PERCEPTION  
RT BINOCULAR VISION  
MONOCULAR VISION  
VISUAL PERCEPTION

### MOTION PICTURES

UF CINEFLUOROGRAPHY  
CINERADIOGRAPHY  
PHOTOGRAPHS  
MOTION PICTURES  
RT ANIMATION  
CHRONOPHOTOGRAPHY  
CINEMATOGRAPHY  
COMPUTER ANIMATION  
GRAPHIC ARTS  
PROJECTORS  
SUPPLEMENTS

### MOTION PICTURES-(CONT.)

VIDEO EQUIPMENT

### MOTION SICKNESS

UF AIR SICKNESS  
RT ACCELERATION STRESSES  
(PHYSIOLOGY)  
AEROSPACE MEDICINE  
HEAD MOVEMENT  
NAUSEA  
SPACE ADAPTATION SYNDROME  
VOMITING

### MOTION SICKNESS DRUGS

GS DRUGS  
MOTION SICKNESS DRUGS  
RT PHARMACOLOGY

### MOTION SIMULATION

GS HUMAN FACTORS ENGINEERING  
MOTION SIMULATION  
SIMULATION  
MOTION SIMULATION  
RT FLIGHT SIMULATION  
FLIGHT SIMULATORS  
MOTION SIMULATORS

### MOTION SIMULATORS

GS SIMULATORS  
MOTION SIMULATORS  
RT COMPUTERIZED SIMULATION  
CONTROL SIMULATION  
FLIGHT SIMULATORS  
MOTION SIMULATION  
SPACE ENVIRONMENT SIMULATION  
TEST FACILITIES

### MOTION STABILITY

GS DYNAMIC CHARACTERISTICS  
DYNAMIC STABILITY  
MOTION STABILITY  
AERODYNAMIC STABILITY  
AIRCRAFT STABILITY  
HOVERING STABILITY  
ATTITUDE STABILITY  
DIRECTIONAL STABILITY  
GYROSCOPIC STABILITY  
LATERAL STABILITY  
LONGITUDINAL STABILITY  
FLOW STABILITY  
BOUNDARY LAYER STABILITY  
FLAME STABILITY  
MAGNETOHYDRODYNAMIC  
STABILITY  
WEIBEL INSTABILITY  
LOW SPEED STABILITY  
ROTARY STABILITY  
GYROSCOPIC STABILITY  
SPACECRAFT STABILITY  
STABILITY  
DYNAMIC STABILITY  
MOTION STABILITY  
AERODYNAMIC STABILITY  
AIRCRAFT STABILITY  
HOVERING STABILITY  
ATTITUDE STABILITY  
DIRECTIONAL STABILITY  
GYROSCOPIC STABILITY  
LATERAL STABILITY  
LONGITUDINAL STABILITY  
FLOW STABILITY  
BOUNDARY LAYER STABILITY  
FLAME STABILITY  
MAGNETOHYDRODYNAMIC  
STABILITY  
WEIBEL INSTABILITY  
LOW SPEED STABILITY  
ROTARY STABILITY  
GYROSCOPIC STABILITY  
SPACECRAFT STABILITY  
RT COMBUSTION STABILITY  
CONTROL STABILITY  
DYNAMIC TESTS  
ROUGHNESS  
SEA KEEPING  
SPACECRAFT MOTION  
STABLE OSCILLATIONS  
SURFACE STABILITY

### MOTIVATION

GS MOTIVATION  
CONTRACT INCENTIVES  
RT ∞ DRIVES  
INCENTIVES  
LEARNING

**MOTIVATION-(CONT.)**

MORALE  
 REINFORCEMENT (PSYCHOLOGY)  
 SELF STIMULATION  
 ∞ STIMULI

**MOTOR SYSTEMS (BIOLOGY)**

USE EFFERENT NERVOUS SYSTEMS

**MOTOR VEHICLES**

GS SURFACE VEHICLES  
 . **MOTOR VEHICLES**  
 . . AUTOMATED MIXED TRAFFIC VEHICLES  
 . . AUTOMOBILES  
 . . . ELECTRIC AUTOMOBILES  
 . . . ELECTRIC MOTOR VEHICLES  
 . . TRACTORS  
 . . . CRAWLER TRACTORS  
 . . . TRACKED VEHICLES  
 . . TRUCKS  
 . . . TANK TRUCKS  
 RT TRANSPORTATION  
 ∞ VEHICLES

**MOTORS**

SN (LIMITED TO MACHINES SUPPLIED WITH EXTERNAL ENERGY WHICH IS CONVERTED INTO FORCE AND/OR MOTION-SEE ENGINES FOR MACHINES WITH SELF-CONTAINED POWER SOURCES)  
 GS **MOTORS**  
 . ELECTRIC MOTORS  
 . . ASYNCHRONOUS MOTORS  
 . . INDUCTION MOTORS  
 . . MICROMOTORS  
 . . STEPPING MOTORS  
 . . SYNCHRONOUS MOTORS  
 . . TORQUE MOTORS  
 . SERVOMOTORS  
 RT APOGEE BOOST MOTORS  
 ∞ ELECTRIC EQUIPMENT  
 ENERGY CONVERSION EFFICIENCY  
 ENGINES  
 ∞ GENERATORS  
 HYDRAULIC EQUIPMENT  
 STATORS

**MOTS (TRACKING SYSTEM)**

USE MINITRACK SYSTEM

**MOUNTAIN INHABITANTS**

GS COMMUNITIES  
 . INHABITANTS  
 . . **MOUNTAIN INHABITANTS**  
 RT ALTITUDE ACCLIMATIZATION  
 HIGH ALTITUDE ENVIRONMENTS  
 LOW TEMPERATURE ENVIRONMENTS

**MOUNTAINS**

GS LANDFORMS  
 . **MOUNTAINS**  
 . . ADIRONDACK MOUNTAINS (NY)  
 . . ALPS MOUNTAINS (EUROPE)  
 . . ANDES MOUNTAINS (SOUTH AMERICA)  
 . . APPALACHIAN MOUNTAINS (NORTH AMERICA)  
 . . BIGHORN MOUNTAINS (MT-WY)  
 . . BLACK HILLS (SD-WY)  
 . . CARPATHIAN MOUNTAINS (EUROPE)  
 . . CASCADE RANGE (CA-OR-WA)  
 . . CAUCASUS MOUNTAINS (U.S.S.R.)  
 . . COASTAL RANGES (CA)  
 . . GREAT SMOKY MOUNTAINS (NC-TN)  
 . . HIMALAYAS  
 . . PENINSULAR RANGES (CA)  
 . . PYRENEES MOUNTAINS (EUROPE)  
 . . ROCKY MOUNTAINS (NORTH AMERICA)  
 . . SAN JUAN MOUNTAINS (CO)  
 . . SIERRA NEVADA MOUNTAINS (CA)  
 . . WIND RIVER RANGE (WY)  
 . . WRANGELL MOUNTAINS (AK)  
 RT CENTRAL PIEDMONT (US)  
 CIRQUES (LANDFORMS)  
 CONES (VOLCANOES)  
 CONTINENTS  
 DIVIDES (LANDFORMS)  
 FORMATIONS  
 GAPS (GEOLOGY)  
 GEOMORPHOLOGY  
 HIGHLANDS  
 MARS VOLCANOES

**MOUNTAINS-(CONT.)**

MASSIFS  
 MESAS  
 OROGRAPHY  
 ∞ PEAKS  
 . PEAKS (LANDFORMS)  
 . PIEDMONTS  
 . PIKE'S PEAK (CO)  
 ∞ RIDGES  
 . TERRACES (LANDFORMS)  
 . VOLCANOES  
 . VOLCANOLOGY  
 . WATERSHEDS

**MOUNTING**

GS **MOUNTING**  
 . RIGID MOUNTING  
 RT ASSEMBLING  
 ∞ ATTACHMENT  
 . BRACKETS  
 ∞ JOINING  
 . SUSPENDING (HANGING)

**MOUNTS**

USE SUPPORTS

**MOUTH**

GS ANATOMY  
 . DIGESTIVE SYSTEM  
 . . **MOUTH**  
 . . FACE (ANATOMY)  
 . . **MOUTH**  
 . . . LIPS (ANATOMY)  
 RT SALIVARY GLANDS  
 TEETH  
 TONGUE

**MOVEMENT**

USE MOTION

**MOVING TARGET INDICATORS**

UF MTI RADAR  
 GS RADAR  
 . **MOVING TARGET INDICATORS**  
 RT CANCELLATION CIRCUITS  
 COHERENT RADAR  
 DOPPLER RADAR  
 OVER-THE-HORIZON RADAR  
 RADAR CROSS SECTIONS  
 RADAR TRACKING  
 TARGET ACQUISITION

**MOZAMBIQUE**

GS NATIONS  
 . **MOZAMBIQUE**  
 RT AFRICA

**MR-3 FLIGHT**

USE MERCURY MR-3 FLIGHT

**MRAC (SYSTEMS)**

USE MODEL REFERENCE ADAPTIVE CONTROL

**MRCA AIRCRAFT**

UF MULTI-ROLE COMBAT AIRCRAFT  
 TORNADO AIRCRAFT  
 RT ∞ AIRCRAFT  
 . ATTACK AIRCRAFT  
 . FIGHTER AIRCRAFT  
 ∞ MILITARY AIRCRAFT

**MRKOS COMET**

GS CELESTIAL BODIES  
 . COMETS  
 . . **MRKOS COMET**

**MSAT**

RT COMMUNICATION SATELLITES  
 GROUND STATIONS  
 LAND MOBILE SATELLITE SERVICE  
 MARITIME SATELLITES  
 MOBILE COMMUNICATION SYSTEMS  
 RADIO COMMUNICATION  
 RADIO RELAY SYSTEMS  
 SATELLITE TRANSMISSION

**MSBLS**

USE MICROWAVE SCANNING BEAM LANDING SYSTEM

**MSM (SEMICONDUCTORS)**

UF METAL-SEMICONDUCTOR-METAL SEMICONDUCTORS

**MULTI-ANODE MICROCHANNEL ARRAYS****MSM (SEMICONDUCTORS)-(CONT.)**

GS ELECTRONIC EQUIPMENT  
 . SOLID STATE DEVICES  
 . . SEMICONDUCTOR DEVICES  
 . . . **MSM (SEMICONDUCTORS)**  
 RT MIM DIODES  
 PHOTODIODES  
 SCHOTTKY DIODES  
 SEMICONDUCTOR JUNCTIONS  
 SIS (SEMICONDUCTORS)

**MSRE REACTORS**

USE MOLTEN SALT NUCLEAR REACTORS

**MTBF**

UF MEAN TIME BETWEEN FAILURES  
 GS TIME  
 . **MTBF**  
 RT DOWNTIME  
 FAILURE ANALYSIS  
 FAILURE MODES  
 LIFE (DURABILITY)  
 RATES (PER TIME)  
 RELIABILITY  
 STATISTICAL ANALYSIS

**MTF**

USE MODULATION TRANSFER FUNCTION

**MTI RADAR**

USE MOVING TARGET INDICATORS

**MUBIS (SCANNERS)**

USE MULTIPLE BEAM INTERVAL SCANNERS

**MUCOCELES**

GS CYSTS  
 . **MUCOCELES**  
 RT ∞ BLISTERS

**MUCUS**

GS BODY FLUIDS  
 . **MUCUS**  
 RT SALIVA

**MUD**

GS SEDIMENTS  
 . **MUD**  
 . SOILS  
 . **MUD**  
 RT ALLUVIUM  
 CLAYS  
 FANS (LANDFORMS)  
 GROUT  
 OCEAN BOTTOM  
 RAIN EROSION  
 SLUDGE  
 TIDAL FLATS

**MUFFLERS**

RT ACOUSTIC RETROFITTING  
 AIRCRAFT NOISE  
 ATTENUATORS  
 BAFFLES  
 DAMPING  
 ∞ DIFFUSERS  
 EXHAUST SYSTEMS  
 FURNACES  
 JET AIRCRAFT NOISE  
 NOISE (SOUND)  
 NOISE REDUCTION  
 ROCKET ENGINE NOISE  
 SILENCERS  
 SUPPRESSORS

**MULBERRY (ALLOY)**

GS ALLOYS  
 . **MULBERRY (ALLOY)**  
 RT ANTIMONY ALLOYS  
 MOLYBDENUM ALLOYS

**MULLITES**

RT ALUMINUM SILICATES  
 MINERALS

**MULTI-ANODE MICROCHANNEL ARRAYS**

GS ARRAYS  
 . **MULTI-ANODE MICROCHANNEL ARRAYS**  
 RT ANODES  
 MICROCHANNELS  
 RADIATION DETECTORS  
 SPACEBORNE TELESCOPES  
 TELESCOPES

## MULTI-ROLE COMBAT AIRCRAFT

**MULTI-ROLE COMBAT AIRCRAFT**  
USE MRCA AIRCRAFT

**MULTIBEAM ANTENNAS**  
RT BEAMS (RADIATION)  
SATELLITE ANTENNAS

**MULTICHANNEL COMMUNICATION**  
GS TELECOMMUNICATION  
MULTICHANNEL COMMUNICATION  
RT CODE DIVISION MULTIPLE ACCESS  
INTERFERENCE FACTOR TABLE  
MULTIPLE ACCESS  
RADIO TRANSMITTERS  
TELECONFERENCING  
TIME DIVISION MULTIPLE ACCESS

**MULTICHANNEL PLATES**  
USE MICROCHANNEL PLATES

**MULTIENGINE VEHICLES**  
RT AIRCRAFT  
B-1 AIRCRAFT  
LAUNCH VEHICLES  
LIGHT TRANSPORT AIRCRAFT  
MISSILE CONFIGURATIONS  
MISSILES  
MULTISTAGE ROCKET VEHICLES  
RECOVERABLE LAUNCH VEHICLES  
ROCKET VEHICLES  
VEHICLES

**MULTILAYER INSULATION**  
GS INSULATION  
MULTILAYER INSULATION  
INTERLAYERS  
MULTILAYER INSULATION  
RT COMPOSITE MATERIALS  
CRYOGENIC FLUID STORAGE  
FABRICS  
FOILS  
FOILS (MATERIALS)  
LAMINATES  
LAYERS  
METAL FOILS  
PLY ORIENTATION  
SANDWICH STRUCTURES  
SHEETS

**MULTILAYER STRUCTURES**  
USE LAMINATES

**MULTILOOP SYSTEMS**  
USE CASCADE CONTROL

**MULTIMISSION MODULAR SPACECRAFT**  
UF MMS  
RT BESS (SATELLITE)  
LANDSAT FOLLOW-ON MISSIONS  
SATELLITE NETWORKS  
SOLAR MAXIMUM MISSION

**MULTIMODE RESONATORS**  
GS RESONATORS  
MULTIMODE RESONATORS  
RT CAVITY RESONATORS  
MAGNETRONS  
PROPAGATION MODES

**MULTIPACTOR DISCHARGES**  
GS ELECTRIC CURRENT  
ELECTRIC DISCHARGES  
MULTIPACTOR DISCHARGES  
RT LINEAR ACCELERATORS  
PHOTOMULTIPLIER TUBES  
SECONDARY EMISSION  
SPARK GAPS

**MULTIPATH TRANSMISSION**  
GS TRANSMISSION  
ELECTROMAGNETIC WAVE  
TRANSMISSION  
RADIO TRANSMISSION  
MULTIPATH TRANSMISSION  
SIGNAL TRANSMISSION  
RADIO TRANSMISSION  
MULTIPATH TRANSMISSION  
RT CEPSTRAL ANALYSIS  
DIFFRACTION PATHS  
FERMAT PRINCIPLE  
MULTISTATIC RADAR  
OPTICAL PATHS  
PATHS  
RADIO WAVES

**MULTIPATH TRANSMISSION-(CONT.)**  
SOUND TRANSMISSION  
WAVE PROPAGATION

**MULTIPHASE FLOW**  
UF MIXED FLOW  
GS FLUID FLOW  
MULTIPHASE FLOW  
TWO PHASE FLOW  
RT CONICAL FLOW  
CRITICAL FLOW  
CROCCO-LEE THEORY  
FLOW DISTORTION  
FLOW MEASUREMENT  
GAS FLOW  
LAMINAR FLOW  
LIQUID FLOW  
MASS FLOW  
ORIFICE FLOW  
PIPE FLOW  
PRESSURE GRADIENTS  
SINGLE-PHASE FLOW  
SOLIDS FLOW  
STEADY FLOW  
STEAM FLOW  
SUBCRITICAL FLOW  
SUPERCRITICAL FLOW  
TURBULENT FLOW  
UNIFORM FLOW  
UNSTEADY FLOW

**MULTIPHOTON ABSORPTION**  
GS ENERGY ABSORPTION  
RADIATION ABSORPTION  
ELECTROMAGNETIC ABSORPTION  
MULTIPHOTON ABSORPTION  
RT ABSORPTION  
PHOTON ABSORPTIOMETRY

**MULTIPLE ACCESS**  
GS TELECOMMUNICATION  
MULTIPLE ACCESS  
ALOHA SYSTEM  
CODE DIVISION MULTIPLE ACCESS  
DEMAND ASSIGNMENT MULTIPLE ACCESS  
ACCESS  
FREQUENCY DIVISION MULTIPLE ACCESS  
TIME DIVISION MULTIPLE ACCESS  
TRANSMISSION  
SIGNAL TRANSMISSION  
DATA TRANSMISSION  
MULTIPLE ACCESS  
ALOHA SYSTEM  
CODE DIVISION MULTIPLE ACCESS  
FREQUENCY DIVISION MULTIPLE ACCESS  
ACCESS  
RT ACCESS CONTROL  
FREQUENCY DIVISION MULTIPLEXING  
MULTICHANNEL COMMUNICATION  
PACKET SWITCHING  
PULSE COMMUNICATION  
WIDEBAND COMMUNICATION

**MULTIPLE BEAM INTERVAL SCANNERS**  
UF MUBIS (SCANNERS)  
GS ANTENNAS  
MULTIPLE BEAM INTERVAL SCANNERS  
RT LINEAR ARRAYS  
RADAR SCANNING

**MULTIPLE DOCKING ADAPTERS**  
UF MDA  
GS ADAPTERS  
MULTIPLE DOCKING ADAPTERS  
RT AIRLOCK MODULES  
MOORING  
ORBITAL RENDEZVOUS  
SATURN WORKSHOPS  
SATURN 1 WORKSHOP  
SATURN 5 WORKSHOP  
SKYLAB 1  
SKYLAB 2  
SKYLAB 3  
SKYLAB 4  
SPACECRAFT DOCKING

**MULTIPLE FREQUENCY RADAR**  
USE MULTISPECTRAL RADAR

**MULTIPLE INSTRUCTION MULTIPLE DATA STREAM**  
USE MIMD (COMPUTERS)

**MULTIPLE OUTPUT PROGRAMS**  
GS COMPUTER PROGRAMS  
MULTIPLE OUTPUT PROGRAMS  
RT MULTIPROGRAMMING  
READOUT  
TIME SHARING

**MULTIPLE TARGET TRAJECTORY SYSTEMS**  
USE MATTS (SYSTEMS)

**MULTIPLETS**  
USE FINE STRUCTURE

**MULTIPLEX TRANSMISSION**  
USE MULTIPLEXING

**MULTIPLEXERS**  
USE MULTIPLEXING

**MULTIPLEXING**  
UF MULTIPLEX TRANSMISSION  
MULTIPLEXERS  
GS TRANSMISSION  
MULTIPLEXING  
CODE DIVISION MULTIPLEXING  
FREQUENCY DIVISION MULTIPLEXING  
TIME DIVISION MULTIPLEXING  
WAVELENGTH DIVISION  
MULTIPLEXING  
RT ACCESS CONTROL  
CARRIER FREQUENCIES  
CODE DIVISION MULTIPLE ACCESS  
DATA TRANSMISSION  
DEMULTIPLEXING  
FREQUENCY DIVISION MULTIPLE ACCESS  
PULSE COMMUNICATION  
RADIO TRANSMISSION  
SATELLITE TRANSMISSION  
SIGNAL TRANSMISSION

**MULTIPLICATION**  
GS NUMBER THEORY  
MULTIPLICATION  
RT ARITHMETIC  
COMPUTATION  
FRINGE MULTIPLICATION

**MULTIPLIER PHOTOTUBES**  
USE PHOTOMULTIPLIER TUBES

**MULTIPLIERS**  
GS MULTIPLIERS  
CHANNEL MULTIPLIERS  
LAGRANGE MULTIPLIERS  
RT LOGIC CIRCUITS  
PHOTOMULTIPLIER TUBES

**MULTIPOLAR FIELDS**  
RT CONTINUUM MECHANICS  
FIELD THEORY (PHYSICS)  
GRAVITATIONAL FIELDS  
MAGNETIC FIELDS  
MULTIPOLES

**MULTIPOLES**  
RT MONOPOLES  
MULTIPOLAR FIELDS

**MULTIPROCESSING (COMPUTERS)**  
GS DATA PROCESSING  
MULTIPROCESSING (COMPUTERS)  
RT ASSOCIATIVE PROCESSING (COMPUTERS)  
COMPUTERS  
CONCURRENT PROCESSING  
DATA PROCESSING EQUIPMENT  
HYPERCUBE MULTIPROCESSORS  
INTERPROCESSOR COMMUNICATION  
MULTIPROGRAMMING  
PARALLEL PROGRAMMING  
PIPELINING (COMPUTERS)  
REAL TIME OPERATION  
SUPERCOMPUTERS  
TIME SHARING

**MULTIPROGRAMMING**  
GS SOFTWARE ENGINEERING  
COMPUTER PROGRAMMING  
MULTIPROGRAMMING  
RT MACHINE-INDEPENDENT PROGRAMS  
MULTIPLE OUTPUT PROGRAMS  
MULTIPROCESSING (COMPUTERS)  
PIPELINING (COMPUTERS)

# MURCHISON METEORITE

## MULTIPROGRAMMING-(CONT.)

∞ PROGRAMMING  
TIME SHARING

## MULTIPROPELLANTS

USE ROCKET PROPELLANTS

## MULTIRADAR TRACKING

USE RADAR NETWORKS

## MULTISENSOR APPLICATIONS

RT IMAGE PROCESSING  
IMAGING TECHNIQUES  
PATTERN RECOGNITION  
REMOTE SENSING  
REMOTE SENSORS

## MULTISPECTRAL BAND CAMERAS

GS OPTICAL EQUIPMENT  
. CAMERAS  
. . . MULTISPECTRAL BAND CAMERAS  
PHOTOGRAPHIC EQUIPMENT  
. CAMERAS  
. . . MULTISPECTRAL BAND CAMERAS  
RT INFRARED PHOTOGRAPHY  
PHOTOGRAPHY

## MULTISPECTRAL BAND SCANNERS

GS OPTICAL EQUIPMENT  
. OPTICAL SCANNERS  
. . . MULTISPECTRAL BAND SCANNERS  
. . . THEMATIC MAPPERS (LANDSAT)  
SCANNERS  
. OPTICAL SCANNERS  
. . . MULTISPECTRAL BAND SCANNERS  
. . . THEMATIC MAPPERS (LANDSAT)  
RT BAND RATIOING  
CHANGE DETECTION  
COASTAL ZONE COLOR SCANNER  
EARTH OBSERVATIONS (FROM SPACE)  
IMAGING TECHNIQUES  
INFRARED SCANNERS  
OCEAN COLOR SCANNER  
PANORAMIC SCANNING  
PHOTOGRAPHY  
RADIOMETRIC CORRECTION  
RADIOMETRIC RESOLUTION  
SCANNING  
SPACEBORNE PHOTOGRAPHY  
SPECTRAL RECONNAISSANCE  
VEGETATIVE INDEX

## MULTISPECTRAL LINEAR ARRAYS

UF MLA  
GS ELECTRONIC EQUIPMENT  
. SOLID STATE DEVICES  
. . . MULTISPECTRAL LINEAR ARRAYS  
SPACECRAFT INSTRUMENTS  
. SATELLITE INSTRUMENTS  
. . . MULTISPECTRAL LINEAR ARRAYS  
RT ∞ DETECTORS  
∞ SENSORS

## MULTISPECTRAL PHOTOGRAPHY

GS PHOTOGRAPHY  
. MULTISPECTRAL PHOTOGRAPHY  
. . . INFRARED PHOTOGRAPHY  
. . . COLOR INFRARED PHOTOGRAPHY  
. . . RADAR PHOTOGRAPHY  
RT CHANGE DETECTION  
CROP IDENTIFICATION  
EARTH OBSERVATIONS (FROM SPACE)  
IMAGE RESOLUTION  
IMAGERY  
IMAGING TECHNIQUES  
I2S CAMERAS  
SPECTRAL RECONNAISSANCE

## MULTISPECTRAL RADAR

UF DUAL FREQUENCY RADAR  
MULTIPLE FREQUENCY RADAR  
GS RADAR  
. MULTISPECTRAL RADAR  
RT IMAGERY  
IMAGING TECHNIQUES  
SPECTRAL RECONNAISSANCE

## MULTISPECTRAL RESOURCE SAMPLER

GS ARTIFICIAL SATELLITES  
. MULTISPECTRAL RESOURCE SAMPLER  
RT REMOTE SENSING

## MULTISPECTRAL TRACKING TELESCOPES

GS TELESCOPES

## MULTISPECTRAL TRACKING-(CONT.)

. SPECTROSCOPIC TELESCOPES

. . . MULTISPECTRAL TRACKING

TELESCOPES

RT OPTICAL MEASURING INSTRUMENTS  
OPTICAL TRACKING  
TRACKING (POSITION)

## MULTISTAGE COMPRESSORS

USE TURBOCOMPRESSORS

## MULTISTAGE ROCKET VEHICLES

GS ROCKET VEHICLES  
. MULTISTAGE ROCKET VEHICLES  
. . . ABLESTAR LAUNCH VEHICLE  
. . . ANTARES ROCKET VEHICLE  
. . . ARGO ROCKET VEHICLES  
. . . ARIANE LAUNCH VEHICLE  
. . . ASTROBEE ROCKET VEHICLES  
. . . ASTROBEE 1500 ROCKET VEHICLE  
. . . ATHENA ROCKET VEHICLE  
. . . ATLAS LAUNCH VEHICLES  
. . . ATLAS ABLE 5 LAUNCH VEHICLE  
. . . ATLAS AGENA B LAUNCH VEHICLE  
. . . ATLAS AGENA LAUNCH VEHICLES  
. . . ATLAS CENTAUR LAUNCH VEHICLE  
. . . ATLAS SLV-3 LAUNCH VEHICLE  
. . . BERENICE ROCKET VEHICLE  
. . . BLACK KNIGHT ROCKET VEHICLE  
. . . BLUE SCOUT ROCKET VEHICLE  
. . . DIAMANT LAUNCH VEHICLE  
. . . ELDO LAUNCH VEHICLE  
. . . EXOS SOUNDING ROCKET  
. . . JAGUAR ROCKET VEHICLE  
. . . JAVELIN ROCKET VEHICLE  
. . . JUNO LAUNCH VEHICLES  
. . . JUNO 1 LAUNCH VEHICLE  
. . . JUNO 2 LAUNCH VEHICLE  
. . . JUPITER C ROCKET VEHICLE  
. . . KAPPA ROCKET VEHICLES  
. . . KAPPA 8 ROCKET VEHICLE  
. . . KAPPA 9 ROCKET VEHICLE  
. . . LAMBDA ROCKET VEHICLES  
. . . LITTLE JOE 2 LAUNCH VEHICLE  
. . . NIKE ROCKET VEHICLES  
. . . NIKE-APACHE ROCKET VEHICLE  
. . . NIKE-CAJUN ROCKET VEHICLE  
. . . NIKE-HYDAC ROCKET VEHICLE  
. . . NIKE-IROQUOIS ROCKET VEHICLE  
. . . NIKE-JAVELIN ROCKET VEHICLE  
. . . NIKE-TOMAHAWK ROCKET VEHICLE  
. . . NOVA LAUNCH VEHICLES  
. . . PHOENIX SOUNDING ROCKET  
. . . RAM B LAUNCH VEHICLE  
. . . RUBIS ROCKET VEHICLE  
. . . SATURN LAUNCH VEHICLES  
. . . SATURN D LAUNCH VEHICLE  
. . . SATURN 1 LAUNCH VEHICLES  
. . . . . SATURN 1 SA-1 LAUNCH VEHICLE  
. . . . . SATURN 1 SA-2 LAUNCH VEHICLE  
. . . . . SATURN 1 SA-3 LAUNCH VEHICLE  
. . . . . SATURN 1 SA-4 LAUNCH VEHICLE  
. . . . . SATURN 1 SA-5 LAUNCH VEHICLE  
. . . . . SATURN 1 SA-6 LAUNCH VEHICLE  
. . . . . SATURN 1 SA-7 LAUNCH VEHICLE  
. . . . . SATURN 1 SA-8 LAUNCH VEHICLE  
. . . . . SATURN 1 SA-9 LAUNCH VEHICLE  
. . . . . SATURN 1 SA-10 LAUNCH  
VEHICLE  
. . . SATURN 1B LAUNCH VEHICLES  
. . . SATURN 2 LAUNCH VEHICLES  
. . . SATURN 5 LAUNCH VEHICLES  
. . . SCOUT LAUNCH VEHICLE  
. . . SKYLARK ROCKET VEHICLE  
. . . THOR LAUNCH VEHICLES  
. . . THOR ABLE ROCKET VEHICLE  
. . . THOR AGENA LAUNCH VEHICLE  
. . . THOR DELTA LAUNCH VEHICLE  
. . . TITAN LAUNCH VEHICLES  
. . . TITAN 3 LAUNCH VEHICLE  
. . . VANGUARD 2 LAUNCH VEHICLE  
. . . VEGA LAUNCH VEHICLE  
. . . WASP SOUNDING ROCKET  
RT AIR LAUNCHING  
EXPENDABLE STAGES (SPACECRAFT)  
INTERIM STAGES (SPACECRAFT)  
LAUNCH VEHICLES  
MINUTEMAN ICBM  
MULTIENGINE VEHICLES  
NAVAHO MISSILE  
PAYLOAD MASS RATIO  
PERSHING MISSILE  
PIGGYBACK SYSTEMS  
POLARIS MISSILES  
PROPULSIVE EFFICIENCY

## MULTISTAGE ROCKET VEHICLES-(CONT.)

ROCKET ENGINES  
SS-11 MISSILE  
STAGE SEPARATION  
SUNBLAZER SPACE PROBE  
TALOS MISSILE  
TERRIER MISSILE  
TITAN ICBM  
TRAILBLAZER 1 REENTRY VEHICLE  
TRAILBLAZER 2 REENTRY VEHICLE  
UPPER STAGE ROCKET ENGINES  
∞ VEHICLES

## MULTISTATIC RADAR

UF BISTATIC RADAR  
GS RADAR  
. DOPPLER RADAR  
. . . MULTISTATIC RADAR  
. . . SURVEILLANCE RADAR  
. . . MULTISTATIC RADAR  
RT MULTIPATH TRANSMISSION  
PULSE RADAR  
RADAR DETECTION  
TARGET RECOGNITION

## MULTITEMPORAL ANALYSIS

USE TEMPORAL RESOLUTION

## MULTIVARIATE STATISTICAL ANALYSIS

GS STATISTICAL ANALYSIS  
. VARIANCE (STATISTICS)  
. . . MULTIVARIATE STATISTICAL  
ANALYSIS  
. . . BIVARIATE ANALYSIS  
. . . COVARIANCE  
. . . REGRESSION ANALYSIS  
RT ∞ ANALYZING  
CORRELATION  
DISCRIMINANT ANALYSIS (STATISTICS)  
∞ VARIANCE

## MULTIVIBRATORS

GS CIRCUITS  
. MULTIVIBRATORS  
. . . FLIP-FLOPS  
. . . MONOSTABLE MULTIVIBRATORS  
RT AMPLIFIERS  
BISTABLE CIRCUITS  
LOGIC CIRCUITS  
OSCILLATORS  
POSITIVE FEEDBACK  
SWITCHING CIRCUITS  
TRIGGER CIRCUITS

## MUON SPIN ROTATION

GS GYRATION  
. ROTATION  
. . . MUON SPIN ROTATION  
RT CHARGED PARTICLES  
HYPERFINE STRUCTURE  
MUONS  
PARTICLE DIFFUSION  
PARTICLE SPIN  
PRECESSION

## MUONIUM

RT ELECTRONS  
MESONS

## MUONS

GS PARTICLES  
. ELEMENTARY PARTICLES  
. . . BOSONS  
. . . MESONS  
. . . MUONS  
. . . FERMIONS  
. . . LEPTONS  
. . . MUONS  
. . . HADRONS  
. . . MESONS  
. . . MUONS  
. . . NUCLEAR PARTICLES  
. . . BOSONS  
. . . MESONS  
. . . MUONS  
RT BARYONS  
CHARGED PARTICLES  
ELECTRON DECAY RATE  
MUON SPIN ROTATION

## MURCHISON METEORITE

GS CELESTIAL BODIES  
. METEORITES  
. . . STONY METEORITES  
. . . CHONDRITES

## MURRAY METEORITE

### MURCHISON METEORITE-(CONT.)

- ... CARBONACEOUS CHONDRITES
- ... MURCHISON METEORITE

### MURRAY METEORITE

- GS CELESTIAL BODIES
- ... METEORITES
- ... STONY METEORITES
- ... CHONDRITES
- ... CARBONACEOUS METEORITES
- ... MURRAY METEORITE

### MUSCLE RELAXANTS

- GS DRUGS
- ... MUSCLE RELAXANTS

### MUSCLES

- GS ANATOMY
- ... MUSCULOSKELETAL SYSTEM
- ... MUSCLES
- ... CONSTRUCTORS
- ... FLEXORS
- ... TENDONS
- RT ALDOLASE
- ATAXIA
- CONGENERS
- CONVULSIONS
- ELECTROCARDIOGRAPHY
- FIBRILLATION
- HEART
- HYPODYNAMIA
- MUSCULAR FATIGUE
- MUSCULAR STRENGTH
- MUSCULAR TONUS
- MYOELECTRIC POTENTIALS
- MYOELECTRICITY
- MYOGLOBIN
- SPASMS
- TWITCHING

### MUSCOVITE

- GS ALUMINUM COMPOUNDS
- ... MUSCOVITE
- CHALCOGENIDES
- ... OXIDES
- ... SILICON OXIDES
- ... MUSCOVITE
- MINERALS
- ... MICA
- ... MUSCOVITE
- SILICON COMPOUNDS
- ... SILICON OXIDES
- ... MUSCOVITE

### MUSCULAR FATIGUE

- GS FATIGUE (BIOLOGY)
- ... MUSCULAR FATIGUE
- RT MUSCLES
- MUSCULOSKELETAL SYSTEM
- STRESS (PHYSIOLOGY)

### MUSCULAR FUNCTION

- GS MUSCULAR FUNCTION
- ... SPASMS
- RT CRAMPS
- ... FUNCTIONS
- HYPODYNAMIA
- HYPOKINESIA
- HYPOTONIA
- MECHANOGRAMS
- TWITCHING

### MUSCULAR STRENGTH

- RT MUSCLES
- MUSCULOSKELETAL SYSTEM
- ... STRENGTH

### MUSCULAR TONUS

- UF TONUS
- GS MUSCULAR TONUS
- ... HYPOTONIA
- RT EXERCISE PHYSIOLOGY
- MUSCLES

### MUSCULOSKELETAL SYSTEM

- UF SKELETON
- GS ANATOMY
- ... MUSCULOSKELETAL SYSTEM
- ... BONES
- ... FEMUR
- ... PELVIS
- ... SCAPULA
- ... SKULL
- ... CRANIUM

### MUSCULOSKELETAL SYSTEM-(CONT.)

- ... INTRACRANIAL CAVITY
- ... MASTOIDS
- ... SPINE
- ... VERTEBRAE
- ... STERNUM
- ... TIBIA
- ... ULNA
- ... CONNECTIVE TISSUE
- ... BONE MARROW
- ... CARTILAGE
- ... COLLAGENS
- ... JOINTS (ANATOMY)
- ... ELBOW (ANATOMY)
- ... KNEE (ANATOMY)
- ... WRIST
- ... MUSCLES
- ... CONSTRUCTORS
- ... FLEXORS
- ... TENDONS
- RT EXOSKELETONS
- HYPOKINESIA
- INTERVERTEBRAL DISKS
- MUSCULAR FATIGUE
- MUSCULAR STRENGTH
- SCIATIC REGION
- STRIATION
- ... SYSTEMS

### MUSEUMS

- RT ANTHROPOLOGY
- ARTIFACTS
- BUILDINGS
- COLLECTION
- HISTORIES
- LIBRARIES

### MUSHY ZONES

- UF LIQUID PLUS SOLID ZONES
- RT CASTING
- COOLING
- METALLOGRAPHY
- PHASE TRANSFORMATIONS
- SOLIDIFICATION

### MUSIC

- RT ARTS
- OCTAVES

### MUSKEGS

- GS LANDFORMS
- ... MUSKEGS
- RT ARCTIC REGIONS
- MARSHLANDS
- SOILS
- TOPOGRAPHY
- WATER

### MUSTANG AIRCRAFT

- USE P-51 AIRCRAFT

### MUTAGENS

- RT AIR POLLUTION
- BIOCHEMISTRY
- BIOLOGICAL EVOLUTION
- CELLS (BIOLOGY)
- CHEMICAL ANALYSIS
- GENETICS
- MUTATIONS

### MUTATIONS

- RT BIOLOGICAL EVOLUTION
- CELLS (BIOLOGY)
- CHROMOSOMES
- GENES
- GENETICS
- MITOSIS
- MUTAGENS
- NUCLEOGENESIS
- RADIATION HAZARDS

### MX MISSILE

- GS MISSILES
- ... SURFACE TO SURFACE MISSILES
- ... INTERCONTINENTAL BALLISTIC
- ... MISSILES
- ... MX MISSILE
- RT MISSILE SILOS

### MYELIN

- RT FATS
- LIPIDS
- NERVES
- NERVOUS SYSTEM

### MYELIN-(CONT.)

NEURONS

### MYLAR (TRADEMARK)

- GS POLYMERIC FILMS
- ... MYLAR (TRADEMARK)
- RT POLYETHYLENE TEREPHTHALATE
- ... POLYMERS

### MYOCARDIAL INFARCTION

- GS DISEASES
- ... HEART DISEASES
- ... INFARCTION
- ... MYOCARDIAL INFARCTION
- RT ARTERIOSCLEROSIS
- BLOOD COAGULATION
- CORONARY ARTERY DISEASE
- HYPERTENSION
- THROMBOSIS

### MYOCARDIUM

- GS ANATOMY
- ... CIRCULATORY SYSTEM
- ... CARDIOVASCULAR SYSTEM
- ... HEART
- ... MYOCARDIUM
- RT ANGINA PECTORIS

### MYOELECTRIC POTENTIALS

- GS MYOELECTRICITY
- ... MYOELECTRIC POTENTIALS
- RT MUSCLES
- ... POTENTIAL

### MYOELECTRICITY

- GS MYOELECTRICITY
- ... MYOELECTRIC POTENTIALS
- RT ELECTROMYOGRAPHY
- MUSCLES

### MYOGLOBIN

- GS BIOPOLYMERS
- ... PROTEINS
- ... MYOGLOBIN
- ORGANIC COMPOUNDS
- ... PROTEINS
- ... MYOGLOBIN
- RT MUSCLES
- PIGMENTS

### MYOPIA

- RT VISION

### MYSTERE 20 AIRCRAFT

- UF DASSAULT MYSTERE 20 AIRCRAFT
- GS DASSAULT AIRCRAFT
- ... MYSTERE 20 AIRCRAFT
- JET AIRCRAFT
- ... TURBOFAN AIRCRAFT
- ... MYSTERE 20 AIRCRAFT
- LIGHT AIRCRAFT
- ... MYSTERE 20 AIRCRAFT
- MONOPLANES
- ... MYSTERE 20 AIRCRAFT
- PASSENGER AIRCRAFT
- ... MYSTERE 20 AIRCRAFT
- TRANSPORT AIRCRAFT
- ... MYSTERE 20 AIRCRAFT

### MYSTERE 50 AIRCRAFT

- UF DASSAULT MYSTERE 50 AIRCRAFT
- RT DASSAULT AIRCRAFT
- JET AIRCRAFT
- LIGHT AIRCRAFT
- PASSENGER AIRCRAFT
- TRANSPORT AIRCRAFT
- TURBOFAN AIRCRAFT

## N

### N ELECTRONS

- GS PARTICLES
- ... CHARGED PARTICLES
- ... ENERGETIC PARTICLES
- ... ELECTRONS
- ... N ELECTRONS
- RT BETA PARTICLES

### N-N JUNCTIONS

- GS SEMICONDUCTOR JUNCTIONS
- ... N-N JUNCTIONS

## NASA SPACE PROGRAMS

### N-P JUNCTIONS

USE P-N JUNCTIONS

### N-P-N JUNCTIONS

GS SEMICONDUCTOR JUNCTIONS  
 . N-P-N JUNCTIONS  
 RT BIPOLAR TRANSISTORS

### N-TYPE SEMICONDUCTORS

GS SEMICONDUCTORS (MATERIALS)  
 . N-TYPE SEMICONDUCTORS  
 RT ELECTRONS  
 SCHOTTKY DIODES  
 SEMICONDUCTOR JUNCTIONS  
 SUHL EFFECT

### N-156 AIRCRAFT

USE F-5 AIRCRAFT

### NA-300 AIRCRAFT

USE OV-10 AIRCRAFT

### NACELLES

RT AERODYNAMIC CONFIGURATIONS  
 AIR INTAKES  
 AIRFRAMES  
 COWLINGS  
 DUCTED BODIES  
 ENGINE INLETS  
 EXTERNAL STORE SEPARATION  
 EXTERNAL STORES  
 EXTERNAL TANKS  
 FAIRINGS  
 HOUSINGS  
 NOSE INLETS  
 PERFORATED SHELLS  
 PODS (EXTERNAL STORES)  
 PROTUBERANCES  
 SHELLS (STRUCTURAL FORMS)  
 WING-FUSELAGE STORES

### NAKED SINGULARITIES

GS ANALYSIS (MATHEMATICS)  
 . COMPLEX VARIABLES  
 . SINGULARITY (MATHEMATICS)  
 . . . NAKED SINGULARITIES  
 RT ASTROPHYSICS  
 BLACK HOLES (ASTRONOMY)  
 COSMOLOGY  
 DEGENERATE MATTER  
 GRAVITATIONAL COLLAPSE  
 POINTS (MATHEMATICS)  
 RELATIVITY  
 SPACE-TIME FUNCTIONS  
 THEORETICAL PHYSICS  
 WHITE HOLES (ASTRONOMY)

### NAMC AIRCRAFT

USE NIHON AIRCRAFT

### NAMIBIA

UF SOUTH WEST AFRICA  
 RT AFRICA  
 NATIONS  
 REPUBLIC OF SOUTH AFRICA

### NAMING

GS NAMING  
 . NORMS  
 RT SPECIFICATIONS  
 STANDARDIZATION

### NAP-OF-THE-EARTH NAVIGATION

UF NOE NAVIGATION  
 GS NAVIGATION  
 . AIR NAVIGATION  
 . . . NAP-OF-THE-EARTH NAVIGATION  
 RT HELICOPTERS  
 IMAGE PROCESSING  
 LOW ALTITUDE  
 NIGHT FLIGHTS (AIRCRAFT)  
 NIGHT VISION  
 TARGET RECOGNITION  
 TERRAIN ANALYSIS  
 TERRAIN FOLLOWING AIRCRAFT

### NAPHTHALENE

GS ORGANIC COMPOUNDS  
 . CYCLIC COMPOUNDS  
 . . CYCLIC HYDROCARBONS  
 . . . NAPHTHALENE  
 . . . HYDROCARBONS  
 . . . CYCLIC HYDROCARBONS  
 . . . NAPHTHALENE

### NAPHTHENES

GS ORGANIC COMPOUNDS  
 . CYCLIC COMPOUNDS  
 . . CYCLIC HYDROCARBONS  
 . . . NAPHTHENES  
 . . . HYDROCARBONS  
 . . . CYCLIC HYDROCARBONS  
 . . . NAPHTHENES

### NAPPES

USE FOLDS (GEOLOGY)

### NARCOLEPSY

GS DISEASES  
 . NARCOLEPSY

### NARCOSIS

GS UNCONSCIOUSNESS  
 . NARCOSIS  
 RT . POISONING

### NARCOTICS

GS DRUGS  
 . NARCOTICS  
 . . MORPHINE  
 RT PENTOBARBITAL  
 PHENOBARBITAL  
 PSYCHOTROPIC DRUGS

### NARROWBAND

GS BANDWIDTH  
 . NARROWBAND  
 RT . BANDS  
 BROADBAND  
 FREQUENCIES

### NASA COMMUNICATION NETWORK

USE NASCOM NETWORK

### NASA END-TO-END DATA SYSTEM

USE NEEDS (DATA SYSTEM)

### NASA INTERACTIVE PLANNING SYSTEM

UF NIPS (SYSTEM)  
 RT COMPUTER PROGRAMS  
 EARTH RESOURCES  
 MANAGEMENT METHODS  
 NASA PROGRAMS  
 PROJECT PLANNING  
 RESOURCE ALLOCATION  
 RESOURCES MANAGEMENT  
 . . . SYSTEMS

### NASA PROGRAMS

GS PROGRAMS  
 . NASA PROGRAMS  
 . . ACEE PROGRAM  
 . . ASSESS PROGRAM  
 . . ATLIT PROJECT  
 . . DAST PROGRAM  
 . . NASA SPACE PROGRAMS  
 . . . APOLLO APPLICATIONS PROGRAM  
 . . . APOLLO PROJECT  
 . . . BIOASTRONAUTICAL ORBITAL  
 . . . SPACE SYSTEM  
 . . . CENTAUR PROJECT  
 . . . EARTH & OCEAN PHYSICS  
 . . . APPLICATIONS PROGRAM  
 . . . EARTH RESOURCES PROGRAM  
 . . . EARTH RESOURCES SURVEY  
 . . . PROGRAM  
 . . . SEASAT PROGRAM  
 . . . ECHO PROJECT  
 . . . GALILEO PROJECT  
 . . . GEMINI PROJECT  
 . . . HELIOS PROJECT  
 . . . JUPITER PROJECT  
 . . . MAGELLAN PROJECT (NASA)  
 . . . MARINER PROGRAM  
 . . . MARINER VENUS-MERCURY 1973  
 . . . MARINER-MERCURY 1973  
 . . . MARS 69 PROJECT  
 . . . MARS 71 PROJECT  
 . . . MERCURY PROJECT  
 . . . NATIONAL LAUNCH VEHICLE  
 . . . PROGRAM  
 . . . NEW MOONS PROJECT  
 . . . NIMBUS PROJECT  
 . . . OPEN PROJECT  
 . . . PIONEER PROJECT  
 . . . PROJECT SETI  
 . . . RANGER PROJECT  
 . . . AGENA B RANGER PROGRAM  
 . . . ROVER PROJECT

### NASA PROGRAMS-(CONT.)

. . . SAIL PROJECT  
 . . . SATURN PROJECT  
 . . . SCOUT PROJECT  
 . . . SKYLAB PROGRAM  
 . . . STARPROBE MISSION  
 . . . SURVEYOR PROJECT  
 . . . SYNCHRONOUS COMMUNICATIONS  
 . . . SATELLITE PROJ  
 . . . TEKTITE PROJECT  
 . . . TIROS PROJECT  
 . . . TITAN PROJECT  
 . . . VANGUARD PROJECT  
 . . . VIKING MARS PROGRAM  
 . . . VOYAGER PROJECT  
 . . . NATIONAL AEROSPACE PLANE  
 . . . PROGRAM  
 . . . QUIET ENGINE PROGRAM  
 . . . SUPERSONIC CRUISE AIRCRAFT  
 . . . RESEARCH  
 . . . TACT PROGRAM  
 . . . TERMINAL CONFIGURED VEHICLE  
 . . . PROGRAM  
 . . . TILT ROTOR RESEARCH AIRCRAFT  
 . . . PROGRAM  
 RT AGRISTARS PROJECT  
 APOLLO EXTENSION SYSTEM  
 CANADIAN SPACE PROGRAM  
 COMMITTEE ON SPACE RESEARCH  
 COMMUNICATIONS TECHNOLOGY  
 SATELLITE  
 DELAYED FLAP APPROACH  
 EARTH RESOURCES INFORMATION  
 SYSTEM  
 GARP ATLANTIC TROPICAL EXPERIMENT  
 GEOGRAPHIC APPLICATIONS PROGRAM  
 GLOBAL ATMOSPHERIC RESEARCH  
 PROGRAM  
 GRANTS  
 GRAVITY PROBE B  
 LANDSAT SATELLITES  
 LEASING  
 NASA INTERACTIVE PLANNING SYSTEM  
 NASTRAN  
 NOESS  
 OSS-1 PAYLOAD  
 PAYLOAD DEPLOYMENT & RETRIEVAL  
 SYSTEM  
 QUASAT  
 QUESTOL  
 . . . RESEARCH PROJECTS  
 . . . ROTOR SYSTEMS RESEARCH AIRCRAFT  
 . . . SEASAT SATELLITES  
 . . . SINGLE STAGE TO ORBIT VEHICLES  
 . . . SPACE PROGRAMS  
 . . . SPACE TRANSPORTATION SYSTEM  
 . . . SPACELAB  
 . . . SPHINX  
 . . . STARSITE PROGRAM  
 . . . STORMSAT SATELLITE  
 . . . SYNCHRONOUS EARTH OBSERVATORY  
 . . . SATELLITE  
 . . . TECHNOLOGY UTILIZATION  
 . . . TRANSIT NAVIGATION SYSTEM  
 . . . UNIVERSITY PROGRAM

### NASA SPACE PROGRAMS

GS PROGRAMS  
 . NASA PROGRAMS  
 . . NASA SPACE PROGRAMS  
 . . . APOLLO APPLICATIONS PROGRAM  
 . . . APOLLO PROJECT  
 . . . BIOASTRONAUTICAL ORBITAL  
 . . . SPACE SYSTEM  
 . . . CENTAUR PROJECT  
 . . . EARTH & OCEAN PHYSICS  
 . . . APPLICATIONS PROGRAM  
 . . . EARTH RESOURCES PROGRAM  
 . . . EARTH RESOURCES SURVEY  
 . . . PROGRAM  
 . . . SEASAT PROGRAM  
 . . . ECHO PROJECT  
 . . . GALILEO PROJECT  
 . . . GEMINI PROJECT  
 . . . HELIOS PROJECT  
 . . . JUPITER PROJECT  
 . . . MAGELLAN PROJECT (NASA)  
 . . . MARINER PROGRAM  
 . . . MARINER VENUS-MERCURY 1973  
 . . . MARINER-MERCURY 1973  
 . . . MARS 69 PROJECT  
 . . . MARS 71 PROJECT  
 . . . MERCURY PROJECT  
 . . . NATIONAL LAUNCH VEHICLE  
 . . . PROGRAM  
 . . . NEW MOONS PROJECT

## NASA STRUCTURAL ANALYSIS PROGRAM

### NASA SPACE PROGRAMS-(CONT.)

... NIMBUS PROJECT  
... OPEN PROJECT  
... PIONEER PROJECT  
... PROJECT SETI  
... RANGER PROJECT  
... AGENA B RANGER PROGRAM  
... ROVER PROJECT  
... SAIL PROJECT  
... SATURN PROJECT  
... SCOUT PROJECT  
... SKYLAB PROGRAM  
... STARPORBE MISSION  
... SURVEYOR PROJECT  
... SYNCHRONOUS COMMUNICATIONS  
... SATELLITE PROJ

... TEKTITE PROJECT

... TIROS PROJECT

... TITAN PROJECT

... VANGUARD PROJECT

... VIKING MARS PROGRAM

... VOYAGER PROJECT

SPACE PROGRAMS

#### NASA SPACE PROGRAMS

... APOLLO APPLICATIONS PROGRAM

... APOLLO PROJECT

... BIOASTRONAUTICAL ORBITAL

... SPACE SYSTEM

... CENTAUR PROJECT

... EARTH & OCEAN PHYSICS

... APPLICATIONS PROGRAM

... EARTH RESOURCES PROGRAM

... EARTH RESOURCES SURVEY

... PROGRAM

... SEASAT PROGRAM

... ECHO PROJECT

... GALILEO PROJECT

... GEMINI PROJECT

... HELIOS PROJECT

... JUPITER PROJECT

... MAGELLAN PROJECT (NASA)

... MARINER PROGRAM

... MARINER VENUS-MERCURY 1973

... MARINER-MERCURY 1973

... MARS 69 PROJECT

... MARS 71 PROJECT

... MERCURY PROJECT

... NATIONAL LAUNCH VEHICLE

... PROGRAM

... NEW MOONS PROJECT

... NIMBUS PROJECT

... OPEN PROJECT

... PIONEER PROJECT

... PROJECT SETI

... RANGER PROJECT

... AGENA B RANGER PROGRAM

... ROVER PROJECT

... SAIL PROJECT

... SATURN PROJECT

... SCOUT PROJECT

... SKYLAB PROGRAM

... STARPORBE MISSION

... SURVEYOR PROJECT

... SYNCHRONOUS COMMUNICATIONS

... SATELLITE PROJ

... TEKTITE PROJECT

... TIROS PROJECT

... TITAN PROJECT

... VANGUARD PROJECT

... VIKING MARS PROGRAM

... VOYAGER PROJECT

RT MANNED MARS MISSIONS

### NASA STRUCTURAL ANALYSIS PROGRAM

USE NASTRAN

### NASARR

USE NORTH AMERICAN SEARCH AND  
RANGING RADAR

### NASCOM NETWORK

UF NASA COMMUNICATION NETWORK

GS COMMUNICATING

... POINT TO POINT COMMUNICATION

... NASCOM NETWORK

... COMMUNICATION NETWORKS

... NASCOM NETWORK

RT FLEET SATELLITE COMMUNICATION

... SYSTEM

... GLOBAL TRACKING NETWORK

∞ NETWORKS

... RADIO COMMUNICATION

... TELECOMMUNICATION

### NASTRAN

UF NASA STRUCTURAL ANALYSIS  
PROGRAM

GS COMPUTER PROGRAMS

... APPLICATIONS PROGRAMS

... (COMPUTERS)

... NASTRAN

RT BENDING MOMENTS

... COMPUTER TECHNIQUES

... DYNAMIC LOADS

... FINITE ELEMENT METHOD

... MATRIX METHODS

... NASA PROGRAMS

... STRESS ANALYSIS

... STRUCTURAL ANALYSIS

### NATIONAL AEROSPACE PLANE PROGRAM

GS PROGRAMS

... NASA PROGRAMS

... NATIONAL AEROSPACE PLANE

... PROGRAM

RT AEROSPACE PLANES

... HYPERSONIC VEHICLES

... TRANSATMOSPHERIC VEHICLES

... X-30 VEHICLE

### NATIONAL AIRSPACE SYSTEM

RT AIR TRAFFIC CONTROL

... AIRCRAFT SAFETY

... AIRPORTS

... AIRSPACE

... NATIONAL AIRSPACE UTILIZATION

... SYSTEM

... NATIONAL AVIATION SYSTEM

### NATIONAL AIRSPACE UTILIZATION SYSTEM

RT AIR LAW

... AIR NAVIGATION

... AIR TRAFFIC

... AIR TRAFFIC CONTROL

... AIRCRAFT APPROACH SPACING

... AIRSPACE

... COLLISION AVOIDANCE

... FLIGHT PATHS

... FLIGHT PLANS

... FLIGHT RULES

... NATIONAL AIRSPACE SYSTEM

∞ SYSTEMS

### NATIONAL AVIATION SYSTEM

RT AIR TRAFFIC

... AIR TRAFFIC CONTROL

... AIR TRANSPORTATION

... AIRCRAFT APPROACH SPACING

... FLIGHT RULES

... LANDING AIDS

... NATIONAL AIRSPACE SYSTEM

∞ SYSTEMS

... TRAFFIC CONTROL

### NATIONAL LAUNCH VEHICLE PROGRAM

GS PROGRAMS

... NASA PROGRAMS

... NASA SPACE PROGRAMS

... NATIONAL LAUNCH VEHICLE

... PROGRAM

... SPACE PROGRAMS

... NASA SPACE PROGRAMS

... NATIONAL LAUNCH VEHICLE

... PROGRAM

RT LAUNCH VEHICLES

... LAUNCHERS

... LAUNCHING

... LAUNCHING SITES

### NATIONAL OCEANIC SATELLITE SYSTEM

RT ARTIFICIAL SATELLITES

... MARITIME SATELLITES

∞ SYSTEMS

### NATIONAL OPERATIONAL ENVIRONMENTAL SAT

SYS

USE NOESS

### NATIONAL PARKS

GS LAND

... PARKS

... NATIONAL PARKS

... YELLOWSTONE NATIONAL PARK

... (ID-MT-WY)

### NATIONAL SEVERE STORMS PROJECT

RT METEOROLOGY

... TORNADOES

### NATIONAL SEVERE STORMS PROJECT-(CONT.)

WARNING SYSTEMS

### NATIONS

GS

#### NATIONS

... AFGHANISTAN  
... ALBANIA  
... ALGERIA  
... ANDORRA  
... ANGOLA  
... ARGENTINA  
... AUSTRALIA  
... AUSTRIA  
... BAHAMAS  
... BAHRAIN  
... BANGLADESH  
... BARBADOS  
... BELGIUM  
... BELIZE  
... BENIN  
... BOLIVIA  
... BOTSWANA  
... BRAZIL  
... BRUNEI  
... BULGARIA  
... BURKINA  
... BURMA  
... BURUNDI  
... CAMBODIA  
... CAMEROON  
... CANADA  
... ALBERTA  
... BRITISH COLUMBIA  
... MANITOBA  
... NEW BRUNSWICK  
... NEWFOUNDLAND  
... NORTHWEST TERRITORIES  
... NOVA SCOTIA  
... ONTARIO  
... PRINCE EDWARD ISLAND  
... QUEBEC  
... SASKATCHEWAN  
... YUKON TERRITORY  
... CAPE VERDE  
... CENTRAL AFRICAN REPUBLIC  
... CHAD  
... CHILE  
... CHINA  
... COLOMBIA  
... CONGO (BRAZZAVILLE)  
... COSTA RICA  
... CUBA  
... CYPRUS  
... CZECHOSLOVAKIA  
... DENMARK  
... DOMINICA  
... DOMINICAN REPUBLIC  
... EAST GERMANY  
... ECUADOR  
... EGYPT  
... EL SALVADOR  
... ETHIOPIA  
... FINLAND  
... FRANCE  
... FRENCH GUIANA  
... GUADELOUPE  
... MARTINIQUE  
... GABON  
... GAMBIA  
... GHANA  
... GREECE  
... GUATEMALA  
... GUINEA  
... GUYANA  
... HAITI  
... HONDURAS  
... HUNGARY  
... ICELAND  
... INDIA  
... INDONESIA  
... IRAN  
... IRAQ  
... IRELAND  
... ISRAEL  
... ITALY  
... IVORY COAST  
... JAMAICA  
... JAPAN  
... JORDAN  
... KENYA  
... KUWAIT  
... LAOS  
... LEBANON  
... LESOTHO  
... LIBERIA  
... LIBYA

# NAVIER-STOKES EQUATION

## NATIONS-(CONT.)

. LIECHTENSTEIN  
. LUXEMBOURG  
. MALAGASY REPUBLIC  
. MALAWI  
. MALAYSIA  
. MALDIVE ISLANDS  
. MALI  
. MAURITANIA  
. MEXICO  
. MONACO  
. MONGOLIA  
. MOROCCO  
. MOZAMBIQUE  
. NEPAL  
. NETHERLANDS  
. NEW ZEALAND  
. NICARAGUA  
. NIGER  
. NIGERIA  
. NORTH KOREA  
. NORWAY  
. OMAN  
. PAKISTAN  
. PANAMA  
. PAPUA NEW GUINEA  
. PARAGUAY  
. PERU  
. PHILIPPINES  
. POLAND  
. PORTUGAL  
. REPUBLIC OF SOUTH AFRICA  
. ROMANIA  
. RWANDA  
. SAN MARINO  
. SAUDI ARABIA  
. SENEGAL  
. SIERRA LEONE  
. SIKKIM  
. SINGAPORE  
. SOMALIA  
. SOUTH KOREA  
. SOUTHERN YEMEN  
. SPAIN  
. . CANARY ISLANDS  
. SRI LANKA  
. SUDAN  
. SURINAM  
. SWAZILAND  
. SWEDEN  
. SWITZERLAND  
. SYRIA  
. TAIWAN  
. TANZANIA  
. THAILAND  
. TIBET  
. TOGO  
. TRINIDAD AND TOBAGO  
. TUNISIA  
. TURKEY  
. U.S.S.R.  
. UGANDA  
. UNITED ARAB EMIRATES  
. UNITED KINGDOM  
. . ENGLAND  
. . SCOTLAND  
. UNITED STATES  
. . ALABAMA  
. . ALASKA  
. . ARIZONA  
. . ARKANSAS  
. . CALIFORNIA  
. . COLORADO  
. . CONNECTICUT  
. . DELAWARE  
. . FLORIDA  
. . GEORGIA  
. . HAWAII  
. . IDAHO  
. . ILLINOIS  
. . INDIANA  
. . IOWA  
. . KANSAS  
. . KENTUCKY  
. . LOUISIANA  
. . MAINE  
. . MARYLAND  
. . MASSACHUSETTS  
. . MICHIGAN  
. . MINNESOTA  
. . MISSISSIPPI  
. . MISSOURI  
. . MONTANA  
. . NEBRASKA  
. . NEVADA  
. . NEW HAMPSHIRE

## NATIONS-(CONT.)

. NEW JERSEY  
. NEW MEXICO  
. NEW YORK  
. NORTH CAROLINA  
. NORTH DAKOTA  
. OHIO  
. OKLAHOMA  
. OREGON  
. PENNSYLVANIA  
. RHODE ISLAND  
. SOUTH CAROLINA  
. SOUTH DAKOTA  
. TENNESSEE  
. TEXAS  
. UTAH  
. VERMONT  
. VIRGINIA  
. WASHINGTON  
. WEST VIRGINIA  
. WISCONSIN  
. WYOMING  
. URUGUAY  
. VATICAN CITY  
. VENEZUELA  
. VIETNAM  
. WEST GERMANY  
. YEMEN  
. YUGOSLAVIA  
. ZAIRE  
. ZAMBIA  
. ZIMBABWE  
RT AFRICA  
ASIA  
CITIES  
COMMUNITIES  
DEMOGRAPHY  
DEVELOPING NATIONS  
ESTONIA  
EUROPE  
FEDERATIONS  
HONG KONG  
INTERNATIONAL LAW  
LATVIA  
LITHUANIA  
MINORITIES  
NAMIBIA  
POLITICS  
REGIMES  
SPANISH SAHARA  
UNITED NATIONS

## NATO 3B SATELLITE

GS ARTIFICIAL SATELLITES  
. COMMUNICATION SATELLITES  
. COMMUNICATIONS TECHNOLOGY  
SATELLITE  
. . . NATO 3B SATELLITE

## NATURAL FREQUENCIES

USE RESONANT FREQUENCIES

## NATURAL GAS

GS FUELS  
. GASEOUS FUELS  
. . NATURAL GAS  
ORGANIC COMPOUNDS  
. HYDROCARBONS  
. . NATURAL GAS  
RESOURCES  
. EARTH RESOURCES  
. . FOSSIL FUELS  
. . . NATURAL GAS  
RT LIQUEFIED NATURAL GAS  
METHANE  
NATURAL GAS EXPLORATION  
OIL FIELDS  
PETROLEUM PRODUCTS

## NATURAL GAS EXPLORATION

RT DRILLING  
METHANE  
NATURAL GAS  
OIL EXPLORATION  
PHOTOGEOLOGY

## NATURAL LANGUAGE (COMPUTERS)

GS LANGUAGES  
. PROGRAMMING LANGUAGES  
. . NATURAL LANGUAGE (COMPUTERS)  
RT COMPUTER PROGRAMMING  
CONTEXT  
DATA PROCESSING  
KNOWLEDGE REPRESENTATION

## NATURAL LASERS

USE LASERS

## NATURAL SATELLITES

SN (EXCLUDES PLANETS)  
UF PLANETARY SATELLITES  
GS CELESTIAL BODIES  
. NATURAL SATELLITES  
. CHARON  
. ICY SATELLITES  
. . ARIEL  
. . CALLISTO  
. . DIONE  
. . ENCELADUS  
. . EUROPA  
. . GANYMEDE  
. . HYPERION  
. . IAPETUS  
. . MIMAS  
. . RHEA (ASTRONOMY)  
. . TETHYS  
. . TITANIA  
. JUPITER SATELLITES  
. . AMALTHEA  
. . GALILEAN SATELLITES  
. . . CALLISTO  
. . . EUROPA  
. . . GANYMEDE  
. . . IO  
. MARS SATELLITES  
. . DEIMOS  
. . PHOBOS  
. MOON  
. SATURN SATELLITES  
. . DIONE  
. . ENCELADUS  
. . HYPERION  
. . IAPETUS  
. . JANUS  
. . MIMAS  
. . PHOEBE  
. . RHEA (ASTRONOMY)  
. . TETHYS  
. . TITAN  
. . TRITON  
. URANUS SATELLITES  
. . ARIEL  
. . MIRANDA  
. . OBERON  
. . TITANIA  
. . UMBRIEL  
RT ARTIFICIAL SATELLITES  
CYRILLID METEORIDS  
EARTH-MOON SYSTEM  
METEORIDS  
PLANETS  
ROCHE LIMIT  
SATELLITE ATMOSPHERES  
SATELLITE SURFACES  
∞ SATELLITES  
SATURN RINGS  
SOLAR SYSTEM  
TEKTITES  
URANUS RINGS

## NAUSEA

GS SIGNS AND SYMPTOMS  
. NAUSEA  
RT ANTIEMETICS AND ANTINAUSEANTS  
MOTION SICKNESS  
VOMITING

## NAUTICAL CHARTS

GS CHARTS  
. NAUTICAL CHARTS  
RT NAVIGATION AIDS  
NAVIGATION SATELLITES  
SURFACE NAVIGATION

## NAVAHO MISSILE

GS MISSILES  
. RAMJET MISSILES  
. . NAVAHO MISSILE  
. SURFACE TO SURFACE MISSILES  
. . CRUISE MISSILES  
. . . NAVAHO MISSILE  
RT LIQUID PROPELLANT ROCKET ENGINES  
MULTISTAGE ROCKET VEHICLES  
RAMJET ENGINES

## NAVIER-STOKES EQUATION

GS EQUATIONS OF MOTION  
. NAVIER-STOKES EQUATION  
FLOW EQUATIONS  
. NAVIER-STOKES EQUATION



## NAVIGATION

### NAVIER-STOKES EQUATION-(CONT.)

RT BURGER EQUATION  
COMPUTATIONAL FLUID DYNAMICS  
∞ EQUATIONS  
FLOW THEORY  
INCOMPRESSIBLE FLOW  
INCOMPRESSIBLE FLUIDS  
MILNE-THOMSON METHOD  
NEWTONIAN FLUIDS  
OSEN APPROXIMATION  
REYNOLDS EQUATION  
REYNOLDS STRESS  
VISCOUS FLOW  
VISCOUS FLUIDS

### NAVIGATION

GS **NAVIGATION**  
AIR NAVIGATION  
ALL-WEATHER AIR NAVIGATION  
AREA NAVIGATION  
NAP-OF-THE-EARTH NAVIGATION  
CELESTIAL NAVIGATION  
ASTROGUIDE NAVIGATION SYSTEM  
ASTRONAVIGATION  
DEAD RECKONING  
DIGITAL NAVIGATION  
DOPPLER NAVIGATION  
HYBRID NAVIGATION SYSTEMS  
INERTIAL NAVIGATION  
ASTROGUIDE NAVIGATION SYSTEM  
GIMBALLESS INERTIAL NAVIGATION  
OMEGA NAVIGATION SYSTEM  
POLAR NAVIGATION  
RADAR NAVIGATION  
RADIO NAVIGATION  
HYPERBOLIC NAVIGATION  
DECCA NAVIGATION  
LORAC NAVIGATION SYSTEM  
LORAN  
LORAN C  
LORAN D  
SHORAN  
TACAN  
VHF OMNIRANGE NAVIGATION  
SPACE NAVIGATION  
INTERPLANETARY NAVIGATION  
SURFACE NAVIGATION  
RT AUTOMATIC FLIGHT CONTROL  
AZIMUTH  
BAY ICE  
DECLINATION  
DISTANCE MEASURING EQUIPMENT  
∞ FIXING  
FLIGHT CONTROL  
FLIGHT PATHS  
GLOBAL POSITIONING SYSTEM  
GUIDANCE (MOTION)  
GYROSCOPIC COUPLING  
HOMING DEVICES  
LATITUDE MEASUREMENT  
LOCOMOTION  
LONGITUDE MEASUREMENT  
ORBITAL POSITION ESTIMATION  
PLOTING  
POSITION (LOCATION)  
POSITION ERRORS  
POSITIONING  
STAR TRACKERS  
STATIONKEEPING  
∞ SYSTEMS  
TRIANGULATION

### NAVIGATION AIDS

GS **NAVIGATION AIDS**  
BEACONS  
AIRPORT BEACONS  
DISCRETE ADDRESS BEACON SYSTEM  
RADAR BEACONS  
DISCRETE ADDRESS BEACON SYSTEM  
RADIO BEACONS  
OMNIDIRECTIONAL RADIO RANGES  
SELF CALIBRATING OMNIRANGE  
RADIO DIRECTION FINDERS  
LIGHT AIRBORNE MULTIPURPOSE SYSTEM  
MICROWAVE SCANNING BEAM LANDING SYSTEM  
NAVIGATION INSTRUMENTS  
ATTITUDE INDICATORS  
GYRO HORIZONS  
COMPASSES  
GYROCOMPASSES  
MAGNETIC COMPASSES

### NAVIGATION AIDS-(CONT.)

∞ SOLAR COMPASSES  
RADIO DIRECTION FINDERS  
TERCOM  
RT **AIDS**  
AIR NAVIGATION  
AIR TRAFFIC CONTROL  
AIRCRAFT EQUIPMENT  
AIRCRAFT INSTRUMENTS  
AIRCRAFT SAFETY  
AIRPORTS  
ALL-WEATHER AIR NAVIGATION  
ALTIMETERS  
APPROACH INDICATORS  
AUTOMATIC FLIGHT CONTROL  
AUTOMATIC PILOTS  
AUTOMATIC TRAFFIC ADVISORY AND RESOLUTION  
AUTONOMOUS NAVIGATION  
BUOYS  
CHARTS  
DECCA NAVIGATION  
DISPLAY DEVICES  
DISTANCE MEASURING EQUIPMENT  
ECHO SOUNDING  
FLIGHT CONTROL  
FLIGHT MANAGEMENT SYSTEMS  
FLIGHT PATHS  
GYROSTABILIZERS  
HEAD-UP DISPLAYS  
HELIPORTS  
HOMING DEVICES  
HYBRID NAVIGATION SYSTEMS  
INERTIAL NAVIGATION  
KALMAN FILTERS  
LANDING AIDS  
LASER RANGE FINDERS  
LORAC NAVIGATION SYSTEM  
LORAN  
LORAN C  
LORAN D  
MAPS  
∞ MARS  
MILITARY AIR FACILITIES  
NAUTICAL CHARTS  
PLOTTERS  
POSITION INDICATORS  
RADIO NAVIGATION  
RANGE FINDERS  
REDUCED ORDER FILTERS  
REFERENCE STARS  
SEXTANTS  
SHORAN  
SOLAR SENSORS  
SONAR  
STAR TRACKERS  
SURFACE NAVIGATION  
TACAN  
VHF OMNIRANGE NAVIGATION  
WEATHER

### NAVIGATION INSTRUMENTS

GS **NAVIGATION AIDS**  
NAVIGATION INSTRUMENTS  
ATTITUDE INDICATORS  
GYRO HORIZONS  
COMPASSES  
GYROCOMPASSES  
MAGNETIC COMPASSES  
SOLAR COMPASSES  
RADIO DIRECTION FINDERS  
RT **AIDS**  
AIRCRAFT EQUIPMENT  
AIRCRAFT INSTRUMENTS  
ALTIMETERS  
AUTONOMOUS NAVIGATION  
BORESIGHT ERROR  
FLIGHT CONTROL  
FLIGHT INSTRUMENTS  
GIMBALLESS INERTIAL NAVIGATION  
HORIZON SCANNERS  
HYBRID NAVIGATION SYSTEMS  
INERTIAL PLATFORMS  
INSTRUMENTS  
KALMAN-SCHMIDT FILTERING  
LASER RANGE FINDERS  
LIGHT AIRBORNE MULTIPURPOSE SYSTEM  
LORAC NAVIGATION SYSTEM  
LORAN  
MEASURING INSTRUMENTS  
POSITION INDICATORS  
RADAR  
SOLAR SENSORS  
STAR TRACKERS  
TERCOM

### NAVIGATION SATELLITES

GS **ARTIFICIAL SATELLITES**  
NAVIGATION SATELLITES  
AEROSAT SATELLITES  
EXPLORER 22 SATELLITE  
NAVIGATION TECHNOLOGY SATELLITES  
NAVSTAR SATELLITES  
NOVA SATELLITES  
REFSAT  
TRANSIT ATTITUDE CONTROL SATELLITE  
TRANSIT SATELLITES  
RT **ACTIVE SATELLITES**  
ATS  
GEODETIC SATELLITES  
LOCATES SYSTEM  
METEOROLOGICAL SATELLITES  
MILITARY SPACECRAFT  
NAUTICAL CHARTS  
PASSIVE SATELLITES  
SATELLITE NAVIGATION SYSTEMS  
SATELLITE NETWORKS  
SYNCHRONOUS SATELLITES  
TRANSIT NAVIGATION SYSTEM

### NAVIGATION TECHNOLOGY SATELLITES

UF **NTS**  
GS **ARTIFICIAL SATELLITES**  
NAVIGATION SATELLITES  
NAVIGATION TECHNOLOGY SATELLITES  
RT NAVSTAR SATELLITES

### NAVIGATORS

GS **PERSONNEL**  
NAVIGATORS  
RT **FLIGHT CREWS**  
FLYING PERSONNEL

### NAVION AIRCRAFT

GS **NAVION AIRCRAFT**  
G-1 AIRCRAFT  
RT **AIRCRAFT**

### NAVION G-1 AIRCRAFT

USE G-1 AIRCRAFT

### NAVION RANGEMASTER AIRCRAFT

USE G-1 AIRCRAFT

### NAVSTAR SATELLITES

GS **ARTIFICIAL SATELLITES**  
NAVIGATION SATELLITES  
NAVSTAR SATELLITES  
RT **ACTIVE SATELLITES**  
ATS  
GEODETIC SATELLITES  
NAVIGATION TECHNOLOGY SATELLITES  
REFSAT  
SATELLITE NETWORKS

### NAVY

GS **ARMED FORCES**  
NAVY  
RT **AIRCRAFT CARRIERS**  
BALLISTIC MISSILE SUBMARINES  
FLEET SATELLITE COMMUNICATION SYSTEM  
NUCLEAR POWERED SHIPS  
SHIPS  
SUBMARINES  
TRIDENT SUBMARINE  
∞ VESSELS

### NC-130 AIRCRAFT

USE C-130 AIRCRAFT

### NDM SEMICONDUCTOR DEVICES

SN **(NEGATIVE DIFFERENTIAL MOBILITY SEMICONDUCTOR DEVICES)**  
UF **NEGATIVE DIFF. MOBILITY SEMICONDUCTORS**  
GS **ELECTRONIC EQUIPMENT**  
SOLID STATE DEVICES  
SEMICONDUCTOR DEVICES  
NDM SEMICONDUCTOR DEVICES  
RT **CONDUCTION BANDS**  
∞ DEVICES  
DIFFUSIVITY  
ELECTRON MOBILITY  
IONIC MOBILITY

**NEAR FIELDS**

GS ELECTROMAGNETIC FIELDS  
 . **NEAR FIELDS**  
 RT ANTENNA RADIATION PATTERNS  
 ANTENNAS  
 ELECTROMAGNETIC RADIATION  
 FAR FIELDS  
 RADIO EQUIPMENT  
 SIDELOBES

**NEAR INFRARED RADIATION**

SN (0.75 TO 3 MICRONS)  
 GS ELECTROMAGNETIC RADIATION  
 . INFRARED RADIATION  
 . **NEAR INFRARED RADIATION**  
 RT FAR INFRARED RADIATION  
 INFRARED PHOTOMETRY  
 LIGHT (VISIBLE RADIATION)  
 ∞ RADIATION  
 RADIATIVE HEAT TRANSFER  
 RADIATIVE TRANSFER  
 TERRESTRIAL RADIATION  
 THERMAL RADIATION

**NEAR ULTRAVIOLET RADIATION**

SN (2000 TO 4000 ÅNGSTRÖMS)  
 GS ELECTROMAGNETIC RADIATION  
 . ULTRAVIOLET RADIATION  
 . **NEAR ULTRAVIOLET RADIATION**  
 IONIZING RADIATION  
 . ULTRAVIOLET RADIATION  
 . **NEAR ULTRAVIOLET RADIATION**  
 RT FAR ULTRAVIOLET RADIATION  
 LIGHT (VISIBLE RADIATION)  
 ∞ RADIATION

**NEAR WAKES**

GS WAKES  
 . **NEAR WAKES**

**NEARSHORE WATER**

GS WATER  
 . **NEARSHORE WATER**  
 . . COASTAL WATER  
 RT MARINE ENVIRONMENTS  
 OCEANS  
 SEA WATER  
 VADOSE WATER  
 WATER DEPTH  
 WETLANDS

**NEBRASKA**

GS NATIONS  
 . UNITED STATES  
 . **NEBRASKA**  
 RT MISSOURI RIVER (US)  
 SAND HILLS REGION (NE)

**NEBULAE**

GS CELESTIAL BODIES  
 . **NEBULAE**  
 . . CASSIOPEIA A  
 . . CRAB NEBULA  
 . . GUM NEBULA  
 . . H I REGIONS  
 . . H II REGIONS  
 . . HERBIG-HARO OBJECTS  
 . . ORION NEBULA  
 . . PLANETARY NEBULAE  
 . . REFLECTION NEBULAE  
 RT GALAXIES  
 INTERSTELLAR MATTER  
 IRREGULAR GALAXIES  
 MAFFEI GALAXIES  
 MAGELLANIC CLOUDS  
 NORTH POLAR SPUR (ASTRONOMY)  
 OPHIUCHI CLOUDS  
 OPIK THEORY  
 SOLAR CORONA  
 STAR FORMATION  
 SUPERNOVAE

**NECK (ANATOMY)**

GS ANATOMY  
 . **NECK (ANATOMY)**  
 RT VERTEBRAE

**NEEDLE BEARINGS**

GS BEARINGS  
 . **NEEDLE BEARINGS**  
 RT ANTIFRICTION BEARINGS  
 BALL BEARINGS  
 ROLLER BEARINGS

**NEEDLES**

RT DENDRITIC CRYSTALS  
 SEWING  
 SINGLE CRYSTALS  
 SURGICAL INSTRUMENTS

**NEEDS (DATA SYSTEM)**

UF NASA END-TO-END DATA SYSTEM  
 GS DATA SYSTEMS  
 . **NEEDS (DATA SYSTEM)**  
 END-TO-END DATA SYSTEMS  
 . **NEEDS (DATA SYSTEM)**  
 RT DATA ACQUISITION  
 DATA PROCESSING  
 SATELLITE INSTRUMENTS  
 ∞ SYSTEMS

**NEEL TEMPERATURE**

GS TEMPERATURE  
 . **NEEL TEMPERATURE**  
 RT ANTIFERROMAGNETISM  
 MAGNETIC PERMEABILITY  
 PHASE TRANSFORMATIONS  
 SPECIFIC HEAT  
 THERMAL EXPANSION

**NEGATIVE CONDUCTANCE**

RT AVALANCHE DIODES  
 GALLIUM ARSENIDES  
 GUNN EFFECT  
 TUNNEL DIODES

**NEGATIVE DIFF MOBILITY SEMICONDUCTORS**

USE NDM SEMICONDUCTOR DEVICES

**NEGATIVE ELECTRON AFFINITY**

GS AFFINITY  
 . **NEGATIVE ELECTRON AFFINITY**  
 RT ELECTRON AFFINITY  
 ELECTRON EMISSION  
 GALLIUM ARSENIDES  
 PHOTOELECTRIC EMISSION  
 SEMICONDUCTORS (MATERIALS)

**NEGATIVE FEEDBACK**

UF DEGENERATIVE FEEDBACK  
 GS FEEDBACK  
 . **NEGATIVE FEEDBACK**  
 RT AUTOMATIC CONTROL  
 DAMPING  
 DEGENERATION  
 FEEDBACK CONTROL  
 NONLINEAR FEEDBACK  
 OSCILLATORS  
 TRANSFER FUNCTIONS

**NEGATIVE IONS**

GS IONS  
 . **NEGATIVE IONS**  
 . . ANIONS  
 RT FREE RADICALS  
 IONIC MOBILITY  
 NITROGEN IONS  
 OXYGEN IONS  
 PLASMA PHYSICS

**NEGATIVE RESISTANCE CIRCUITS**

GS CIRCUITS  
 . **NEGATIVE RESISTANCE CIRCUITS**  
 RT ∞ RESISTANCE  
 TUNNEL DIODES

**NEGATIVE RESISTANCE DEVICES**

RT ALUMINUM GALLIUM ARSENIDES  
 GALLIUM ARSENIDES  
 GUNN DIODES  
 GUNN EFFECT  
 MIM DIODES  
 NEGATONS  
 PARAMETRIC AMPLIFIERS  
 RAMSAUER EFFECT  
 ∞ RESISTANCE

**NEGATONS**

GS PARTICLES  
 . CHARGED PARTICLES  
 . . ENERGETIC PARTICLES  
 . . . ELECTRONS  
 . . . **NEGATONS**  
 RT NEGATIVE RESISTANCE DEVICES

**NEMBUTAL (TRADEMARK)**

GS DRUGS  
 . **NEMBUTAL (TRADEMARK)**

**NEMBUTAL (TRADEMARK)-(CONT.)**

KETONES  
 . **NEMBUTAL (TRADEMARK)**  
 SODIUM COMPOUNDS  
 . **NEMBUTAL (TRADEMARK)**  
 RT PENTOBARBITAL SODIUM

**NEMESIS (STAR)**

UF SOLAR COMPANION STAR  
 GS CELESTIAL BODIES  
 . STARS  
 . . DOUBLE STARS  
 . . . BINARY STARS  
 . . . . COMPANION STARS  
 . . . . **NEMESIS (STAR)**  
 RT DWARF STARS  
 EXTINCTION  
 OORT CLOUD  
 SOLAR NEIGHBORHOOD  
 STELLAR ORBITS  
 STELLAR SYSTEMS

**NEODYMIUM**

GS CHEMICAL ELEMENTS  
 . RARE EARTH ELEMENTS  
 . **NEODYMIUM**  
 METALS  
 . RARE EARTH ELEMENTS  
 . **NEODYMIUM**  
 RT DIDYMIUM

**NEODYMIUM ALLOYS**

GS ALLOYS  
 . RARE EARTH ALLOYS  
 . **NEODYMIUM ALLOYS**

**NEODYMIUM COMPOUNDS**

GS RARE EARTH COMPOUNDS  
 . **NEODYMIUM COMPOUNDS**  
 RT ∞ CHEMICAL COMPOUNDS  
 ∞ METAL COMPOUNDS

**NEODYMIUM ISOTOPES**

GS CHEMICAL ELEMENTS  
 . NUCLIDES  
 . . ISOTOPES  
 . . . **NEODYMIUM ISOTOPES**  
 . . RARE EARTH ELEMENTS  
 . **NEODYMIUM ISOTOPES**  
 METALS  
 . RARE EARTH ELEMENTS  
 . **NEODYMIUM ISOTOPES**

**NEODYMIUM LASERS**

GS STIMULATED EMISSION DEVICES  
 . LASERS  
 . . **NEODYMIUM LASERS**  
 RT COHERENT LIGHT  
 GLASS LASERS  
 OPTICAL PUMPING  
 RARE EARTH ELEMENTS

**NEON**

GS CHEMICAL ELEMENTS  
 . RARE GASES  
 . **NEON**  
 . . LIQUID NEON  
 . . . NEON ISOTOPES  
 GASES  
 . RARE GASES  
 . **NEON**  
 . . LIQUID NEON  
 . . . NEON ISOTOPES

**NEON ISOTOPES**

UF NEON 19  
 GS CHEMICAL ELEMENTS  
 . NUCLIDES  
 . . ISOTOPES  
 . . . **NEON ISOTOPES**  
 . RARE GASES  
 . NEON  
 . . **NEON ISOTOPES**  
 GASES  
 . RARE GASES  
 . NEON  
 . . **NEON ISOTOPES**

**NEON 19**

USE NEON ISOTOPES

**NEOPENTANE**

GS ORGANIC COMPOUNDS  
 . HYDROCARBONS

## NEOPLASMS

### NEOPENTANE-(CONT.)

- .. ALIPHATIC HYDROCARBONS
- .. ALKANES
- .. PENTANES
- ..... NEOPENTANE

### NEOPLASMS

- GS DISEASES
- .. TUMORS
- .. NEOPLASMS
- .. CANCER
- .. LEUKEMIAS
- RT CARCINOGENS
- .. CYSTS

### NEOPRENES

- USE CHLOROPRENE RESINS

### NEPAL

- GS NATIONS
- .. NEPAL
- RT ASIA

### NEPHANALYSIS

- RT ALPINE METEOROLOGY
- .. ANVIL CLOUDS
- .. ATMOSPHERIC CLOUD PHYSICS LAB (SPACELAB)
- .. CAP CLOUDS
- .. CHEMICAL ANALYSIS
- .. CIRROCUMULUS CLOUDS
- .. CIRROSTRATUS CLOUDS
- .. CLOUD COVER
- .. CLOUD PHYSICS
- .. CLOUDS (METEOROLOGY)
- .. CONVECTION CLOUDS
- .. METEOROLOGICAL INSTRUMENTS
- .. METEOROLOGY
- .. NEPHELOMETERS
- .. PRECIPITATION (METEOROLOGY)
- .. SYNOPTIC MEASUREMENT
- .. SYNOPTIC METEOROLOGY
- .. WEATHER FORECASTING

### NEPHELINE

- GS ALUMINUM COMPOUNDS
- .. NEPHELINE
- .. MINERALS
- .. NEPHELINE
- .. POTASSIUM COMPOUNDS
- .. NEPHELINE
- .. SILICON COMPOUNDS
- .. SILICATES
- .. NEPHELINE
- .. SODIUM COMPOUNDS
- .. NEPHELINE
- RT NEPHELINE

### NEPHELITE

- GS ALUMINUM COMPOUNDS
- .. NEPHELITE
- .. CHALCOGENIDES
- .. OXIDES
- .. SILICON OXIDES
- .. NEPHELITE
- .. MINERALS
- .. NEPHELITE
- .. SILICON COMPOUNDS
- .. SILICON OXIDES
- .. NEPHELITE
- RT NEPHELINE

### NEPHELOMETERS

- GS MEASURING INSTRUMENTS
- .. OPTICAL MEASURING INSTRUMENTS
- .. NEPHELOMETERS
- .. OPTICAL EQUIPMENT
- .. OPTICAL MEASURING INSTRUMENTS
- .. NEPHELOMETERS
- RT NEPHANALYSIS
- .. OPTICAL MEASUREMENT
- .. PHOTOMETERS

### NEPHRITIS

- GS DISEASES
- .. KIDNEY DISEASES
- .. NEPHRITIS
- RT BACTERIAL DISEASES

### NEPTUNE (PLANET)

- GS CELESTIAL BODIES
- .. PLANETS
- .. GAS GIANT PLANETS
- .. NEPTUNE (PLANET)

### NEPTUNE (PLANET)-(CONT.)

- RT NEPTUNE ATMOSPHERE
- .. TRITON

### NEPTUNE ATMOSPHERE

- GS ENVIRONMENTS
- .. EXTRATERRESTRIAL ENVIRONMENTS
- .. PLANETARY ENVIRONMENTS
- .. PLANETARY ATMOSPHERES
- .. NEPTUNE ATMOSPHERE
- RT AEROSPACE ENVIRONMENTS
- .. ATMOSPHERES
- .. GAS GIANT PLANETS
- .. HYDROGEN
- .. METHANE
- .. NEPTUNE (PLANET)
- .. PLANETARY IONOSPHERES
- .. TRITON

### NEPTUNIUM

- GS CHEMICAL ELEMENTS
- .. ACTINIDE SERIES
- .. TRANSURANIUM ELEMENTS
- .. NEPTUNIUM
- .. NEPTUNIUM ISOTOPES
- .. NUCLIDES
- .. ISOTOPES
- .. RADIOACTIVE ISOTOPES
- .. TRANSURANIUM ELEMENTS
- .. NEPTUNIUM
- .. NEPTUNIUM ISOTOPES
- .. METALS
- .. ACTINIDE SERIES
- .. TRANSURANIUM ELEMENTS
- .. NEPTUNIUM
- .. NEPTUNIUM ISOTOPES

### NEPTUNIUM COMPOUNDS

- GS ACTINIDE SERIES COMPOUNDS
- .. NEPTUNIUM COMPOUNDS
- RT CHEMICAL COMPOUNDS
- .. METAL COMPOUNDS

### NEPTUNIUM ISOTOPES

- GS CHEMICAL ELEMENTS
- .. ACTINIDE SERIES
- .. TRANSURANIUM ELEMENTS
- .. NEPTUNIUM
- .. NEPTUNIUM ISOTOPES
- .. NUCLIDES
- .. ISOTOPES
- .. RADIOACTIVE ISOTOPES
- .. TRANSURANIUM ELEMENTS
- .. NEPTUNIUM
- .. NEPTUNIUM ISOTOPES
- .. METALS
- .. ACTINIDE SERIES
- .. TRANSURANIUM ELEMENTS
- .. NEPTUNIUM
- .. NEPTUNIUM ISOTOPES

### NERNST GENERATORS

- USE THERMOMAGNETIC COOLING

### NERNST HEAT THEOREM

- USE NERNST-ETTINGSHAUSEN EFFECT

### NERNST-ETTINGSHAUSEN EFFECT

- UF NERNST HEAT THEOREM
- GS GALVANOMAGNETIC EFFECTS
- .. NERNST-ETTINGSHAUSEN EFFECT
- RT EFFECTS
- .. TEMPERATURE EFFECTS
- .. THERMOMAGNETIC EFFECTS

### NERVA (ENGINE)

- USE NUCLEAR ENGINE FOR ROCKET VEHICLES

### NERVES

- GS ANATOMY
- .. NERVOUS SYSTEM
- .. NERVES
- .. GANGLIA
- .. OCULOMOTOR NERVES
- RT CAROTID SINUS BODY
- .. CAROTID SINUS REFLEX
- .. HIS BUNDLE
- .. MYELIN
- .. NEURITIS
- .. NEURONS
- .. SCIATIC REGION
- .. SYNAPSES

### NERVOUS SYSTEM

- UF VASOMOTOR NERVOUS SYSTEM
- GS ANATOMY
- .. NERVOUS SYSTEM
- .. AFFERENT NERVOUS SYSTEMS
- .. AUTONOMIC NERVOUS SYSTEM
- .. SYMPATHETIC NERVOUS SYSTEM
- .. CENTRAL NERVOUS SYSTEM
- .. BRAIN
- .. BRAIN STEM
- .. CEREBELLUM
- .. CEREBRAL VENTRICLES
- .. CEREBRUM
- .. CEREBRAL CORTEX
- .. OCCIPITAL LOBES
- .. DIENCEPHALON
- .. HYPOTHALAMUS
- .. PINEAL GLAND
- .. THALAMUS
- .. HIPPOCAMPUS
- .. SPINAL CORD
- .. EFFERENT NERVOUS SYSTEMS
- .. NERVES
- .. GANGLIA
- .. OCULOMOTOR NERVES
- .. PERIPHERAL NERVOUS SYSTEM
- RT ELECTROPHYSIOLOGY
- .. HOMEOSTASIS
- .. MYELIN
- .. NEURASTHENIA
- .. NEURITIS
- .. NEUROGLIA
- .. NEURONS
- .. NEUROPSYCHIATRY
- .. NEUROTRANSMITTERS
- .. PROPRIOCEPTORS
- .. PSYCHOPHARMACOLOGY
- .. SENSE ORGANS
- .. SYNAPSES
- .. SYSTEMS

### NETHERLANDS

- UF HOLLAND
- GS NATIONS
- .. NETHERLANDS
- RT ASTRONOMICAL NETHERLANDS
- .. SATELLITE
- .. EUROPE
- .. SURINAM

### NETS

- GS NETS
- .. NEURAL NETS
- .. PETRI NETS
- RT NETWORKS

### NETWORK ANALYSIS

- UF TELLEGEN THEORY
- GS NETWORK ANALYSIS
- .. CRITICAL PATH METHOD
- .. SNEAK CIRCUIT ANALYSIS
- RT ANALYZING
- .. CIRCUITS
- .. DATA FLOW ANALYSIS
- .. DISTRIBUTED PARAMETER SYSTEMS
- .. DUALITY PRINCIPLE
- .. ELECTRIC TERMINALS
- .. EQUIVALENT CIRCUITS
- .. FOSTER THEORY
- .. GYRATORS
- .. HYDRAULIC EQUIPMENT
- .. INSERTION
- .. KIRCHHOFF LAW OF NETWORKS
- .. LC CIRCUITS
- .. NETWORKS
- .. PATHS
- .. RC CIRCUITS
- .. RL CIRCUITS
- .. RLC CIRCUITS
- .. SIGNAL FLOW GRAPHS
- .. SUPERPOSITION (MATHEMATICS)

### NETWORK CONTROL

- RT COMMUNICATION NETWORKS
- .. COMMUNICATION SATELLITES
- .. COMPUTER NETWORKS
- .. CONTROL
- .. LOCAL AREA NETWORKS
- .. PACKET SWITCHING
- .. SATELLITE NETWORKS
- .. TRANSMISSION EFFICIENCY

### NETWORK SYNTHESIS

- UF TELLEGEN THEORY
- RT COMMUNICATION THEORY

## NEUTRINO BEAMS

### NETWORK SYNTHESIS-(CONT.)

EQUIVALENT CIRCUITS  
HYDRAULIC EQUIPMENT  
KIRCHHOFF LAW OF NETWORKS  
LC CIRCUITS  
∞ NETWORKS  
RC CIRCUITS  
RICHARDS THEOREM  
RL CIRCUITS  
RLC CIRCUITS  
SUPERPOSITION (MATHEMATICS)  
SWITCHING THEORY  
∞ SYNTHESIS  
TOPOLOGY

### ∞ NETWORKS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT ARPA COMPUTER NETWORK  
BOND GRAPHS  
CIRCUITS  
COMPUTER NETWORKS  
COUPLING CIRCUITS  
DEEP SPACE NETWORK  
DIFFERENTIATORS  
ELECTRIC NETWORKS  
ELECTRIC POWER TRANSMISSION  
GRAPHS (CHARTS)  
GYRATORS  
HYDRAULIC EQUIPMENT  
INTEGRATORS  
MAGNETIC CIRCUITS  
MOAICS  
NASCOM NETWORK  
NETS  
NETWORK ANALYSIS  
NETWORK SYNTHESIS  
NEURAL NETS  
PNEUMATIC EQUIPMENT  
QUADRUPOLE NETWORKS  
RADAR NETWORKS  
SATELLITE NETWORKS  
SIGNAL FLOW GRAPHS  
TOPOLOGY  
TRACKING NETWORKS  
TRANSMISSION LINES  
TRANSPORTATION NETWORKS  
UNDERGROUND TRANSMISSION LINES

### NEUMANN PROBLEM

GS ANALYSIS (MATHEMATICS)  
. REAL VARIABLES  
. . . NEUMANN PROBLEM  
BOUNDARY VALUE PROBLEMS  
. NEUMANN PROBLEM  
RT DIFFERENTIAL EQUATIONS  
PARTIAL DIFFERENTIAL EQUATIONS  
∞ PROBLEMS

### NEURAL NETS

GS NETS  
. NEURAL NETS  
RT CYBERNETICS  
LOGIC CIRCUITS  
∞ NETWORKS

### NEURASTHENIA

GS DISEASES  
. NEURASTHENIA  
RT NERVOUS SYSTEM

### NEURISTORS

GS ELECTRONIC EQUIPMENT  
SOLID STATE DEVICES  
. . . SEMICONDUCTOR DEVICES  
. NEURISTORS  
RT BIONICS

### NEURITIS

GS DISEASES  
. NEURITIS  
RT NERVES  
NERVOUS SYSTEM

### NEUROBLASTS

GS CELLS (BIOLOGY)  
. NEURONS  
. . . NEUROBLASTS  
RT EMBRYOLOGY

### NEUROGLIA

GS TISSUES (BIOLOGY)  
. NEUROGLIA  
RT BRAIN

### NEUROGLIA-(CONT.)

CELLS (BIOLOGY)  
GANGLIA  
NERVOUS SYSTEM  
SPINAL CORD

### NEUROLOGY

UF NEUROSCIENCE  
GS MEDICAL SCIENCE  
. NEUROLOGY  
RT BRAIN  
CHEMICAL DEFENSE  
ELECTROPHYSIOLOGY  
LIFE SCIENCES  
NEUROPSYCHIATRY  
THRESHOLDS (PERCEPTION)

### NEUROMUSCULAR TRANSMISSION

RT BIOELECTRICITY  
CHOLINESTERASE  
NEUROTRANSMITTERS  
PERIPHERAL NERVOUS SYSTEM  
SYNAPSES

### NEURON TRANSMISSION

USE BIOELECTRICITY

### NEURONS

GS CELLS (BIOLOGY)  
. NEURONS  
. . . AXONS  
. . . NEUROBLASTS  
RT BLOOD-BRAIN BARRIER  
MYELIN  
NERVES  
NERVOUS SYSTEM  
SYNAPSES  
SYNCODERS

### NEUROPHYSIOLOGY

GS PHYSIOLOGY  
. NEUROPHYSIOLOGY  
RT GANGLIA  
INFORMATION PROCESSING (BIOLOGY)  
ONTOGENY  
PSYCHOTROPIC DRUGS  
∞ SCIENCE

### NEUROPSYCHIATRY

GS MEDICAL SCIENCE  
. NEUROPSYCHIATRY  
RT HUMAN BEHAVIOR  
∞ MEDICINE  
MENTAL HEALTH  
NERVOUS SYSTEM  
NEUROLOGY  
PSYCHOTHERAPY

### NEUROSCIENCE

USE NEUROLOGY

### NEUROSES

GS NEUROSES  
. NEUROTIC DEPRESSION  
RT FEAR  
FEAR OF FLYING  
PSYCHOSES

### NEUROSPORA

GS PLANTS (BOTANY)  
. FUNGI  
. . . NEUROSPORA  
RT GENETICS

### NEUROTIC DEPRESSION

GS NEUROSES  
. NEUROTIC DEPRESSION  
RT ∞ DEPRESSION  
PSYCHOTIC DEPRESSION

### NEUROTRANSMITTERS

RT AXONS  
CATECHOLAMINE  
CELLS (BIOLOGY)  
NERVOUS SYSTEM  
NEUROMUSCULAR TRANSMISSION  
SYNAPSES

### NEUROTROPISM

GS TROPISM  
. NEUROTROPISM

### NEUTRAL ATMOSPHERES

RT ∞ ATMOSPHERES

### NEUTRAL ATOMS

GS ATOMS  
. NEUTRAL ATOMS  
RT ATOMIC BEAMS  
CHARGE DISTRIBUTION  
∞ ELEMENTS  
H I REGIONS  
NEUTRAL BEAMS

### NEUTRAL BEAMS

GS BEAMS (RADIATION)  
. PARTICLE BEAMS  
. . . NEUTRAL BEAMS  
. . . MOLECULAR BEAMS  
. . . NEUTRON BEAMS  
RT ATOMIC BEAMS  
BEAM INJECTION  
BEAM NEUTRALIZATION  
NEUTRAL ATOMS  
PARTICLES  
PION BEAMS

### NEUTRAL BUOYANCY SIMULATION

GS ENVIRONMENTAL TESTS  
. UNDERWATER TESTS  
. . . NEUTRAL BUOYANCY SIMULATION  
SIMULATION  
. ENVIRONMENT SIMULATION  
. . . SPACE ENVIRONMENT SIMULATION  
. . . WEIGHTLESSNESS SIMULATION  
. . . . NEUTRAL BUOYANCY  
SIMULATION  
RT BUOYANCY  
SPACE SIMULATORS  
WEIGHTLESSNESS

### NEUTRAL CURRENTS

RT CURRENT DISTRIBUTION  
GRAVITATIONAL COLLAPSE  
NEUTRAL PARTICLES  
NEUTRINOS  
NEUTRON STARS  
PARTICLE INTERACTIONS  
STELLAR EVOLUTION

### NEUTRAL GASES

GS EXTRATERRESTRIAL MATTER  
. COSMIC GASES  
. . . INTERSTELLAR GAS  
. . . . NEUTRAL GASES  
. . . INTERSTELLAR MATTER  
. . . INTERSTELLAR GAS  
. . . . NEUTRAL GASES  
GASES  
. RAREFIED GASES  
. . . COSMIC GASES  
. . . . INTERSTELLAR GAS  
. . . . . NEUTRAL GASES  
RT H I REGIONS  
INTERPLANETARY GAS

### NEUTRAL PARTICLES

GS PARTICLES  
. NEUTRAL PARTICLES  
. . . GRAVITINOS  
. . . NEUTRONS  
. . . COLD NEUTRONS  
. . . FAST NEUTRONS  
. . . PHOTONEUTRONS  
. . . SOLAR NEUTRONS  
. . . THERMAL NEUTRONS  
RT ELECTRON RECOMBINATION  
NEUTRAL CURRENTS

### NEUTRAL SHEETS

RT ATMOSPHERIC PHYSICS  
CHARGED PARTICLES  
EARTH MAGNETOSPHERE  
PARTICLE MOTION  
PLASMA PHYSICS  
∞ SHEETS

### NEUTRALIZERS

RT ADDITIVES  
∞ AGENTS  
BUFFERS (CHEMISTRY)  
DISCHARGERS  
INHIBITORS  
PRESERVATIVES  
RETARDANTS  
STABILIZERS (AGENTS)  
SUPPRESSORS

### NEUTRINO BEAMS

GS BEAMS (RADIATION)

## NEUTRINOS

### NEUTRINO BEAMS-(CONT.)

- . PARTICLE BEAMS
- . NEUTRINO BEAMS

### NEUTRINOS

- GS PARTICLES
  - . ELEMENTARY PARTICLES
  - . FERMIONS
  - . LEPTONS
  - . . . . . NEUTRINOS
  - . . . . . SOLAR NEUTRINOS
- RT ANTINEUTRINOS
- DARK MATTER
- GRAVITINOS
- NEUTRAL CURRENTS

### NEUTRON ABSORBERS

- RT ABSORBERS (MATERIALS)
- CONTROL RODS
- MODERATORS
- POISONING (REACTION INHIBITION)
- RADIATION ABSORPTION
- RADIATION SHIELDING

### NEUTRON ACTIVATION ANALYSIS

- GS ACTIVATION ANALYSIS
  - . NEUTRON ACTIVATION ANALYSIS
  - CHEMICAL TESTS
  - . CHEMICAL ANALYSIS
  - . . . NEUTRON ACTIVATION ANALYSIS
- RT MASS SPECTROMETERS
- MICROANALYSIS
- QUALITATIVE ANALYSIS
- QUANTITATIVE ANALYSIS
- SPECTROSCOPIC ANALYSIS

### NEUTRON BEAMS

- GS BEAMS (RADIATION)
  - . PARTICLE BEAMS
  - . . . NEUTRAL BEAMS
  - . . . . . NEUTRON BEAMS
  - . . . . . NUCLEAR RADIATION
  - . . . . . NEUTRON BEAMS
- RT ATOMIC BEAMS
- PARTICLES
- PION BEAMS
- PROTON BEAMS

### NEUTRON COUNTERS

- UF NEUTRON DETECTORS
- GS MEASURING INSTRUMENTS
  - . COUNTERS
  - . . . RADIATION COUNTERS
  - . . . . . NEUTRON COUNTERS
  - . . . . . NEUTRON SPECTROMETERS
  - . . . RADIATION MEASURING INSTRUMENTS
  - . . . RADIATION COUNTERS
  - . . . . . NEUTRON COUNTERS
  - . . . . . NEUTRON SPECTROMETERS
- RT DOSIMETERS
- GEIGER COUNTERS
- IONIZATION CHAMBERS
- PROPORTIONAL COUNTERS
- SCINTILLATION COUNTERS
- SPARK CHAMBERS

### NEUTRON CROSS SECTIONS

- RT ABSORPTION CROSS SECTIONS
  - . CROSS SECTIONS
  - . . . NUCLEAR PARTICLES
  - . . . SCATTERING CROSS SECTIONS
  - . . . STOPPING POWER

### NEUTRON DECAY

- GS DECAY
  - . NEUTRON DECAY
- RT HOT ATOMS

### NEUTRON DETECTORS

- USE NEUTRON COUNTERS

### NEUTRON DIFFRACTION

- GS DIFFRACTION
  - . NEUTRON DIFFRACTION
- RT CRYSTALLOGRAPHY

### NEUTRON DISTRIBUTION

- GS DISTRIBUTION (PROPERTY)
  - . NEUTRON DISTRIBUTION
- RT NUCLEAR PARTICLES

### NEUTRON EMISSION

- GS DECAY
  - . RADIOACTIVE DECAY

### NEUTRON EMISSION-(CONT.)

- . NEUTRON EMISSION
- EMISSION
  - . PARTICLE EMISSION
  - . NEUTRON EMISSION
  - . NUCLEAR REACTIONS
  - . RADIOACTIVE DECAY
  - . . . NEUTRON EMISSION
- RT NEUTRONS
- SELECTION RULES (NUCLEAR PHYSICS)

### NEUTRON FLUX

- USE FLUX (RATE)

### NEUTRON FLUX DENSITY

- SN (LIMITED TO NEUTRON EMISSION OR DETECTION RATE PER UNIT AREA)
- GS RATES (PER TIME)
  - . FLUX DENSITY
  - . . . RADIANT FLUX DENSITY
  - . . . . . PARTICLE FLUX DENSITY
  - . . . . . NEUTRON FLUX DENSITY
- RT HIGH FLUX ISOTOPE REACTORS
- IRRADIANCE
- NUCLEAR FISSION
- RADIANCE
- RADIANCY
- RADIATION SHIELDING
- SOLAR NEUTRONS

### NEUTRON IRRADIATION

- GS IRRADIATION
  - . NEUTRON IRRADIATION
- RT ION IRRADIATION
- TRANSMUTATION

### NEUTRON PHYSICS

- RT  $\infty$  PHYSICS
- $\infty$  SCIENCE

### NEUTRON RADIOGRAPHY

- GS IMAGERY
  - . RADIOGRAPHY
  - . . . NEUTRON RADIOGRAPHY
  - . . . NONDESTRUCTIVE TESTS
  - . . . . . NEUTRON RADIOGRAPHY
- RT  $\infty$  MATERIALS TESTS

### NEUTRON SCATTERING

- UF LEGENDRE CODE
- GS NUCLEAR REACTIONS
  - . NUCLEAR SCATTERING
  - . . . NEUTRON SCATTERING
  - . . . . . SCATTERING
  - . . . . . NUCLEAR SCATTERING
  - . . . . . NEUTRON SCATTERING
- RT ELEMENTARY PARTICLES
- NUCLEAR PARTICLES
- RESONANCE SCATTERING

### NEUTRON SOURCES

- GS RADIATION SOURCES
  - . NEUTRON SOURCES
- RT LINEAR ACCELERATORS
- NUCLEAR FUELS
- NUCLEAR RESEARCH AND TEST
- REACTORS
- PARTICLE ACCELERATORS
- SPENT FUELS

### NEUTRON SPECTRA

- GS SPECTRA
  - . ENERGY SPECTRA
  - . . . NEUTRON SPECTRA

### NEUTRON SPECTROMETERS

- UF TRIPLE AXIS SPECTROMETERS
- GS MEASURING INSTRUMENTS
  - . COUNTERS
  - . . . RADIATION COUNTERS
  - . . . . . NEUTRON COUNTERS
  - . . . . . NEUTRON SPECTROMETERS
  - . . . RADIATION MEASURING INSTRUMENTS
  - . . . RADIATION COUNTERS
  - . . . . . NEUTRON COUNTERS
  - . . . . . NEUTRON SPECTROMETERS
  - . . . SPECTROMETERS
  - . . . . . NEUTRON SPECTROMETERS

### NEUTRON STARS

- SN (EXCLUDES TRACKS OF PARTICLES EMANATING FROM A NUCLEAR COLLISION)
- GS CELESTIAL BODIES

### NEUTRON STARS-(CONT.)

- . STARS
- . . . NEUTRON STARS
- . . . . . PULSARS
- RT DEGENERATE MATTER
- GRAVITATIONAL LENSES
- NEUTRAL CURRENTS
- SUPERNOVA REMNANTS
- X RAY BINARIES
- X RAY STARS

### NEUTRON THERMALIZATION

- GS ENERGY ABSORPTION
  - . MODERATION (ENERGY ABSORPTION)
  - . . . THERMALIZATION (ENERGY ABSORPTION)
  - . . . . . NEUTRON THERMALIZATION

### NEUTRON TRANSMUTATION

- USE NUCLEAR REACTIONS

### NEUTRONS

- GS PARTICLES
  - . ELEMENTARY PARTICLES
  - . . . FERMIONS
  - . . . . . NEUTRONS
  - . . . . . COLD NEUTRONS
  - . . . . . FAST NEUTRONS
  - . . . . . PHOTONEUTRONS
  - . . . . . SOLAR NEUTRONS
  - . . . . . THERMAL NEUTRONS
  - . . . . . NEUTRAL PARTICLES
  - . . . . . NEUTRONS
  - . . . . . COLD NEUTRONS
  - . . . . . FAST NEUTRONS
  - . . . . . PHOTONEUTRONS
  - . . . . . SOLAR NEUTRONS
  - . . . . . THERMAL NEUTRONS
- RT BARYONS
- CHARGED PARTICLES
- CORPUSCULAR RADIATION
- COSMIC RAYS
- NEUTRON EMISSION
- NUCLEAR RADIATION
- NUCLEI (NUCLEAR PHYSICS)
- NUCLEON POTENTIAL
- NUCLEONS
- RADIATION EFFECTS
- RADIATION SHIELDING

### NEVADA

- GS NATIONS
  - . UNITED STATES
  - . . . NEVADA
- RT GREAT BASIN (US)
- LAKE TAHOE (CA-NV)
- PYRAMID LAKE (NV)
- SOUTHERN CALIFORNIA

### NEW BRUNSWICK

- GS NATIONS
  - . CANADA
  - . . . NEW BRUNSWICK

### NEW ENGLAND (US)

- GS REGIONS
  - . NEW ENGLAND (US)
- RT UNITED STATES

### NEW GUINEA (ISLAND)

- GS LANDFORMS
  - . ISLANDS
  - . . . PACIFIC ISLANDS
  - . . . . . NEW GUINEA (ISLAND)
- RT PAPUA NEW GUINEA
- TORRES STRAIT

### NEW HAMPSHIRE

- GS NATIONS
  - . UNITED STATES
  - . . . NEW HAMPSHIRE
- RT ST LAWRENCE VALLEY (NORTH AMERICA)

### NEW HAVEN (CT)

- GS CITIES
  - . NEW HAVEN (CT)
- RT CONNECTICUT

### NEW JERSEY

- GS NATIONS
  - . UNITED STATES
  - . . . NEW JERSEY
- RT DELAWARE BAY (US)

## NICKEL ZINC BATTERIES

### NEW JERSEY-(CONT.)

DELAWARE RIVER BASIN (US)  
HUDSON RIVER (NY-NJ)

### NEW MEXICO

GS NATIONS  
. UNITED STATES  
. . . **NEW MEXICO**  
RT COLORADO PLATEAU (US)  
RIO GRANDE (NORTH AMERICA)

### NEW MOONS PROJECT

GS PROGRAMS  
. NASA PROGRAMS  
. NASA SPACE PROGRAMS  
. . . **NEW MOONS PROJECT**  
. PROJECTS  
. . . **NEW MOONS PROJECT**  
. SPACE PROGRAMS  
. NASA SPACE PROGRAMS  
. . . **NEW MOONS PROJECT**  
RT NUCLEAR PROPULSION  
STRUCTURAL WEIGHT  
WEIGHT ANALYSIS

### NEW YORK

GS NATIONS  
. UNITED STATES  
. . . **NEW YORK**  
RT ADIRONDACK MOUNTAINS (NY)  
DELAWARE RIVER BASIN (US)  
HUDSON RIVER (NY-NJ)  
LAKE CHAMPLAIN BASIN (NY-VT)  
LONG ISLAND (NY)  
NEW YORK CITY (NY)  
ST LAWRENCE VALLEY (NORTH  
AMERICA)  
SUSQUEHANNA RIVER BASIN  
(MD-NY-PA)

### NEW YORK CITY (NY)

GS CITIES  
. **NEW YORK CITY (NY)**  
RT NEW YORK

### NEW ZEALAND

GS LANDFORMS  
. ISLANDS  
. . . PACIFIC ISLANDS  
. . . **NEW ZEALAND**  
NATIONS  
. CANADA  
. . . **NEW ZEALAND**

### NEWFOUNDLAND

GS LANDFORMS  
. ISLANDS  
. . . **NEWFOUNDLAND**  
NATIONS  
. CANADA  
. . . **NEWFOUNDLAND**

### NEWS

RT DOCUMENTATION

### NEWS MEDIA

RT DATA ACQUISITION  
INFORMATION  
∞ JOURNALS

### NEWTON

RT ∞ FORCE  
KINETICS  
NEWTONIAN FLUIDS  
NONNEWTONIAN FLUIDS

### NEWTON METHODS

GS ANALYSIS (MATHEMATICS)  
. NUMERICAL ANALYSIS  
. . . APPROXIMATION  
. . . **NEWTON METHODS**  
. . . NEWTON-RAPHSON METHOD  
. . . ITERATION  
. . . **NEWTON METHODS**  
RT ITERATIVE SOLUTION  
PROBLEM SOLVING  
ROOTS OF EQUATIONS

### NEWTON PRESSURE LAW

GS LAWS  
. **NEWTON PRESSURE LAW**  
RT COMPRESSIBLE FLOW  
LAMINAR FLOW  
NEWTONIAN FLUIDS  
PRANDTL-MEYER EXPANSION

### NEWTON PRESSURE LAW-(CONT.)

PRESSURE  
PRESSURE DISTRIBUTION

### NEWTON SECOND LAW

GS KINETICS  
. **NEWTON SECOND LAW**  
LAWS  
. **NEWTON SECOND LAW**  
RT CONSERVATION  
MOMENTUM THEORY

### NEWTON THEORY

GS KINETICS  
. **NEWTON THEORY**  
THEORETICAL PHYSICS  
. **NEWTON THEORY**  
RT CONSERVATION LAWS  
NEWTONIAN FLUIDS  
NONNEWTONIAN FLUIDS  
NONRELATIVISTIC MECHANICS  
∞ THEORIES

### NEWTON-BUSEMANN LAW

GS LAWS  
. **NEWTON-BUSEMANN LAW**

### NEWTON-RAPHSON METHOD

GS ANALYSIS (MATHEMATICS)  
. NUMERICAL ANALYSIS  
. . . APPROXIMATION  
. . . NEWTON METHODS  
. . . **NEWTON-RAPHSON METHOD**  
RT ∞ METHODOLOGY

### NEWTONIAN FLUIDS

RT ANISOTROPIC FLUIDS  
∞ FLUIDS  
NAVIER-STOKES EQUATION  
NEWTON  
NEWTON PRESSURE LAW  
NEWTON THEORY  
NONNEWTONIAN FLUIDS  
STRESS-STRAIN-TIME RELATIONS  
VISCOUS FLUIDS

### NICARAGUA

GS NATIONS  
. **NICARAGUA**  
RT CENTRAL AMERICA

### NICHROME (TRADEMARK)

GS ALLOYS  
. NICKEL ALLOYS  
. . . **NICHROME (TRADEMARK)**

### NICKEL

GS CHEMICAL ELEMENTS  
. **NICKEL**  
. . . NICKEL ISOTOPES  
METALS  
. TRANSITION METALS  
. . . **NICKEL**  
. . . NICKEL ISOTOPES  
RT CONSTANTAN

### NICKEL ALLOYS

GS ALLOYS  
. **NICKEL ALLOYS**  
. . . ASTROLOY (TRADEMARK)  
. . . HASTELLOY (TRADEMARK)  
. . . INCONEL (TRADEMARK)  
. . . KAMACITE  
. . . MONEL (TRADEMARK)  
. . . NICHROME (TRADEMARK)  
. . . NITINOL ALLOYS  
. . . RENE 41  
. . . RENE 63  
. . . RENE 77  
. . . RENE 95  
. . . UDIMET ALLOYS  
. . . WASPALOY  
RT ALUMINIDES  
GOLD ALLOYS  
HEAT RESISTANT ALLOYS  
NIMONIC ALLOYS  
PERMALLOYS (TRADEMARK)  
SHAPE MEMORY ALLOYS  
SILICON ALLOYS  
STAINLESS STEELS  
SULFIDATION

### NICKEL CADMIUM BATTERIES

UF CADMIUM NICKEL BATTERIES

### NICKEL CADMIUM BATTERIES-(CONT.)

GS ELECTROCHEMICAL CELLS  
. ELECTRIC BATTERIES  
. . . STORAGE BATTERIES  
. . . **NICKEL CADMIUM BATTERIES**  
RT DRY CELLS  
SILVER CADMIUM BATTERIES

### NICKEL COATINGS

GS COATINGS  
. METAL COATINGS  
. . . **NICKEL COATINGS**  
RT CORROSION PREVENTION  
METAL FILMS  
PROTECTIVE COATINGS

### NICKEL COMPOUNDS

GS **NICKEL COMPOUNDS**  
. COHENITE  
. NICKEL FLUORIDES  
. NICKEL OXIDES  
. SCHREIBERSITE  
RT ∞ CHEMICAL COMPOUNDS  
∞ GROUP 8 COMPOUNDS  
∞ METAL COMPOUNDS

### NICKEL FLUORIDES

GS HALOGEN COMPOUNDS  
. FLUORINE COMPOUNDS  
. . . FLUORIDES  
. . . METAL FLUORIDES  
. . . **NICKEL FLUORIDES**  
NICKEL COMPOUNDS  
. **NICKEL FLUORIDES**

### NICKEL HYDROGEN BATTERIES

GS ELECTROCHEMICAL CELLS  
. ELECTRIC BATTERIES  
. . . STORAGE BATTERIES  
. . . **NICKEL HYDROGEN BATTERIES**  
RT ENERGY STORAGE  
HYDROGEN-BASED ENERGY  
SPACECRAFT POWER SUPPLIES

### NICKEL IRON BATTERIES

GS ELECTROCHEMICAL CELLS  
. ELECTRIC BATTERIES  
. . . **NICKEL IRON BATTERIES**  
RT LEAD ACID BATTERIES  
NICKEL ZINC BATTERIES  
STORAGE BATTERIES

### NICKEL ISOTOPES

GS CHEMICAL ELEMENTS  
. **NICKEL**  
. . . **NICKEL ISOTOPES**  
. . . NUCLIDES  
. . . ISOTOPES  
. . . **NICKEL ISOTOPES**  
METALS  
. TRANSITION METALS  
. . . **NICKEL**  
. . . **NICKEL ISOTOPES**

### NICKEL OXIDES

GS CHALCOGENIDES  
. OXIDES  
. . . METAL OXIDES  
. . . **NICKEL OXIDES**  
NICKEL COMPOUNDS  
. **NICKEL OXIDES**

### NICKEL PLATE

GS PLATING  
. **NICKEL PLATE**  
RT ELECTROPLATING  
GOLD COATINGS

### NICKEL STEELS

GS ALLOYS  
. IRON ALLOYS  
. . . STEELS  
. . . **NICKEL STEELS**  
RT STAINLESS STEELS

### NICKEL ZINC BATTERIES

UF ZINC NICKEL BATTERIES  
GS ELECTRIC GENERATORS  
. DIRECT POWER GENERATORS  
. . . PRIMARY BATTERIES  
. . . DRY CELLS  
. . . **NICKEL ZINC BATTERIES**  
ELECTROCHEMICAL CELLS  
. ELECTRIC BATTERIES

## NICOTINAMIDE

### NICKEL ZINC BATTERIES-(CONT.)

- ... PRIMARY BATTERIES
- ... DRY CELLS
- ... **NICKEL ZINC BATTERIES**
- ... STORAGE BATTERIES
- ... **NICKEL ZINC BATTERIES**
- RT NICKEL IRON BATTERIES

### NICOTINAMIDE

- GS BASES (CHEMICAL)
- ... ALKALOIDS
- ... **NICOTINAMIDE**
- NITROGEN COMPOUNDS
- ... ALKALOIDS
- ... **NICOTINAMIDE**
- ... AMIDES
- ... **NICOTINAMIDE**
- ORGANIC COMPOUNDS
- ... CYCLIC COMPOUNDS
- ... HETEROCYCLIC COMPOUNDS
- ... ALKALOIDS
- ... **NICOTINAMIDE**
- VITAMINS
- ... **NICOTINAMIDE**

### NICOTINE

- GS BASES (CHEMICAL)
- ... ALKALOIDS
- ... **NICOTINE**
- NITROGEN COMPOUNDS
- ... ALKALOIDS
- ... **NICOTINE**
- ORGANIC COMPOUNDS
- ... CYCLIC COMPOUNDS
- ... HETEROCYCLIC COMPOUNDS
- ... ALKALOIDS
- ... **NICOTINE**
- RT TOBACCO

### NICOTINIC ACID

- GS ACIDS
- ... CARBOXYLIC ACIDS
- ... **NICOTINIC ACID**
- ORGANIC COMPOUNDS
- ... CARBOXYLIC ACIDS
- ... **NICOTINIC ACID**
- ... CYCLIC COMPOUNDS
- ... HETEROCYCLIC COMPOUNDS
- ... **NICOTINIC ACID**
- VITAMINS
- ... **NICOTINIC ACID**

### NIGELLA

- GS PLANTS (BOTANY)
- ... **NIGELLA**
- RT BOTANY

### NIGER

- GS NATIONS
- ... **NIGER**
- RT AFRICA

### NIGERIA

- GS NATIONS
- ... **NIGERIA**
- RT AFRICA

### NIGHT

- RT DARKENING
- DARKNESS
- DAYTIME
- DIURNAL VARIATIONS
- EVENING
- SHADOWS
- SKY BRIGHTNESS
- TWILIGHT GLOW

### NIGHT AIRGLOW

- USE NIGHTGLOW

### NIGHT E LAYER

- USE E REGION
- NIGHT SKY

### NIGHT F LAYER

- USE F REGION
- NIGHT SKY

### NIGHT FLIGHTS (AIRCRAFT)

- RT  $\infty$  AIRCRAFT
- APPROACH CONTROL
- BLIND LANDING
- DARKNESS
- FLIGHT INSTRUMENTS

### NIGHT FLIGHTS (AIRCRAFT)-(CONT.)

- INSTRUMENT APPROACH
- INSTRUMENT LANDING SYSTEMS
- NAP-OF-THE-EARTH NAVIGATION
- RADAR
- RADIO BEACONS
- VISIBILITY

### NIGHT SKY

- UF NIGHT E LAYER
- NIGHT F LAYER
- GS SKY
- ... **NIGHT SKY**
- RT AIRGLOW
- AURORAS
- GEGENSCHEIN
- NIGHTGLOW
- SKY BRIGHTNESS
- TWILIGHT GLOW
- ZODIACAL LIGHT

### NIGHT VISION

- GS VISION
- ... **NIGHT VISION**
- RT DARK ADAPTATION
- IMAGE INTENSIFIERS
- LIGHT ADAPTATION
- MICROCHANNELS
- NAP-OF-THE-EARTH NAVIGATION

### NIGHTGLOW

- UF NIGHT AIRGLOW
- GS ATMOSPHERIC RADIATION
- ... SKY RADIATION
- ... AIRGLOW
- ... **NIGHTGLOW**
- ELECTROMAGNETIC RADIATION
- ... LIGHT (VISIBLE RADIATION)
- ... SKY RADIATION
- ... AIRGLOW
- ... **NIGHTGLOW**
- RT BIOMETEOROLOGY
- NIGHT SKY
- RADIO AURORAS
- SKY BRIGHTNESS

### NIGOTRONS

- GS ELECTRON TUBES
- ... VACUUM TUBES
- ... MICROWAVE TUBES
- ... MAGNETRONS
- ... **NIGOTRONS**
- MICROWAVE EQUIPMENT
- ... MICROWAVE OSCILLATORS
- ... MAGNETRONS
- ... **NIGOTRONS**
- ... MICROWAVE TUBES
- ... MAGNETRONS
- ... **NIGOTRONS**
- OSCILLATORS
- ... MICROWAVE OSCILLATORS
- ... MAGNETRONS
- ... **NIGOTRONS**

### NIHON AIRCRAFT

- UF NAMC AIRCRAFT
- GS **NIHON AIRCRAFT**
- ... YS-11 AIRCRAFT
- RT  $\infty$  AIRCRAFT

### NIHON YS-11 AIRCRAFT

- USE YS-11 AIRCRAFT

### NIKE BOOSTER ROCKET ENGINES

- GS ENGINES
- ... ROCKET ENGINES
- ... BOOSTER ROCKET ENGINES
- ... **NIKE BOOSTER ROCKET ENGINES**
- ... SOLID PROPELLANT ROCKET ENGINES
- ... **NIKE BOOSTER ROCKET ENGINES**
- RT  $\infty$  NIKE ROCKETS

### NIKE MISSILES

- GS MISSILES
- ... SURFACE TO AIR MISSILES
- ... **NIKE MISSILES**
- ... NIKE-AJAX MISSILE
- ... NIKE-HERCULES MISSILE
- ... NIKE-ZEUS MISSILE
- RT ANTI-AIRCRAFT MISSILES
- ANTI-MISSILE MISSILES
- $\infty$  NIKE ROCKETS
- SENTINEL SYSTEM

### NIKE PROJECT

- GS PROGRAMS
- ... PROJECTS
- ... **NIKE PROJECT**
- RT  $\infty$  NIKE ROCKETS

### NIKE ROCKET VEHICLES

- GS ROCKET VEHICLES
- ... MULTISTAGE ROCKET VEHICLES
- ... **NIKE ROCKET VEHICLES**
- ... NIKE-APACHE ROCKET VEHICLE
- ... NIKE-CAJUN ROCKET VEHICLE
- ... NIKE-HYDAC ROCKET VEHICLE
- ... NIKE-IROQUOIS ROCKET VEHICLE
- ... NIKE-JAVELIN ROCKET VEHICLE
- ... NIKE-TOMAHAWK ROCKET VEHICLE
- RT  $\infty$  NIKE ROCKETS
- $\infty$  VEHICLES

### $\infty$ NIKE ROCKETS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT NIKE BOOSTER ROCKET ENGINES
- NIKE MISSILES
- NIKE PROJECT
- NIKE ROCKET VEHICLES

### NIKE X SYSTEMS

- GS WEAPON SYSTEMS
- ... MISSILE SYSTEMS
- ... **NIKE X SYSTEMS**
- RT ANTIMISSILE MISSILES
- MISSILES
- SURFACE TO AIR MISSILES
- $\infty$  SYSTEMS

### NIKE-AJAX MISSILE

- GS MISSILES
- ... ANTI-AIRCRAFT MISSILES
- ... **NIKE-AJAX MISSILE**
- ... SURFACE TO AIR MISSILES
- ... NIKE MISSILES
- ... **NIKE-AJAX MISSILE**
- RT ARGO ROCKET VEHICLES
- EXOS SOUNDING ROCKET
- LIQUID PROPELLANT ROCKET ENGINES
- SOLID PROPELLANT ROCKET ENGINES
- TRAILBLAZER 1 REENTRY VEHICLE

### NIKE-APACHE ROCKET VEHICLE

- GS ROCKET VEHICLES
- ... MULTISTAGE ROCKET VEHICLES
- ... NIKE ROCKET VEHICLES
- ... **NIKE-APACHE ROCKET VEHICLE**
- RT SOLID PROPELLANT ROCKET ENGINES

### NIKE-ASP ROCKET

- USE ASP ROCKET VEHICLE

### NIKE-CAJUN ROCKET VEHICLE

- GS ROCKET VEHICLES
- ... MULTISTAGE ROCKET VEHICLES
- ... NIKE ROCKET VEHICLES
- ... **NIKE-CAJUN ROCKET VEHICLE**
- RT CAJUN ROCKET VEHICLE
- SOLID PROPELLANT ROCKET ENGINES

### NIKE-HERCULES MISSILE

- GS MISSILES
- ... ANTI-AIRCRAFT MISSILES
- ... **NIKE-HERCULES MISSILE**
- ... SURFACE TO AIR MISSILES
- ... NIKE MISSILES
- ... **NIKE-HERCULES MISSILE**
- RT SOLID PROPELLANT ROCKET ENGINES

### NIKE-HYDAC ROCKET VEHICLE

- GS ROCKET VEHICLES
- ... MULTISTAGE ROCKET VEHICLES
- ... NIKE ROCKET VEHICLES
- ... **NIKE-HYDAC ROCKET VEHICLE**
- RT  $\infty$  VEHICLES

### NIKE-IROQUOIS ROCKET VEHICLE

- GS ROCKET VEHICLES
- ... MULTISTAGE ROCKET VEHICLES
- ... NIKE ROCKET VEHICLES
- ... **NIKE-IROQUOIS ROCKET VEHICLE**
- RT  $\infty$  VEHICLES

### NIKE-JAVELIN ROCKET VEHICLE

- GS ROCKET VEHICLES
- ... MULTISTAGE ROCKET VEHICLES

## NITRAMINE PROPELLANTS

### NIKE-JAVELIN ROCKET VEHICLE-(CONT.)

.. NIKE ROCKET VEHICLES  
 ... **NIKE-JAVELIN ROCKET VEHICLE**  
 RT SOLID PROPELLANT ROCKET ENGINES  
 SOUNDING ROCKETS

### NIKE-TOMAHAWK ROCKET VEHICLE

GS ROCKET VEHICLES  
 .. MULTISTAGE ROCKET VEHICLES  
 .. NIKE ROCKET VEHICLES  
 ... **NIKE-TOMAHAWK ROCKET VEHICLE**  
 RT SOLID PROPELLANT ROCKET ENGINES

### NIKE-ZEUS MISSILE

UF ZEUS MISSILE  
 GS MISSILES  
 .. ANTIMISSILE MISSILES  
 .. **NIKE-ZEUS MISSILE**  
 .. SURFACE TO AIR MISSILES  
 .. NIKE MISSILES  
 ... **NIKE-ZEUS MISSILE**  
 RT SOLID PROPELLANT ROCKET ENGINES  
 SPARTAN MISSILE  
 SPRINT MISSILE

### NIMBOSTRATUS CLOUDS

UF NIMBUS CLOUDS  
 GS CLOUDS (METEOROLOGY)  
 .. **NIMBOSTRATUS CLOUDS**  
 RT CUMULONIMBUS CLOUDS  
 PRECIPITATION (METEOROLOGY)  
 STRATUS CLOUDS

### NIMBUS CLOUDS

USE NIMBOSTRATUS CLOUDS

### NIMBUS PROJECT

GS PROGRAMS  
 .. NASA PROGRAMS  
 .. NASA SPACE PROGRAMS  
 ... **NIMBUS PROJECT**  
 .. PROJECTS  
 .. **NIMBUS PROJECT**  
 .. SPACE PROGRAMS  
 .. NASA SPACE PROGRAMS  
 ... **NIMBUS PROJECT**  
 RT CLOUD PHOTOGRAPHY  
 METEOROLOGICAL SATELLITES  
 SATELLITE OBSERVATION

### NIMBUS SATELLITES

GS ARTIFICIAL SATELLITES  
 .. METEOROLOGICAL SATELLITES  
 .. **NIMBUS SATELLITES**  
 ... NIMBUS 1 SATELLITE  
 ... NIMBUS 2 SATELLITE  
 ... NIMBUS 3 SATELLITE  
 ... NIMBUS 4 SATELLITE  
 ... NIMBUS 5 SATELLITE  
 ... NIMBUS 6 SATELLITE  
 ... NIMBUS 7 SATELLITE  
 RT CLOUD PHOTOGRAPHY  
 ESSA SATELLITES  
 INFRARED PHOTOGRAPHY  
 SATELLITE OBSERVATION  
 THOR AGENA LAUNCH VEHICLE

### NIMBUS 1 SATELLITE

GS ARTIFICIAL SATELLITES  
 .. METEOROLOGICAL SATELLITES  
 .. NIMBUS SATELLITES  
 ... **NIMBUS 1 SATELLITE**  
 RT CLOUD PHOTOGRAPHY  
 THOR AGENA LAUNCH VEHICLE

### NIMBUS 2 SATELLITE

GS ARTIFICIAL SATELLITES  
 .. METEOROLOGICAL SATELLITES  
 .. NIMBUS SATELLITES  
 ... **NIMBUS 2 SATELLITE**  
 RT CLOUD PHOTOGRAPHY  
 THOR AGENA LAUNCH VEHICLE

### NIMBUS 3 SATELLITE

GS ARTIFICIAL SATELLITES  
 .. METEOROLOGICAL SATELLITES  
 .. NIMBUS SATELLITES  
 ... **NIMBUS 3 SATELLITE**

### NIMBUS 4 SATELLITE

GS ARTIFICIAL SATELLITES  
 .. METEOROLOGICAL SATELLITES  
 .. NIMBUS SATELLITES

### NIMBUS 4 SATELLITE-(CONT.)

... **NIMBUS 4 SATELLITE**

### NIMBUS 5 SATELLITE

GS ARTIFICIAL SATELLITES  
 .. METEOROLOGICAL SATELLITES  
 .. NIMBUS SATELLITES  
 ... **NIMBUS 5 SATELLITE**

### NIMBUS 6 SATELLITE

GS ARTIFICIAL SATELLITES  
 .. METEOROLOGICAL SATELLITES  
 .. NIMBUS SATELLITES  
 ... **NIMBUS 6 SATELLITE**

### NIMBUS 7 SATELLITE

GS ARTIFICIAL SATELLITES  
 .. METEOROLOGICAL SATELLITES  
 .. NIMBUS SATELLITES  
 ... **NIMBUS 7 SATELLITE**

### NIMONIC ALLOYS

GS ALLOYS  
 .. HEAT RESISTANT ALLOYS  
 .. **NIMONIC ALLOYS**  
 RT IRON ALLOYS  
 NICKEL ALLOYS

### NIMPHE (ENGINE)

USE HYDRAZINE ENGINES

### NIMROD ACCELERATOR

GS PARTICLE ACCELERATORS  
 .. **NIMROD ACCELERATOR**  
 RT ∞ ACCELERATORS

### NIOBATES

GS NIOBIUM COMPOUNDS  
 .. **NIOBATES**  
 .. LITHIUM NIOBATES  
 RT EUXENITE  
 OXIDES  
 ∞ OXYGEN COMPOUNDS

### NIOBIUM

UF COLUMBIUM  
 GS CHEMICAL ELEMENTS  
 .. **NIOBIUM**  
 ... NIOBIUM ISOTOPES  
 ... NIOBIUM 95  
 METALS  
 .. REFRACTORY METALS  
 .. **NIOBIUM**  
 ... NIOBIUM ISOTOPES  
 ... NIOBIUM 95  
 .. TRANSITION METALS  
 .. **NIOBIUM**  
 ... NIOBIUM ISOTOPES  
 ... NIOBIUM 95  
 REFRACTORY MATERIALS  
 .. REFRACTORY METALS  
 .. **NIOBIUM**  
 ... NIOBIUM ISOTOPES  
 ... NIOBIUM 95

### NIOBIUM ALLOYS

GS ALLOYS  
 .. HEAT RESISTANT ALLOYS  
 .. REFRACTORY METAL ALLOYS  
 ... **NIOBIUM ALLOYS**  
 REFRACTORY MATERIALS  
 .. REFRACTORY METAL ALLOYS  
 .. **NIOBIUM ALLOYS**  
 RT HAFNIUM ALLOYS

### NIOBIUM CARBIDES

GS CARBON COMPOUNDS  
 .. CARBIDES  
 .. **NIOBIUM CARBIDES**  
 NIOBIUM COMPOUNDS  
 .. **NIOBIUM CARBIDES**

### NIOBIUM COMPOUNDS

GS **NIOBIUM COMPOUNDS**  
 .. NIOBATES  
 .. LITHIUM NIOBATES  
 .. NIOBIUM CARBIDES  
 .. NIOBIUM IODIDES  
 .. NIOBIUM OXIDES  
 .. NIOBIUM STANNIDES  
 RT ∞ CHEMICAL COMPOUNDS  
 ∞ GROUP 5B COMPOUNDS  
 ∞ METAL COMPOUNDS

### NIOBIUM IODIDES

GS HALOGEN COMPOUNDS  
 .. HALIDES  
 .. METAL HALIDES  
 ... **NIOBIUM IODIDES**  
 .. IODINE COMPOUNDS  
 .. IODIDES  
 ... **NIOBIUM IODIDES**  
 NIOBIUM COMPOUNDS  
 .. **NIOBIUM IODIDES**

### NIOBIUM ISOTOPES

GS CHEMICAL ELEMENTS  
 .. NIOBIUM  
 .. **NIOBIUM ISOTOPES**  
 ... NIOBIUM 95  
 .. NUCLIDES  
 .. ISOTOPES  
 ... **NIOBIUM ISOTOPES**  
 ... NIOBIUM 95  
 METALS  
 .. REFRACTORY METALS  
 .. NIOBIUM  
 ... **NIOBIUM ISOTOPES**  
 ... NIOBIUM 95  
 .. TRANSITION METALS  
 .. NIOBIUM  
 ... **NIOBIUM ISOTOPES**  
 ... NIOBIUM 95  
 REFRACTORY MATERIALS  
 .. REFRACTORY METALS  
 .. NIOBIUM  
 ... **NIOBIUM ISOTOPES**  
 ... NIOBIUM 95

### NIOBIUM OXIDES

GS CHALCOGENIDES  
 .. OXIDES  
 .. METAL OXIDES  
 ... **NIOBIUM OXIDES**  
 NIOBIUM COMPOUNDS  
 .. **NIOBIUM OXIDES**

### NIOBIUM STANNIDES

GS NIOBIUM COMPOUNDS  
 .. **NIOBIUM STANNIDES**  
 TIN COMPOUNDS  
 .. STANNIDES  
 .. **NIOBIUM STANNIDES**

### NIOBIUM 95

GS CHEMICAL ELEMENTS  
 .. NIOBIUM  
 .. NIOBIUM ISOTOPES  
 ... **NIOBIUM 95**  
 .. NUCLIDES  
 .. ISOTOPES  
 ... NIOBIUM ISOTOPES  
 ... **NIOBIUM 95**  
 .. RADIOACTIVE ISOTOPES  
 ... **NIOBIUM 95**  
 METALS  
 .. REFRACTORY METALS  
 .. NIOBIUM  
 ... NIOBIUM ISOTOPES  
 ... **NIOBIUM 95**  
 .. TRANSITION METALS  
 .. NIOBIUM  
 ... NIOBIUM ISOTOPES  
 ... **NIOBIUM 95**  
 REFRACTORY MATERIALS  
 .. REFRACTORY METALS  
 .. NIOBIUM  
 ... NIOBIUM ISOTOPES  
 ... **NIOBIUM 95**

### NIPS (SYSTEM)

USE NASA INTERACTIVE PLANNING SYSTEM

### NITINOL ALLOYS

GS ALLOYS  
 .. NICKEL ALLOYS  
 .. **NITINOL ALLOYS**  
 .. SHAPE MEMORY ALLOYS  
 .. **NITINOL ALLOYS**  
 .. TITANIUM ALLOYS  
 .. **NITINOL ALLOYS**

### NITRAMINE PROPELLANTS

GS PROPELLANTS  
 .. ROCKET PROPELLANTS  
 .. **NITRAMINE PROPELLANTS**  
 .. SOLID PROPELLANTS  
 .. **NITRAMINE PROPELLANTS**  
 RT OXIDIZERS



## NITRASOL EXPLOSIVES

### NITRASOL EXPLOSIVES

- GS EXPLOSIVES
  - . NITRASOL EXPLOSIVES
- PROPELLANTS
- . NITRASOL EXPLOSIVES

### NITRATE ESTERS

- GS ESTERS
  - . NITRATE ESTERS
  - . ISOPROPYL NITRATE
  - . PROPYL NITRATE
- NITROGEN COMPOUNDS
  - . NITRATE ESTERS
  - . ISOPROPYL NITRATE
  - . PROPYL NITRATE

### NITRATES

- GS NITROGEN COMPOUNDS
  - . NITRATES
  - . DINITRATES
  - . INORGANIC NITRATES
  - . AMMONIUM NITRATES
  - . HYDRAZINE NITRATE
  - . POTASSIUM NITRATES
  - . SILVER NITRATES
  - . SODIUM NITRATES
  - . METHYL NITRATE
  - . ORGANIC NITRATES
  - . CELLULOSE NITRATE
  - . NITROFORMS
  - . HYDRAZINE NITROFORM
  - . NITROGLYCERIN
  - . PETN

### NITRATION

- GS CHEMICAL REACTIONS
  - . NITRATION
- RT DENITROGENATION

### NITRIC ACID

- GS ACIDS
  - . NITRIC ACID
- NITROGEN COMPOUNDS
  - . NITRIC ACID
- RT NITROUS ACID

### NITRIC OXIDE

- GS CHALCOGENIDES
  - . OXIDES
  - . NITROGEN OXIDES
  - . NITRIC OXIDE
- NITROGEN COMPOUNDS
  - . NITROGEN OXIDES
  - . NITRIC OXIDE
- RT NITROSOLS

### NITRIDES

- GS NITROGEN COMPOUNDS
  - . NITRIDES
  - . BORON NITRIDES
  - . METAL NITRIDES
  - . ALUMINUM NITRIDES
  - . BERYLLIUM NITRIDES
  - . GALLIUM NITRIDES
  - . TANTALUM NITRIDES
  - . TITANIUM NITRIDES
  - . ZIRCONIUM NITRIDES
  - . OXYNITRIDES
  - . SILICON NITRIDES
- RT CERAMIC NUCLEAR FUELS
- MOLTEN SALTS

### NITRIDING

- GS CHEMICAL REACTIONS
  - . NITRIDING
- HARDENING (MATERIALS)
- . NITRIDING
- HEAT TREATMENT
- . NITRIDING

### NITRILES

- GS NITRILES
  - . ACETONITRILE
  - . ACRYLONITRILES
  - . MALONONITRILE
  - . PHOSPHONITRILES
- RT CYANO COMPOUNDS

### NITRITES

- GS NITROGEN COMPOUNDS
  - . NITRITES

### NITRO COMPOUNDS

- GS NITROGEN COMPOUNDS

### NITRO COMPOUNDS-(CONT.)

- . NITRO COMPOUNDS
- . NITROBENZENES
- . TRINITROTOLUENE
- . NITROGLYCERIN
- . NITROGUANIDINE
- . NITROMETHANE
- . NITROPROPANE
- . PICRATES
- . AMMONIUM PICRATES
- . POLYBUTADIENE TETRANITRAMINE
- . TETRYL
- . TRINITRO COMPOUNDS
- RT . . . . . CHEMICAL COMPOUNDS

### NITROAMINES

- GS AMINES
  - . NITROAMINES
- NITROGEN COMPOUNDS
  - . NITROAMINES

### NITROBACTER

- GS MICROORGANISMS
  - . BACTERIA
  - . NITROBACTER

### NITROBENZENES

- GS NITROGEN COMPOUNDS
  - . NITRO COMPOUNDS
  - . NITROBENZENES
  - . TRINITROTOLUENE

### NITROCELLULOSE

- USE CELLULOSE NITRATE

### NITROFLUORAMINES

- GS AMINES
  - . FLUOROAMINES
  - . NITROFLUORAMINES
- HALOGEN COMPOUNDS
  - . FLUORINE COMPOUNDS
  - . FLUORO COMPOUNDS
  - . FLUORINE ORGANIC COMPOUNDS
  - . FLUOROAMINES
  - . NITROFLUORAMINES
- NITROGEN COMPOUNDS
  - . NITROFLUORAMINES
- ORGANIC COMPOUNDS
  - . FLUORINE ORGANIC COMPOUNDS
  - . FLUOROAMINES
  - . NITROFLUORAMINES

### NITROFORMATES

- GS FORMATES
  - . NITROFORMATES
- NITROGEN COMPOUNDS
  - . NITROFORMATES

### NITROFORMS

- GS ESTERS
  - . ORGANIC NITRATES
  - . NITROFORMS
  - . HYDRAZINE NITROFORM
- NITROGEN COMPOUNDS
  - . NITRATES
  - . ORGANIC NITRATES
  - . NITROFORMS
  - . HYDRAZINE NITROFORM

### NITROGEN

- GS CHEMICAL ELEMENTS
  - . NITROGEN
  - . LIQUID NITROGEN
  - . NITROGEN ISOTOPES
  - . NITROGEN 15
  - . NITROGEN 16
  - . SOLID NITROGEN
- GASES
  - . NITROGEN
  - . LIQUID NITROGEN
  - . NITROGEN ISOTOPES
  - . NITROGEN 15
  - . NITROGEN 16
  - . SOLID NITROGEN
- RT KJELDAHL METHOD
- NITROGEN ATOMS
- NITROGEN IONS
- NITROGEN LASERS
- NITROGENATION
- NITROLYSIS
- REACTION BONDING
- SIALON
- VEGARD-KAPLAN BANDS
- WOLF-RAYET STARS

### NITROGEN ATOMS

- GS ATOMS
  - . NITROGEN ATOMS
- RT NITROGEN

### NITROGEN COMPOUNDS

- GS NITROGEN COMPOUNDS
  - . ALKALOIDS
  - . ATROPINE
  - . BETAINES
  - . CAFFEINE
  - . COLCHICINE
  - . ERGOTAMINE
  - . HYOSCYNE
  - . LYSERGINE
  - . MORPHINE
  - . NICOTINAMIDE
  - . NICOTINE
  - . PILOCARPINE
  - . RESERPINE
  - . STRYCHNINE
  - . TROPYL COMPOUNDS
- AMIDES
  - . ACETANILIDE
  - . ACETAZOLAMIDE
  - . CARBAMIDES
  - . CYANAMIDES
  - . FORMHYDROXAMIC ACID
  - . LYSERGAMIDE
  - . NICOTINAMIDE
  - . OXAMIC ACIDS
  - . POLYIMIDES
  - . BISMALIMIDE
  - . SUCCINIMIDES
  - . UREAS
  - . DIFLUOROUREA
  - . THIOUREAS
  - . THIURONIUM
- AMMONIA
  - . LIQUID AMMONIA
  - . AZIDES (INORGANIC)
  - . HYDROGEN AZIDES
  - . SODIUM AZIDES
  - . AZIDES (ORGANIC)
  - . SODIUM AZIDES
  - . TRIAMINOQUANIDINIUM AZIDE
- AZO COMPOUNDS
  - . HMX
  - . RDX
- CYANO COMPOUNDS
  - . CYANAMIDES
  - . CYANOACETYLENE
  - . ISOCYANATES
  - . DIISOCYANATES
  - . FULMINATES
- FOLIC ACID
- HYDRAZINIUM COMPOUNDS
- HYDRAZOIC ACID
- HYDRAZONES
- HYDROCYANIC ACID
- IMIDES
  - . BISMALIMIDE
  - . SUCCINIMIDES
- IMINES
- NITRATE ESTERS
  - . ISOPROPYL NITRATE
  - . PROPYL NITRATE
- NITRATES
  - . DINITRATES
  - . INORGANIC NITRATES
  - . AMMONIUM NITRATES
  - . HYDRAZINE NITRATE
  - . POTASSIUM NITRATES
  - . SILVER NITRATES
  - . SODIUM NITRATES
  - . METHYL NITRATE
  - . ORGANIC NITRATES
  - . CELLULOSE NITRATE
  - . NITROFORMS
  - . HYDRAZINE NITROFORM
  - . NITROGLYCERIN
  - . PETN
- NITRIC ACID
- NITRIDES
  - . BORON NITRIDES
  - . METAL NITRIDES
  - . ALUMINUM NITRIDES
  - . BERYLLIUM NITRIDES
  - . GALLIUM NITRIDES
  - . TANTALUM NITRIDES
  - . TITANIUM NITRIDES
  - . ZIRCONIUM NITRIDES
  - . OXYNITRIDES
  - . SILICON NITRIDES
- NITRITES
- NITRO COMPOUNDS

## NITROSYL CHLORIDES

### NITROGEN COMPOUNDS-(CONT.)

. . . NITROBENZENES  
 . . . TRINITROTOLUENE  
 . . . NITROGLYCERIN  
 . . . NITROGUANIDINE  
 . . . NITROMETHANE  
 . . . NITROPROPANE  
 . . . PICRATES  
 . . . AMMONIUM PICRATES  
 . . . POLYBUTADIENE TETRANITRAMINE  
 . . . TETRYL  
 . . . TRINITRO COMPOUNDS  
 . . . NITROAMINES  
 . . . NITROFLUORAMINES  
 . . . NITROFORMATES  
 . . . NITROGEN FLUORIDES  
 . . . NITROGEN HYDRIDES  
 . . . AMINO RADICAL  
 . . . NITROGEN OXIDES  
 . . . NITRIC OXIDE  
 . . . NITROGEN DIOXIDE  
 . . . NITROGEN TETROXIDE  
 . . . NITROUS OXIDES  
 . . . NITROGEN POLYMERS  
 . . . NITROSAMINE  
 . . . NITROSO COMPOUNDS  
 . . . NITROSYLS  
 . . . NITROXYCHLORIDES  
 . . . NITRYL CHLORIDES  
 . . . NITRYL FLUORIDES  
 . . . PHOSPHONITRILES  
 . . . QUINOLINE  
 . . . THIAZINE (TRADEMARK)  
 . . . THYMINE  
 . . . TRINITRAMINE  
 . . . TRYPTOPHAN  
 . . . URACIL  
 . . . XANTHINES  
 . . . CAFFEINE  
 . . . GUANINES  
 . . . URIC ACID  
 RT  $\infty$  CHEMICAL COMPOUNDS  
     CYANIDES  
      $\infty$  GROUP 5A COMPOUNDS  
     PHOSPHAZENE

### NITROGEN DIOXIDE

GS CHALCOGENIDES  
     OXIDES  
     . . . NITROGEN OXIDES  
     . . . NITROGEN DIOXIDE  
     NITROGEN COMPOUNDS  
     . . . NITROGEN OXIDES  
     . . . NITROGEN DIOXIDE

### NITROGEN FIXATION

USE NITROGENATION

### NITROGEN FLUORIDES

GS HALOGEN COMPOUNDS  
     FLUORINE COMPOUNDS  
     . . . FLUORIDES  
     . . . NITROGEN FLUORIDES  
     HALIDES  
     . . . FLUORIDES  
     . . . NITROGEN FLUORIDES  
     NITROGEN COMPOUNDS  
     . . . NITROGEN FLUORIDES

### NITROGEN HYDRIDES

GS HYDROGEN COMPOUNDS  
     HYDRIDES  
     . . . NITROGEN HYDRIDES  
     . . . AMINO RADICAL  
     NITROGEN COMPOUNDS  
     . . . NITROGEN HYDRIDES  
     . . . AMINO RADICAL  
 RT AMMONIA  
     HYDRAZOIC ACID

### NITROGEN IONS

GS IONS  
     . . . NITROGEN IONS  
 RT NEGATIVE IONS  
     NITROGEN

### NITROGEN ISOTOPES

GS CHEMICAL ELEMENTS  
     NITROGEN  
     . . . NITROGEN ISOTOPES  
     . . . NITROGEN 15  
     . . . NITROGEN 16  
     NUCLIDES  
     . . . ISOTOPES  
     . . . NITROGEN ISOTOPES

### NITROGEN ISOTOPES-(CONT.)

. . . . NITROGEN 15  
 . . . . NITROGEN 16  
 GASES  
     . . . NITROGEN  
     . . . NITROGEN ISOTOPES  
     . . . NITROGEN 15  
     . . . NITROGEN 16

### NITROGEN LASERS

GS STIMULATED EMISSION DEVICES  
     LASERS  
     . . . GAS LASERS  
     . . . NITROGEN LASERS  
 RT LASING  
     NITROGEN  
     POPULATION INVERSION  
     PULSED LASERS  
     ULTRAVIOLET LASERS

### NITROGEN METABOLISM

GS METABOLISM  
     . . . NITROGEN METABOLISM  
 RT BIOCHEMISTRY  
      $\infty$  BIOLOGY  
     ENZYMOLGY  
     HYDROGEN METABOLISM  
     NUTRITION

### NITROGEN OXIDES

GS CHALCOGENIDES  
     OXIDES  
     . . . NITROGEN OXIDES  
     . . . NITRIC OXIDE  
     . . . NITROGEN DIOXIDE  
     . . . NITROGEN TETROXIDE  
     . . . NITROUS OXIDES  
     NITROGEN COMPOUNDS  
     . . . NITROGEN OXIDES  
     . . . NITRIC OXIDE  
     . . . NITROGEN DIOXIDE  
     . . . NITROGEN TETROXIDE  
     . . . NITROUS OXIDES  
 RT NITROSYLS  
     NITROUS ACID  
     PHOTOCHEMICAL OXIDANTS

### NITROGEN PLASMA

GS PARTICLES  
     CHARGED PARTICLES  
     . . . ENERGETIC PARTICLES  
     . . . PLASMAS (PHYSICS)  
     . . . NITROGEN PLASMA

### NITROGEN POLYMERS

GS NITROGEN COMPOUNDS  
     . . . NITROGEN POLYMERS  
 RT  $\infty$  POLYMERS

### NITROGEN TETROXIDE

GS CHALCOGENIDES  
     OXIDES  
     . . . NITROGEN OXIDES  
     . . . NITROGEN TETROXIDE  
     NITROGEN COMPOUNDS  
     . . . NITROGEN OXIDES  
     . . . NITROGEN TETROXIDE  
 RT LIQUID ROCKET PROPELLANTS  
     ROCKET OXIDIZERS

### NITROGEN 15

GS CHEMICAL ELEMENTS  
     NITROGEN  
     . . . NITROGEN ISOTOPES  
     . . . NITROGEN 15  
     NUCLIDES  
     . . . ISOTOPES  
     . . . NITROGEN ISOTOPES  
     . . . NITROGEN 15  
     GASES  
     . . . NITROGEN  
     . . . NITROGEN ISOTOPES  
     . . . NITROGEN 15

### NITROGEN 16

GS CHEMICAL ELEMENTS  
     NITROGEN  
     . . . NITROGEN ISOTOPES  
     . . . NITROGEN 16  
     NUCLIDES  
     . . . ISOTOPES  
     . . . NITROGEN ISOTOPES  
     . . . NITROGEN 16  
     . . . RADIOACTIVE ISOTOPES  
     . . . NITROGEN 16

### NITROGEN 16-(CONT.)

GASES  
     . . . NITROGEN  
     . . . NITROGEN ISOTOPES  
     . . . NITROGEN 16

### NITROGENATION

UF NITROGEN FIXATION  
 GS CHEMICAL REACTIONS  
     . . . NITROGENATION  
 RT LEGUMINOUS PLANTS  
     LIGHTNING  
     NITROGEN

### NITROGLYCERIN

GS ESTERS  
     . . . ORGANIC NITRATES  
     . . . NITROGLYCERIN  
     NITROGEN COMPOUNDS  
     . . . NITRATES  
     . . . ORGANIC NITRATES  
     . . . NITROGLYCERIN  
     . . . NITRO COMPOUNDS  
     . . . NITROGLYCERIN  
 RT DOUBLE BASE PROPELLANTS  
     DOUBLE BASE ROCKET PROPELLANTS  
     DYNAMITE  
     EXPLOSIVES  
     GLYCERIDES  
     GLYCEROLS

### NITROGUANIDINE

UF HBNQ  
 GS NITROGEN COMPOUNDS  
     . . . NITRO COMPOUNDS  
     . . . NITROGUANIDINE  
 RT EXPLOSIVES  
     SOLID PROPELLANTS

### NITROLYSIS

GS CHEMICAL REACTIONS  
     . . . NITROLYSIS  
     DECOMPOSITION  
     . . . NITROLYSIS  
 RT CRACKING (CHEMICAL ENGINEERING)  
     NITROGEN

### NITROMETHANE

GS NITROGEN COMPOUNDS  
     . . . NITRO COMPOUNDS  
     . . . NITROMETHANE  
 RT BSX  
     EXPLOSIVES

### NITRONIUM COMPOUNDS

GS NITRONIUM COMPOUNDS  
     . . . NITRONIUM PERCHLORATE  
 RT  $\infty$  CHEMICAL COMPOUNDS

### NITRONIUM PERCHLORATE

GS HALOGEN COMPOUNDS  
     . . . CHLORINE COMPOUNDS  
     . . . PERCHLORATES  
     . . . NITRONIUM PERCHLORATE  
     NITRONIUM COMPOUNDS  
     . . . NITRONIUM PERCHLORATE  
 RT ROCKET OXIDIZERS

### NITROPROPANE

GS NITROGEN COMPOUNDS  
     . . . NITRO COMPOUNDS  
     . . . NITROPROPANE  
     ORGANIC COMPOUNDS  
     . . . HYDROCARBONS  
     . . . ALIPHATIC HYDROCARBONS  
     . . . ALKANES  
     . . . NITROPROPANE  
 RT PROPANE

### NITROSAMINE

GS AMINES  
     . . . NITROSAMINE  
     NITROGEN COMPOUNDS  
     . . . NITROSAMINE

### NITROSO COMPOUNDS

GS NITROGEN COMPOUNDS  
     . . . NITROSO COMPOUNDS  
     . . . NITROSYLS  
 RT  $\infty$  CHEMICAL COMPOUNDS  
     ORGANIC COMPOUNDS

### NITROSYL CHLORIDES

GS HALOGEN COMPOUNDS

## NITROSYLS

### NITROSYL CHLORIDES-(CONT.)

- .. CHLORINE COMPOUNDS
- .. CHLORIDES
- .. NITROSYL CHLORIDES
- .. HALIDES
- .. CHLORIDES
- .. NITROSYL CHLORIDES
- .. NITROSYLS
- .. NITROSYL CHLORIDES

### NITROSYLS

- GS HALOGEN COMPOUNDS
- .. NITROSYLS
- .. NITROSYL CHLORIDES
- NITROGEN COMPOUNDS
- .. NITROSO COMPOUNDS
- .. NITROSYLS
- RT AMINES
- ESTERS
- HALIDES
- NITRIC OXIDE
- NITROGEN OXIDES

### NITROUS ACID

- RT AIR POLLUTION
- ATMOSPHERIC CHEMISTRY
- NITRIC ACID
- NITROGEN OXIDES
- REACTION KINETICS

### NITROUS OXIDES

- GS CHALCOGENIDES
- .. OXIDES
- .. NITROGEN OXIDES
- .. NITROUS OXIDES
- NITROGEN COMPOUNDS
- .. NITROGEN OXIDES
- .. NITROUS OXIDES

### NITROXYCHLORIDES

- GS HALOGEN COMPOUNDS
- .. CHLORINE COMPOUNDS
- .. CHLORIDES
- .. NITROXYCHLORIDES
- .. HALIDES
- .. CHLORIDES
- .. NITROXYCHLORIDES
- NITROGEN COMPOUNDS
- .. NITROXYCHLORIDES

### NITRYL CHLORIDES

- GS HALOGEN COMPOUNDS
- .. CHLORINE COMPOUNDS
- .. CHLORIDES
- .. NITRYL CHLORIDES
- .. HALIDES
- .. CHLORIDES
- .. NITRYL CHLORIDES
- NITROGEN COMPOUNDS
- .. NITRYL CHLORIDES

### NITRYL FLUORIDES

- GS HALOGEN COMPOUNDS
- .. FLUORINE COMPOUNDS
- .. FLUORIDES
- .. NITRYL FLUORIDES
- NITROGEN COMPOUNDS
- .. NITRYL FLUORIDES

### NMR

- USE NUCLEAR MAGNETIC RESONANCE

### NOAA E

- USE NOAA 8 SATELLITE

### NOAA SATELLITES

- GS ARTIFICIAL SATELLITES
- .. METEOROLOGICAL SATELLITES
- .. NOAA SATELLITES
- .. NOAA 2 SATELLITE
- .. NOAA 3 SATELLITE
- .. NOAA 4 SATELLITE
- .. NOAA 5 SATELLITE
- .. NOAA 6 SATELLITE
- .. NOAA 7 SATELLITE
- .. NOAA 8 SATELLITE
- RT SMS 1
- SMS 2

### NOAA 2 SATELLITE

- GS ARTIFICIAL SATELLITES
- .. METEOROLOGICAL SATELLITES
- .. NOAA SATELLITES
- .. NOAA 2 SATELLITE

### NOAA 3 SATELLITE

- GS ARTIFICIAL SATELLITES
- .. METEOROLOGICAL SATELLITES
- .. NOAA SATELLITES
- .. NOAA 3 SATELLITE

### NOAA 4 SATELLITE

- GS ARTIFICIAL SATELLITES
- .. METEOROLOGICAL SATELLITES
- .. NOAA SATELLITES
- .. NOAA 4 SATELLITE

### NOAA 5 SATELLITE

- GS ARTIFICIAL SATELLITES
- .. METEOROLOGICAL SATELLITES
- .. NOAA SATELLITES
- .. NOAA 5 SATELLITE

### NOAA 6 SATELLITE

- GS ARTIFICIAL SATELLITES
- .. METEOROLOGICAL SATELLITES
- .. NOAA SATELLITES
- .. NOAA 6 SATELLITE

### NOAA 7 SATELLITE

- GS ARTIFICIAL SATELLITES
- .. METEOROLOGICAL SATELLITES
- .. NOAA SATELLITES
- .. NOAA 7 SATELLITE
- RT TIROS N SERIES SATELLITES

### NOAA 8 SATELLITE

- UF NOAA E
- GS ARTIFICIAL SATELLITES
- .. METEOROLOGICAL SATELLITES
- .. NOAA SATELLITES
- .. NOAA 8 SATELLITE
- RT SARSAT

### NOBELIUM

- GS CHEMICAL ELEMENTS
- .. ACTINIDE SERIES
- .. TRANSURANIUM ELEMENTS
- .. NOBELIUM
- .. NUCLIDES
- .. ISOTOPES
- .. RADIOACTIVE ISOTOPES
- .. TRANSURANIUM ELEMENTS
- .. NOBELIUM
- .. METALS
- .. ACTINIDE SERIES
- .. TRANSURANIUM ELEMENTS
- .. NOBELIUM
- RT NOBELIUM ISOTOPES

### NOBELIUM ISOTOPES

- GS CHEMICAL ELEMENTS
- .. NUCLIDES
- .. ISOTOPES
- .. NOBELIUM ISOTOPES
- RT NOBELIUM

### NOBLE GASES

- USE RARE GASES

### NOBLE METALS

- UF PRECIOUS METALS
- GS METALS
- .. NOBLE METALS
- .. GOLD
- .. GOLD ISOTOPES
- .. GOLD 198
- .. RUTHENIUM
- .. RUTHENIUM ISOTOPES
- .. SILVER
- .. SILVER ISOTOPES
- RT  $\infty$  GROUP 1B COMPOUNDS

### NOCTILUCENCE

- USE LUMINESCENCE

### NOCTILUCENT CLOUDS

- GS CLOUDS (METEOROLOGY)
- .. NOCTILUCENT CLOUDS
- RT LUMINESCENCE

### NOCTURNAL VARIATIONS

- GS VARIATIONS
- .. MAGNETIC VARIATIONS
- .. NOCTURNAL VARIATIONS
- .. PERIODIC VARIATIONS
- .. NOCTURNAL VARIATIONS
- RT DIURNAL VARIATIONS
- GEOMAGNETIC MICROPULSATIONS

### NOCTURNAL VARIATIONS-(CONT.)

- GEOMAGNETIC PULSATIONS

### NODES (STANDING WAVES)

- RT ANTINODES
- HARMONICS
- RESONANT FREQUENCIES
- STANDING WAVES
- VIBRATION
- WAVELENGTHS
- $\infty$  WAVES

### NODULES

- RT LEGUMINOUS PLANTS
- PARTICLES
- SPHERES
- SPHERULITES

### NOE NAVIGATION

- USE NAP-OF-THE-EARTH NAVIGATION

### NOESS

- SN (NATIONAL OPERATIONAL ENVIRONMENTAL SATELLITE SYSTEM)
- UF NATIONAL OPERATIONAL ENVIRONMENTAL SAT SYS
- RT METEOROLOGICAL SATELLITES
- METEOROLOGY
- NASA PROGRAMS
- OBSERVATION
- $\infty$  SYSTEMS

### $\infty$ NOISE

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
- RT BACKGROUND NOISE
- CONTINUOUS NOISE
- EFFECTIVE PERCEIVED NOISE LEVELS
- ELECTROMAGNETIC NOISE
- HUM
- INFORMATION THEORY
- NOISE (SOUND)
- NOISE PROPAGATION
- NOISE SPECTRA
- RANDOM NOISE
- SIGNAL TO NOISE RATIOS
- SPATIAL FILTERING
- WHITE NOISE

### NOISE (SOUND)

- UF NOISE HAZARDS
- GS ELASTIC WAVES
- SOUND WAVES
- .. NOISE (SOUND)
- .. AERODYNAMIC NOISE
- .. BLADE SLAP NOISE
- .. AIRCRAFT NOISE
- .. BLADE SLAP NOISE
- .. JET AIRCRAFT NOISE
- .. SONIC BOOMS
- .. ENGINE NOISE
- .. ROCKET ENGINE NOISE
- .. THERMAL NOISE
- RT ACOUSTICS
- AEOLIAN TONES
- AIRCRAFT HAZARDS
- AMBIENCE
- AUDITORY STIMULI
- AUDITORY TASKS
- BACKGROUND NOISE
- ECHOES
- EFFECTIVE PERCEIVED NOISE LEVELS
- FLIGHT HAZARDS
- HUMAN FACTORS ENGINEERING
- HYPERSONIC SHOCK
- JET BLAST EFFECTS
- LOUDNESS
- MUFFLERS
- NOISE INJURIES
- OPERATIONAL HAZARDS
- RANDOM NOISE
- RANDOM VIBRATION
- REVERBERATION
- SHOCK WAVES
- SOUND PRESSURE
- UNDERWATER ACOUSTICS
- WHITE NOISE

### NOISE ATTENUATION

- USE NOISE REDUCTION

### NOISE ELIMINATION

- USE NOISE REDUCTION

## NONDESTRUCTIVE TESTS

### NOISE GENERATORS

RT ELECTROMAGNETIC NOISE  
 ∞ GENERATORS  
 RADIO FREQUENCY INTERFERENCE  
 RANDOM NOISE  
 SOUND GENERATORS  
 SOUND PROPAGATION

### NOISE HAZARDS

USE HAZARDS  
 NOISE (SOUND)

### NOISE INJURIES

GS INJURIES  
 . NOISE INJURIES  
 RT EAR PROTECTORS

### NOISE INTENSITY

RT AIRCRAFT NOISE  
 AUDITORY STIMULI  
 EFFECTIVE PERCEIVED NOISE LEVELS  
 ELECTROMAGNETIC NOISE  
 ∞ INTENSITY  
 PSYCHOACOUSTICS  
 SIRENS  
 SOUND INTENSITY

### NOISE MEASUREMENT

GS ACOUSTIC MEASUREMENT  
 . NOISE MEASUREMENT  
 RT AERODYNAMIC NOISE  
 AIRCRAFT NOISE  
 BACKGROUND NOISE  
 JET AIRCRAFT NOISE  
 LOUDNESS  
 ∞ MEASUREMENT  
 NOISE (SOUND)  
 SOUND INTENSITY

### NOISE METERS

SN (LIMITED TO ACOUSTIC NOISE)  
 GS MEASURING INSTRUMENTS  
 . NOISE METERS  
 RT ACOUSTIC MEASUREMENT  
 FIELD INTENSITY METERS  
 PRESSURE MEASUREMENT

### NOISE POLLUTION

GS POLLUTION  
 . NOISE POLLUTION  
 RT ACOUSTICS  
 AUDIO FREQUENCIES  
 ENVIRONMENT EFFECTS  
 ENVIRONMENT POLLUTION  
 ENVIRONMENTAL QUALITY  
 HUMAN REACTIONS  
 HUMAN TOLERANCES  
 PHYSIOLOGICAL EFFECTS  
 PHYSIOLOGICAL FACTORS  
 SOUND WAVES

### NOISE PREDICTION

GS PREDICTIONS  
 . NOISE PREDICTION

### NOISE PREDICTION (AIRCRAFT)

UF AIRCRAFT NOISE PREDICTION  
 GS PREDICTIONS  
 . NOISE PREDICTION (AIRCRAFT)  
 RT AEROACOUSTICS  
 ∞ AIRCRAFT  
 AIRCRAFT NOISE  
 ESTIMATES  
 FORECASTING  
 SOUND WAVES

### NOISE PROPAGATION

RT ACOUSTICS  
 COHERENCE COEFFICIENT  
 CONTINUOUS NOISE  
 FAR FIELDS  
 NOISE SPECTRA  
 SIGNAL TO NOISE RATIOS  
 SOUND PROPAGATION

### NOISE REDUCTION

UF NOISE ATTENUATION  
 NOISE ELIMINATION  
 NOISE SUPPRESSORS  
 RT ACOUSTIC ATTENUATION  
 ACOUSTIC DUCTS  
 ACOUSTIC RETROFITTING  
 ACOUSTICS  
 AERODYNAMIC NOISE

### NOISE REDUCTION-(CONT.)

AIRCRAFT NOISE  
 COAXIAL NOZZLES  
 DELAYED FLAP APPROACH  
 EAR PROTECTORS  
 ECHO SUPPRESSORS  
 EFFECTIVE PERCEIVED NOISE LEVELS  
 ELECTRICAL GROUNDING  
 ELECTROMAGNETIC INTERFERENCE  
 ELECTROMAGNETIC NOISE  
 FLIGHT RULES  
 GRAZING FLOW  
 HELMHOLTZ RESONATORS  
 INTERFERENCE IMMUNITY  
 ISOLATORS  
 JET AIRCRAFT NOISE  
 LOUDNESS  
 MUFFLERS  
 QUIET ENGINE PROGRAM  
 ∞ REDUCTION  
 SHOCK WAVE ATTENUATION  
 SILENCE  
 SQUELCH CIRCUITS  
 SUPPRESSORS  
 SYNCHROPHASING  
 VIBRATION ISOLATORS

### NOISE SPECTRA

GS SPECTRA  
 . NOISE SPECTRA  
 RT ACOUSTIC FREQUENCIES  
 BACKGROUND NOISE  
 CHANNEL NOISE  
 ELECTROMAGNETIC COMPATIBILITY  
 ELECTROMAGNETIC NOISE  
 ELECTROMAGNETIC SPECTRA  
 NOISE (SOUND)  
 RADIATION SPECTRA  
 RANDOM NOISE  
 RANDOM SIGNALS  
 SHOCK SPECTRA  
 SIGNAL TO NOISE RATIOS  
 WHITE NOISE

### NOISE STORMS

GS STORMS  
 . NOISE STORMS  
 RT COSMIC NOISE  
 ELECTROMAGNETIC NOISE  
 IONOSPHERIC STORMS  
 MAGNETIC STORMS  
 RADIO FREQUENCY INTERFERENCE  
 SOLAR STORMS

### NOISE SUPPRESSORS

USE NOISE REDUCTION

### NOISE TEMPERATURE

GS TEMPERATURE  
 . NOISE TEMPERATURE  
 RT ELECTROMAGNETIC NOISE  
 ELECTRON ENERGY  
 ELECTRON STATES  
 TEMPERATURE MEASUREMENT  
 THERMAL NOISE

### NOISE THRESHOLD

RT AUDITORY FATIGUE  
 AUDITORY PERCEPTION  
 BACKGROUND NOISE  
 SIGNAL TO NOISE RATIOS  
 ∞ THRESHOLDS

### NOISE TOLERANCE

RT HAZARDS  
 HUMAN TOLERANCES  
 TOLERANCES (PHYSIOLOGY)

### NOMAD LAUNCH VEHICLE

GS LAUNCH VEHICLES  
 . NOMAD LAUNCH VEHICLE  
 ROCKET VEHICLES  
 . SINGLE STAGE ROCKET VEHICLES  
 . . NOMAD LAUNCH VEHICLE  
 RT ATLAS LAUNCH VEHICLES  
 LIQUID PROPELLANT ROCKET ENGINES

### NOMENCLATURES

RT DEFINITION  
 DESCRIPTIONS  
 DICTIONARIES  
 MNEMONICS  
 SEMANTICS  
 SYMBOLS  
 TERMINOLOGY

### NOMENCLATURES-(CONT.)

THESAURI

### NOMINAL VALUES

USE APPROXIMATION

### NOMOGRAMS

USE NOMOGRAMS

### NOMOGRAPHY

UF ISOPLETHS  
 NOMOGRAMS  
 GS ANALYSIS (MATHEMATICS)  
 . NUMERICAL ANALYSIS  
 . . NOMOGRAMS  
 RT CHARTS  
 GRAPHS (CHARTS)

### NONADIABATIC CONDITIONS

GS CONDITIONS  
 . NONADIABATIC CONDITIONS  
 RT ENERGY TRANSFER  
 HEAT TRANSFER  
 NONISOTHERMAL PROCESSES  
 THERMODYNAMICS

### NONADIABATIC PROCESSES

USE HEAT TRANSFER

### NONADIABATIC THEORY

RT ADIABATIC EQUATIONS  
 CHARGED PARTICLES  
 ENERGY DISSIPATION  
 IONIZATION CROSS SECTIONS  
 MAGNETIC DISTURBANCES  
 ∞ THEORIES  
 WAVE PROPAGATION

### NONANES

GS ORGANIC COMPOUNDS  
 . HYDROCARBONS  
 . . ALIPHATIC HYDROCARBONS  
 . . . ALKANES  
 . . . . NONANES

### NONAQUEOUS ELECTROLYTES

GS CONDUCTORS  
 . ELECTROLYTES  
 . . NONAQUEOUS ELECTROLYTES  
 RT ELECTRIC BATTERIES  
 ∞ ELECTRIC CELLS  
 ELECTROCHEMISTRY  
 ELECTROLYTIC CELLS  
 PRIMARY BATTERIES  
 STORAGE BATTERIES  
 WET CELLS

### NONCONDENSABLE GASES

GS GASES  
 . NONCONDENSABLE GASES  
 RT CRITICAL TEMPERATURE  
 GAS-LIQUID INTERACTIONS  
 LIQUEFACTION

### NONCONDUCTORS

USE ELECTRICAL INSULATION

### NONCONSERVATIVE FORCES

RT CONSERVATION  
 CONSERVATION EQUATIONS  
 CONSERVATION LAWS  
 CONTINUITY EQUATION  
 ∞ FORCE

### NONDESTRUCTIVE TESTS

UF FLAW DETECTION  
 GS NONDESTRUCTIVE TESTS  
 . NEUTRON RADIOGRAPHY  
 RT ADHESION TESTS  
 CHEMICAL TESTS  
 DESTRUCTIVE TESTS  
 ELECTRONIC EQUIPMENT TESTS  
 ENGINE TESTS  
 HARDNESS TESTS  
 HIGH TEMPERATURE TESTS  
 INSPECTION  
 LOAD TESTS  
 LOW TEMPERATURE TESTS  
 ∞ MATERIALS TESTS  
 PHOTOACOUSTIC MICROSCOPY  
 QUALITY CONTROL  
 RADIOGRAPHY  
 RELIABILITY  
 STATIC TESTS

## NONELECTROLYTES

### NONDESTRUCTIVE TESTS-(CONT.)

- ∞ TESTS
- THERMOGRAPHY
- TOLERANCES (MECHANICS)
- ULTRASONIC FLAW DETECTION
- ULTRASONIC SPECTROSCOPY
- ULTRASONIC TESTS
- X RAY INSPECTION

### NONELECTROLYTES

- RT ELECTROLYTES

### NONEQUILIBRIUM CONDITIONS

- GS CONDITIONS
- . NONEQUILIBRIUM CONDITIONS
- RT ∞ EQUILIBRIUM
- UNSTEADY STATE

### NONEQUILIBRIUM DRAG

- USE FRICTION DRAG

### NONEQUILIBRIUM FLOW

- GS FLUID FLOW
- . GAS FLOW
- . . . NONEQUILIBRIUM FLOW
- RT EQUILIBRIUM FLOW
- ∞ FLUIDS
- HEAT TRANSMISSION
- OSCILLATING FLOW
- QUASI-STEADY STATES
- UNSTEADY FLOW

### NONEQUILIBRIUM IONIZATION

- GS IONIZATION
- . NONEQUILIBRIUM IONIZATION

### NONEQUILIBRIUM PLASMAS

- GS PARTICLES
- . CHARGED PARTICLES
- . . . ENERGETIC PARTICLES
- . . . PLASMAS (PHYSICS)
- . . . . NONEQUILIBRIUM PLASMAS
- RT MAGNETOHYDRODYNAMIC STABILITY
- NONUNIFORM PLASMAS
- PLASMA COMPOSITION
- PLASMA POTENTIALS
- PLASMA RADIATION
- PLASMA SHEATHS
- ROTATING PLASMAS

### NONEQUILIBRIUM RADIATION

- GS ELECTROMAGNETIC RADIATION
- . NONEQUILIBRIUM RADIATION
- RT NONTHERMAL RADIATION
- SHOCK WAVE PROPAGATION

### NONEQUILIBRIUM THERMODYNAMICS

- GS THERMODYNAMICS
- . NONEQUILIBRIUM THERMODYNAMICS
- RT IRREVERSIBLE PROCESSES

### NONEUCLIDIAN GEOMETRY

- USE DIFFERENTIAL GEOMETRY

### NONFERROUS METALS

- GS METALS
- . NONFERROUS METALS
- RT CHEMICAL ELEMENTS
- CONDUCTORS
- ∞ METALLURGY

### NONFLAMMABLE MATERIALS

- RT ASBESTOS
- FIREPROOFING
- ∞ INORGANIC MATERIALS
- KEVLAR (TRADEMARK)
- ∞ MATERIALS
- OXIDES
- REFRACTORY MATERIALS

### NONGRAY ATMOSPHERES

- RT ∞ ATMOSPHERES
- BLACK BODY RADIATION
- EMISSIVITY
- GRAY GAS
- PLANETARY ATMOSPHERES

### NONGRAY GAS

- GS GASES
- . NONGRAY GAS
- RT ∞ ATMOSPHERES
- BLACK BODY RADIATION
- EMISSIVITY
- HEAT TRANSFER

### NONGRAY GAS-(CONT.)

- SPECTRAL EMISSION
- THERMAL RADIATION
- THERMODYNAMICS

### NONHOLONOMIC EQUATIONS

- GS ANALYSIS (MATHEMATICS)
- . COMPLEX VARIABLES
- . . . NONHOLONOMIC EQUATIONS
- RT ANALYTIC FUNCTIONS
- ∞ EQUATIONS

### NONHOMOGENEITY

- USE INHOMOGENEITY

### NONISENTROPICITY

- GS ISENTROPIC PROCESSES
- . NONISENTROPICITY
- RT ENTROPY
- ∞ PROCESSES

### NONISOTHERMAL PROCESSES

- RT ENERGY TRANSFER
- HEAT TRANSFER
- NONADIABATIC CONDITIONS
- PRESSURE EFFECTS
- ∞ PROCESSES
- TEMPERATURE GRADIENTS
- THERMODYNAMICS

### NONISOTROPIC PLATES

- USE ANISOTROPIC PLATES

### NONISOTROPY

- USE ANISOTROPY

### NONLIFTING VEHICLES

- USE BALLISTIC VEHICLES

### NONLINEAR EQUATIONS

- GS ALGEBRA
- . NONLINEAR EQUATIONS
- . . . CUBIC EQUATIONS
- . . . DUFFING DIFFERENTIAL EQUATION
- . . . MONGE-AMPERE EQUATION
- . . . NONLINEAR EVOLUTION EQUATIONS
- . . . QUADRATIC EQUATIONS
- . . . QUARTIC EQUATIONS
- ANALYSIS (MATHEMATICS)
- . REAL VARIABLES
- . . . NONLINEAR EQUATIONS
- . . . CUBIC EQUATIONS
- . . . DUFFING DIFFERENTIAL EQUATION
- . . . MONGE-AMPERE EQUATION
- . . . NONLINEAR EVOLUTION EQUATIONS
- . . . QUADRATIC EQUATIONS
- . . . QUARTIC EQUATIONS
- RT BORN-INFELD THEORY
- DIFFERENTIAL EQUATIONS
- ∞ EQUATIONS
- FIELD THEORY (ALGEBRA)
- INTEGRAL EQUATIONS
- POLYNOMIALS
- ROOTS OF EQUATIONS

### NONLINEAR EVOLUTION EQUATIONS

- GS ALGEBRA
- . NONLINEAR EQUATIONS
- . . . NONLINEAR EVOLUTION EQUATIONS
- ANALYSIS (MATHEMATICS)
- . REAL VARIABLES
- . . . NONLINEAR EQUATIONS
- . . . NONLINEAR EVOLUTION EQUATIONS
- RT DIFFERENCE EQUATIONS
- ∞ EQUATIONS

### NONLINEAR FEEDBACK

- GS FEEDBACK
- . NONLINEAR FEEDBACK
- RT FEEDBACK AMPLIFIERS
- FEEDBACK CONTROL
- NEGATIVE FEEDBACK
- POSITIVE FEEDBACK
- SENSORY FEEDBACK
- TRANSFER FUNCTIONS

### NONLINEAR FILTERS

- RT ELECTRIC FILTERS
- ELECTROMAGNETIC WAVE FILTERS
- ∞ FILTERS
- LINEAR FILTERS

### NONLINEAR OPTICS

- RT BIREFRINGENCE
- ELECTRO-OPTICAL EFFECT
- ELECTROMAGNETIC RADIATION
- GEOMETRICAL OPTICS
- GRADIENT INDEX OPTICS
- OPTICAL BISTABILITY
- ∞ OPTICS
- QUANTUM OPTICS
- RAMAN SPECTRA
- SAGNAC EFFECT

### NONLINEAR PROGRAMMING

- GS OPTIMIZATION
- . MATHEMATICAL PROGRAMMING
- . . . NONLINEAR PROGRAMMING
- RESEARCH
- . NONLINEAR PROGRAMMING
- RT ∞ APPLICATIONS OF MATHEMATICS
- CONSTRAINTS
- FORMALISM
- LINEAR PROGRAMMING
- OPERATIONS RESEARCH
- ∞ PROGRAMMING

### NONLINEAR SYSTEMS

- SN (DYNAMIC SYSTEMS HAVING
- NONLINEAR RESPONSES)
- RT CHAOS
- CONTROL EQUIPMENT
- DISTRIBUTED PARAMETER SYSTEMS
- DYNAMIC PROGRAMMING
- DYNAMICAL SYSTEMS
- LINEAR SYSTEMS
- STRANGE ATTRACTORS
- ∞ SYSTEMS
- TRACKING PROBLEM

### NONLINEARITY

- UF QUASILINEARITY
- RT DIFFERENTIAL EQUATIONS
- FUNCTIONS (MATHEMATICS)
- LINEARITY
- MAGNETIC AMPLIFIERS
- VARIABILITY
- VOLTERRA EQUATIONS

### NONNEWTONIAN FLOW

- GS FLUID FLOW
- . NONNEWTONIAN FLOW
- RT LIQUID FLOW
- STEADY FLOW
- THIXOTROPY
- UNSTEADY FLOW
- VISCOELASTICITY
- VISCOPLASTICITY

### NONNEWTONIAN FLUIDS

- RT COLLOIDS
- ∞ FLUIDS
- GELATINS
- GELS
- NEWTON
- NEWTON THEORY
- NEWTONIAN FLUIDS
- RHEOLOGY
- VISCOELASTICITY
- VISCOPLASTICITY
- VISCOUS FLUIDS

### NONOHMIC EFFECT

- RT BARRIER LAYERS
- CONTACT RESISTANCE
- ∞ EFFECTS
- SPACE CHARGE

### NONOSCILLATORY ACTION

- GS OSCILLATIONS
- . NONOSCILLATORY ACTION
- RT OSCILLATION DAMPERS
- OSCILLATORS
- VIBRATION DAMPING

### NONPARAMETRIC STATISTICS

- GS STATISTICAL ANALYSIS
- . NONPARAMETRIC STATISTICS
- RT ∞ STATISTICS

### NONPOINT SOURCES

- RT CONTAMINANTS
- CONTAMINATION
- DIFFUSION
- ENVIRONMENTS
- GASES

# NORTH ATLANTIC TREATY ORGANIZATION (NATO)

## NONPOINT SOURCES-(CONT.)

LIQUIDS  
PARTICLES  
∞ POINTS  
POISONS  
POLLUTION  
PUBLIC HEALTH  
RADIOACTIVE WASTES  
∞ SOURCES  
TOXICOLOGY  
WASTES

## NONPOLAR GASES

GS GASES  
. NONPOLAR GASES  
RT MOLECULAR GASES  
RARE GASES

## NONREFLECTION

USE ENERGY ABSORPTION

## NONRELATIVISTIC ELECTRONS

USE ELECTRONS

## NONRELATIVISTIC MECHANICS

RT NEWTON THEORY  
RELATIVITY

## NONRESONANCE

RT MICROWAVE RESONANCE  
TRANSMISSION LINES  
TRAVELING WAVES

## NONRIGIDITY

USE FLEXIBILITY

## NONSTABILIZED OSCILLATION

GS OSCILLATIONS  
. NONSTABILIZED OSCILLATION  
RT OSCILLATION DAMPERS  
OSCILLATORS  
PILOT INDUCED OSCILLATION  
STABLE OSCILLATIONS  
VIBRATION DAMPING

## NONSYNCHRONIZATION

RT DEVIATION  
INCOHERENCE  
∞ INTERFERENCE  
NONUNIFORMITY

## NONTHERMAL EMISSION

USE NONTHERMAL RADIATION

## NONTHERMAL RADIATION

UF NONTHERMAL EMISSION  
GS ELECTROMAGNETIC RADIATION  
. NONTHERMAL RADIATION  
. . . CYCLOTRON RADIATION  
. . . ION CYCLOTRON RADIATION  
. . . SYNCHROTRON RADIATION  
RT GALACTIC RADIATION  
MAGNETIC FIELDS  
NONEQUILIBRIUM RADIATION  
∞ RADIATION  
RADIO WAVES  
THERMAL RADIATION

## NONUNIFORM FLOW

GS FLUID FLOW  
. NONUNIFORM FLOW  
RT FLOW CHARACTERISTICS  
GAS FLOW  
TURBULENT FLOW  
UNIFORM FLOW  
UNSTEADY FLOW

## NONUNIFORM MAGNETIC FIELDS

GS MAGNETIC FIELDS  
. NONUNIFORM MAGNETIC FIELDS  
RT DIFFRACTION RADIATION  
LINES OF FORCE  
MAGNETIC ANOMALIES  
MAGNETIC MIRRORS

## NONUNIFORM PLASMAS

GS PARTICLES  
. CHARGED PARTICLES  
. . . ENERGETIC PARTICLES  
. . . PLASMAS (PHYSICS)  
. . . . NONUNIFORM PLASMAS  
RT KELVIN-HELMHOLTZ INSTABILITY  
LOW DENSITY RESEARCH  
MAGNETOHYDRODYNAMIC STABILITY

## NONUNIFORM PLASMAS-(CONT.)

NONEQUILIBRIUM PLASMAS  
PLASMA COMPOSITION  
PLASMA OSCILLATIONS  
PLASMA WAVES  
RAREFIED PLASMAS

## NONUNIFORMITY

RT FLEXIBILITY  
INHOMOGENEITY  
IRREGULARITIES  
NONSYNCHRONIZATION  
OSCILLATIONS  
TURBULENCE

## NONVISCOUS FLOW

USE INVISCID FLOW

## NOON

RT DAYTIME  
ZENITH

## NORADRENALINE

GS DRUGS  
. STIMULANTS  
. . . NORADRENALINE  
RT NOREPINEPHRINE

## NORD AIRCRAFT

GS NORD AIRCRAFT  
. C-160 AIRCRAFT  
. MH-262 AIRCRAFT  
. NORD 1500 AIRCRAFT  
RT ∞ AIRCRAFT

## NORD 262 AIRCRAFT

USE MH-262 AIRCRAFT

## NORD 1500 AIRCRAFT

UF GRIFFON AIRCRAFT  
GS JET AIRCRAFT  
. NORD 1500 AIRCRAFT  
MONOPLANES  
. NORD 1500 AIRCRAFT  
NORD AIRCRAFT  
. NORD 1500 AIRCRAFT  
RESEARCH AIRCRAFT  
. NORD 1500 AIRCRAFT  
SUPERSONIC AIRCRAFT  
. NORD 1500 AIRCRAFT  
RT ∞ AIRCRAFT

## NOREPINEPHRINE

GS AMINES  
. CATECHOLAMINE  
. . EPINEPHRINE  
. . . NOREPINEPHRINE  
DRUGS  
. EPINEPHRINE  
. . NOREPINEPHRINE  
. . STIMULANTS  
. . . NOREPINEPHRINE  
RT NORADRENALINE

## NORLEUCINE

GS ACIDS  
. AMINO ACIDS  
. . LEUCINE  
. . . NORLEUCINE  
ORGANIC COMPOUNDS  
. AMINO ACIDS  
. . LEUCINE  
. . . NORLEUCINE

## NORMAL DENSITY FUNCTIONS

UF GAUSSIAN DISTRIBUTIONS  
NORMAL DISTRIBUTIONS  
GS FUNCTIONS (MATHEMATICS)  
. PROBABILITY DENSITY FUNCTIONS  
. . NORMAL DENSITY FUNCTIONS  
STATISTICAL ANALYSIS  
. PROBABILITY DENSITY FUNCTIONS  
. . NORMAL DENSITY FUNCTIONS  
RT CONTINUITY (MATHEMATICS)  
DISCRETE FUNCTIONS  
HISTOGRAMS

## NORMAL DISTRIBUTIONS

USE NORMAL DENSITY FUNCTIONS

## NORMAL FORCE DISTRIBUTION

USE FORCE DISTRIBUTION

## NORMAL SHOCK WAVES

GS ELASTIC WAVES  
. SHOCK WAVES  
. . . NORMAL SHOCK WAVES  
RT LONGITUDINAL WAVES  
MAGNETOHYDRODYNAMIC WAVES  
OBLIQUE SHOCK WAVES  
PLANE WAVES  
SHOCK LAYERS

## NORMALITY

RT ASYMPTOTIC PROPERTIES  
AVERAGE  
MEAN  
MEDIAN (STATISTICS)  
NORMS  
STATISTICAL TESTS

## ∞ NORMALIZING

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT NORMALIZING (HEAT TREATMENT)  
NORMALIZING (STATISTICS)

## NORMALIZING (HEAT TREATMENT)

GS HEAT TREATMENT  
. NORMALIZING (HEAT TREATMENT)  
RT ANNEALING  
HARDENING (MATERIALS)  
LASER ANNEALING  
∞ NORMALIZING  
TEMPERING

## NORMALIZING (STATISTICS)

RT EVALUATION  
∞ NORMALIZING  
QUALITY CONTROL  
RATINGS

## NORMS

GS NAMING  
. NORMS  
RT AVERAGE  
ETHICS  
MEDIAN (STATISTICS)  
NORMALITY  
PSYCHOMETRICS  
VALUE

## NORTH AMERICA

GS CONTINENTS  
. NORTH AMERICA  
RT APPALACHIAN MOUNTAINS (NORTH  
AMERICA)  
CANADA  
CENTRAL AMERICA  
LOWER CALIFORNIA (MEXICO)  
MEXICO  
TUNDRA  
UNITED STATES  
WILLISTON BASIN (NORTH AMERICA)

## NORTH AMERICAN AIRCRAFT

GS NORTH AMERICAN AIRCRAFT  
. A-2 AIRCRAFT  
. A-5 AIRCRAFT  
. B-1 AIRCRAFT  
. B-70 AIRCRAFT  
. F-86 AIRCRAFT  
. F-100 AIRCRAFT  
. OV-10 AIRCRAFT  
. P-51 AIRCRAFT  
. T-2 AIRCRAFT  
. T-28 AIRCRAFT  
. T-39 AIRCRAFT  
. X-15 AIRCRAFT  
RT ∞ AIRCRAFT

## NORTH AMERICAN SEARCH AND RANGING RADAR

UF NASARR  
GS RADAR  
. SEARCH RADAR  
. . . NORTH AMERICAN SEARCH AND  
RANGING RADAR  
RT RANGE AND RANGE RATE TRACKING

## NORTH ATLANTIC TREATY ORGANIZATION (NATO)

GS ORGANIZATIONS  
. NORTH ATLANTIC TREATY  
ORGANIZATION (NATO)  
RT INTERNATIONAL COOPERATION

## NORTH CAROLINA

### NORTH CAROLINA

GS NATIONS  
 . UNITED STATES  
 . . **NORTH CAROLINA**  
 RT CAPE HATTERAS (NC)  
 GREAT SMOKY MOUNTAINS (NC-TN)  
 OUTER BANKS (NC)  
 SAND HILLS REGION (GA-NC-SC)

### NORTH DAKOTA

GS NATIONS  
 . UNITED STATES  
 . . **NORTH DAKOTA**  
 RT MISSOURI RIVER (US)  
 WILLISTON BASIN (NORTH AMERICA)

### NORTH KOREA

UF DEMOCRATIC PEOPLES REPUBLIC OF  
 KOREA  
 GS NATIONS  
 . **NORTH KOREA**  
 RT ASIA  
 ∞ KOREA  
 SOUTH KOREA

### NORTH POLAR SPUR (ASTRONOMY)

GS EXTRATERRESTRIAL RADIATION  
 . EXTRATERRESTRIAL RADIO WAVES  
 . . GALACTIC RADIO WAVES  
 . . . **NORTH POLAR SPUR**  
 (ASTRONOMY)  
 . GALACTIC RADIATION  
 . . GALACTIC RADIO WAVES  
 . . . **NORTH POLAR SPUR**  
 (ASTRONOMY)  
 RT NEBULAE  
 SUPERNOVA REMNANTS  
 X RAY SPECTRA

### NORTH SEA

GS SEAS  
 . **NORTH SEA**  
 RT ENGLISH CHANNEL

### NORTH VIETNAM

USE VIETNAM

### NORTHERN HEMISPHERE

GS **NORTHERN HEMISPHERE**  
 . ARCTIC REGIONS  
 RT ∞ HEMISPHERES  
 NORTHERN SKY  
 SOUTHERN HEMISPHERE

### NORTHERN SKY

RT ASTRONOMICAL CATALOGS  
 ASTRONOMICAL COORDINATES  
 ASTRONOMICAL OBSERVATORIES  
 NORTHERN HEMISPHERE  
 SKY SURVEYS (ASTRONOMY)  
 SOUTHERN SKY

### NORTHROP AIRCRAFT

GS **NORTHROP AIRCRAFT**  
 . A-9 AIRCRAFT  
 . F-5 AIRCRAFT  
 . F-18 AIRCRAFT  
 . F-20 AIRCRAFT  
 . F-89 AIRCRAFT  
 . T-38 AIRCRAFT  
 . X-21 AIRCRAFT  
 . X-21A AIRCRAFT  
 RT ∞ AIRCRAFT

### NORTHWEST TERRITORIES

GS NATIONS  
 . CANADA  
 . . **NORTHWEST TERRITORIES**

### NORTON COUNTY ACHONDRITE

GS CELESTIAL BODIES  
 . METEORITES  
 . . STONY METEORITES  
 . . . ACHONDRITES  
 . . . . **NORTON COUNTY ACHONDRITE**

### NORWAY

GS NATIONS  
 . **NORWAY**  
 RT EUROPE  
 FIORDS  
 SCANDINAVIA

### NOSE

SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)  
 RT NOSE (ANATOMY)  
 NOSES (FOREBODIES)

### NOSE (ANATOMY)

GS ANATOMY  
 . FACE (ANATOMY)  
 . . **NOSE (ANATOMY)**  
 . . RESPIRATORY SYSTEM  
 . . **NOSE (ANATOMY)**  
 RT HEAD (ANATOMY)  
 ∞ NOSE  
 PARANASAL SINUSES  
 SINUSES

### NOSE CAPS

USE NOSE CONES

### NOSE CONES

UF NOSE CAPS  
 GS CONES  
 . **NOSE CONES**  
 . . ABLATIVE NOSE CONES  
 . . ROCKET NOSE CONES  
 FOREBODIES  
 . NOSES (FOREBODIES)  
 . . **NOSE CONES**  
 . . . ABLATIVE NOSE CONES  
 . . . ROCKET NOSE CONES  
 RT ABLATIVE MATERIALS  
 BLUNT BODIES  
 ∞ CAPS  
 CIRCULAR CONES  
 HALF CONES  
 MISSILE COMPONENTS  
 OGIVES  
 REENTRY SHIELDING  
 REENTRY VEHICLES  
 SPACECRAFT COMPONENTS  
 SPACECRAFT SHIELDING  
 SPHERICAL CAPS  
 WARHEADS

### NOSE FINS

GS FINS  
 . **NOSE FINS**  
 RT CONTROL SURFACES  
 FINNED BODIES  
 NOSES (FOREBODIES)  
 VANES

### NOSE INLETS

GS INTAKE SYSTEMS  
 . **NOSE INLETS**  
 RT AIR INTAKES  
 ANNULAR DUCTS  
 BYPASS RATIO  
 DUCTED BODIES  
 DUCTS  
 HYPERSONIC INLETS  
 INLET AIRFRAME CONFIGURATIONS  
 NACELLES  
 NOSES (FOREBODIES)  
 SCOOPS  
 SIDE INLETS  
 SUPERSONIC INLETS  
 ∞ WATER INTAKES

### NOSE TIPS

GS TIPS  
 . **NOSE TIPS**  
 RT AERODYNAMIC CONFIGURATIONS  
 AIRFOIL PROFILES  
 NOSES (FOREBODIES)

### NOSE WHEELS

GS WHEELS  
 . VEHICLE WHEELS  
 . . **NOSE WHEELS**  
 RT BRAKES (FOR ARRESTING MOTION)  
 LANDING GEAR

### NOSES (FOREBODIES)

GS FOREBODIES  
 . **NOSES (FOREBODIES)**  
 . . NOSE CONES  
 . . . ABLATIVE NOSE CONES  
 . . . ROCKET NOSE CONES  
 RT AIRCRAFT STRUCTURES  
 ∞ NOSE  
 NOSE FINS  
 NOSE INLETS

### NOSES (FOREBODIES)-(CONT.)

NOSE TIPS

### NOSTOC

GS PLANTS (BOTANY)  
 . ALGAE  
 . . BLUE GREEN ALGAE  
 . . . **NOSTOC**  
 . . THERMOPHILIC PLANTS  
 . . BLUE GREEN ALGAE  
 . . . **NOSTOC**

### NOTATION

USE CODING

### NOTCH SENSITIVITY

GS MECHANICAL PROPERTIES  
 . TOUGHNESS  
 . . **NOTCH SENSITIVITY**  
 SENSITIVITY  
 . **NOTCH SENSITIVITY**  
 RT CHARPY IMPACT TEST  
 FATIGUE (MATERIALS)  
 IMPACT STRENGTH  
 IMPACT TESTS

### NOTCH STRENGTH

GS MECHANICAL PROPERTIES  
 . **NOTCH STRENGTH**  
 RT BRITTLENESS  
 DUCTILITY  
 FATIGUE TESTS  
 IMPACT TESTS  
 ∞ STRENGTH  
 STRESS CONCENTRATION  
 STRESS INTENSITY FACTORS

### NOTCH TESTS

UF NOTCHED METALS  
 GS **NOTCH TESTS**  
 . CHARPY IMPACT TEST  
 RT BRITTLENESS  
 DROP TESTS  
 FATIGUE TESTS  
 HARDNESS  
 IMPACT TESTS  
 STRESS CONCENTRATION  
 ∞ TESTS

### NOTCHED METALS

USE NOTCH TESTS

### NOTCHES

RT PASSAGEWAYS  
 V GROOVES

### NOVA

SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)  
 RT NOVA LAUNCH VEHICLES  
 NOVAE

### NOVA COMPUTERS

GS DATA PROCESSING EQUIPMENT  
 . COMPUTERS  
 . . DIGITAL COMPUTERS  
 . . . MINICOMPUTERS  
 . . . . **NOVA COMPUTERS**

### NOVA LASER SYSTEM

GS STIMULATED EMISSION DEVICES  
 . LASERS  
 . . HIGH POWER LASERS  
 . . . **NOVA LASER SYSTEM**  
 RT LASER FUSION  
 LASER OUTPUTS  
 SHIVA LASER SYSTEM  
 ∞ SYSTEMS

### NOVA LAUNCH VEHICLES

GS LAUNCH VEHICLES  
 . **NOVA LAUNCH VEHICLES**  
 . ROCKET VEHICLES  
 . . MULTISTAGE ROCKET VEHICLES  
 . . **NOVA LAUNCH VEHICLES**  
 RT F-1 ROCKET ENGINE  
 J-2 ENGINE  
 LIQUID PROPELLANT ROCKET ENGINES  
 M-1 ENGINE  
 ∞ NOVA  
 ∞ VEHICLES

## NUCLEAR CAPTURE

### NOVA SATELLITES

GS ARTIFICIAL SATELLITES  
 . NAVIGATION SATELLITES  
 . **NOVA SATELLITES**  
 RT DISCOS (SATELLITE ATTITUDE CONTROL)  
 TRANSIT NAVIGATION SYSTEM

### NOVA SCOTIA

GS NATIONS  
 . CANADA  
 . **NOVA SCOTIA**

### NOVAE

GS CELESTIAL BODIES  
 . STARS  
 . VARIABLE STARS  
 . **NOVAE**  
 . . . DWARF NOVAE  
 . . . HERCULES NOVA  
 RT CATAclysmic VARIABLES  
 ∞ NOVA  
 SHOCK WAVES  
 STELLAR MASS  
 STELLAR MASS EJECTION  
 SUPERNOVAE  
 SYMBIOTIC STARS

### NOVOCAIN

GS DRUGS  
 . ANESTHETICS  
 . **NOVOCAIN**

### NOWCASTING

GS FORECASTING  
 . WEATHER FORECASTING  
 . **NOWCASTING**  
 METEOROLOGY  
 . WEATHER FORECASTING  
 . **NOWCASTING**  
 RT AVIATION METEOROLOGY

### NOXIOUS MATERIALS

USE CONTAMINANTS

### NOZZLE COEFFICIENT

USE NOZZLE FLOW

### NOZZLE DESIGN

RT ∞ DESIGN  
 ENGINE DESIGN  
 ∞ NOZZLES

### NOZZLE EFFICIENCY

GS EFFICIENCY  
 . **NOZZLE EFFICIENCY**  
 RT ∞ NOZZLES  
 POWER EFFICIENCY  
 PROPULSIVE EFFICIENCY  
 THERMODYNAMIC EFFICIENCY

### NOZZLE FLOW

UF NOZZLE COEFFICIENT  
 GS FLUID FLOW  
 . **NOZZLE FLOW**  
 RT AEROTHERMOCHEMISTRY  
 ANNULAR FLOW  
 CORNER FLOW  
 DISCHARGE COEFFICIENT  
 EXHAUST GASES  
 EXHAUST NOZZLES  
 FISSIONABLE MATERIALS  
 FLOW GEOMETRY  
 FLUID INJECTION  
 INJECTORS  
 JET FLOW  
 OUTLET FLOW  
 PNEUMATIC PROBES  
 SUPERSONIC JET FLOW  
 TRANSONIC FLOW

### NOZZLE GEOMETRY

GS GEOMETRY  
 . **NOZZLE GEOMETRY**  
 RT COAXIAL NOZZLES  
 CONICAL NOZZLES  
 CONVERGENT NOZZLES  
 CONVERGENT-DIVERGENT NOZZLES  
 DISCHARGE COEFFICIENT  
 DIVERGENT NOZZLES  
 MASS FLOW FACTORS  
 ∞ NOZZLES  
 PIPE NOZZLES  
 PLUG NOZZLES

### NOZZLE GEOMETRY-(CONT.)

SHROUDED NOZZLES  
 SPIKE NOZZLES  
 THROATS

### NOZZLE INSERTS

GS INSERTS  
 . **NOZZLE INSERTS**  
 RT ABLATIVE MATERIALS  
 CHOKES  
 CONICAL NOZZLES  
 CONVERGENT-DIVERGENT NOZZLES  
 EXHAUST NOZZLES  
 ∞ NOZZLES  
 ROCKET NOZZLES  
 THROATS

### NOZZLE THRUST COEFFICIENTS

GS COEFFICIENTS  
 . **NOZZLE THRUST COEFFICIENTS**  
 RT DISCHARGE COEFFICIENT  
 FLOW COEFFICIENTS  
 INFLUENCE COEFFICIENT  
 THRUST  
 THRUST VECTOR CONTROL

### NOZZLE WALLS

GS WALLS  
 . **NOZZLE WALLS**  
 RT CONICAL NOZZLES  
 CONVERGENT NOZZLES  
 DIVERGENT NOZZLES  
 JET AMPLIFIERS  
 ∞ NOZZLES  
 REFRACTORY MATERIALS  
 SHROUDED NOZZLES  
 THROATS

### NOZZLELESS ROCKET ENGINES

GS ENGINES  
 . ROCKET ENGINES  
 . **NOZZLELESS ROCKET ENGINES**  
 RT ROCKET NOZZLES

### ∞ NOZZLES

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT ACOUSTIC NOZZLES  
 ANNULAR NOZZLES  
 ATOMIZERS  
 BLOWERS  
 CHOKES  
 CHOKES (RESTRICTIONS)  
 COAXIAL NOZZLES  
 CONICAL NOZZLES  
 CONVERGENT NOZZLES  
 CONVERGENT-DIVERGENT NOZZLES  
 ∞ DIFFUSERS  
 DIVERGENT NOZZLES  
 DUAL THRUST NOZZLES  
 EXHAUST NOZZLES  
 FLOW MEASUREMENT  
 FUNNELS  
 HYPERSONIC NOZZLES  
 INJECTORS  
 INLET NOZZLES  
 NOZZLE DESIGN  
 NOZZLE EFFICIENCY  
 NOZZLE GEOMETRY  
 NOZZLE INSERTS  
 NOZZLE WALLS  
 ORIFICES  
 OUTLETS  
 PIPE NOZZLES  
 PLUG NOZZLES  
 ROCKET NOZZLES  
 SHROUDED NOZZLES  
 SONIC NOZZLES  
 SPIKE NOZZLES  
 SPRAY NOZZLES  
 SPRAYERS  
 SUPERSONIC NOZZLES  
 TRANSONIC NOZZLES  
 TURBINES  
 VENTS  
 WIND TUNNEL NOZZLES

### NRX REACTORS

GS NUCLEAR REACTORS  
 . LIQUID COOLED REACTORS  
 . WATER COOLED REACTORS  
 . **NRX REACTORS**  
 . NUCLEAR RESEARCH AND TEST REACTORS

### NRX REACTORS-(CONT.)

. **NRX REACTORS**  
 RT KIWI REACTORS  
 NUCLEAR ENGINE FOR ROCKET VEHICLES

### NTS

USE NAVIGATION TECHNOLOGY SATELLITES

### NU FACTOR

RT POISSON RATIO

### NUCLEAR AUXILIARY POWER UNITS

GS AUXILIARY POWER SOURCES  
 . **NUCLEAR AUXILIARY POWER UNITS**  
 . SNAP  
 . . . FISSION ELECTRIC CELLS  
 . . . SNAP 2  
 . . . SNAP 4  
 . . . SNAP 8  
 . . . SNAP 10A  
 . . . SNAP 1  
 . . . SNAP 3  
 . . . SNAP 7  
 . . . SNAP 9A  
 . . . SNAP 11  
 . . . SNAP 13  
 . . . SNAP 15  
 . . . SNAP 17  
 . . . SNAP 19  
 . . . SNAP 21  
 . . . SNAP 23  
 . . . SNAP 27  
 . . . SNAP 29  
 . . . SNAP 50  
 . SPACE POWER REACTORS  
 . . . FISSION ELECTRIC CELLS  
 . . . SNAP 2  
 . . . SNAP 4  
 . . . SNAP 8  
 . . . SNAP 10A  
 . . . SNAP 50  
 . SPACE POWER UNIT REACTORS  
 . NUCLEAR ELECTRIC POWER GENERATION  
 . **NUCLEAR AUXILIARY POWER UNITS**  
 . SNAP  
 . . . FISSION ELECTRIC CELLS  
 . . . SNAP 2  
 . . . SNAP 4  
 . . . SNAP 8  
 . . . SNAP 10A  
 . . . SNAP 1  
 . . . SNAP 3  
 . . . SNAP 7  
 . . . SNAP 9A  
 . . . SNAP 11  
 . . . SNAP 13  
 . . . SNAP 15  
 . . . SNAP 17  
 . . . SNAP 19  
 . . . SNAP 21  
 . . . SNAP 23  
 . . . SNAP 27  
 . . . SNAP 29  
 . . . SNAP 50  
 . SPACE POWER REACTORS  
 . . . FISSION ELECTRIC CELLS  
 . . . SNAP 2  
 . . . SNAP 4  
 . . . SNAP 8  
 . . . SNAP 10A  
 . . . SNAP 50  
 . SPACE POWER UNIT REACTORS  
 RT ∞ POWER SUPPLIES  
 RADIOISOTOPE BATTERIES  
 SPACECRAFT POWER SUPPLIES  
 THERMOELECTRIC GENERATORS  
 THERMOELECTRIC POWER GENERATION

### NUCLEAR BINDING ENERGY

RT ACTIVATION ENERGY  
 ∞ ENERGY  
 IONIZATION POTENTIALS

### NUCLEAR CAPTURE

GS NUCLEAR REACTIONS  
 . NUCLEAR INTERACTIONS  
 . **NUCLEAR CAPTURE**  
 . . . ELECTRON CAPTURE  
 . . . PARTICLE INTERACTIONS  
 . . . ELEMENTARY PARTICLE INTERACTIONS  
 . **NUCLEAR CAPTURE**  
 . . . ELECTRON CAPTURE



## NUCLEAR CHEMISTRY

### NUCLEAR CAPTURE-(CONT.)

- .. NUCLEAR INTERACTIONS
- .. **NUCLEAR CAPTURE**
- .. .. ELECTRON CAPTURE
- RT ACTIVATION ENERGY
- CAPTURE EFFECT
- ELECTRON TRANSITIONS
- ENERGY LEVELS
- ∞ INTERACTIONS
- IRRADIATION
- SPIN
- TRANSITION PROBABILITIES

### NUCLEAR CHEMISTRY

- RT ATOMIC STRUCTURE
- ∞ CHEMISTRY
- ISOMERS
- ∞ NUCLEAR ENERGY
- PHYSICAL CHEMISTRY
- PLASMA CHEMISTRY
- QUANTUM CHEMISTRY
- RADIOCHEMISTRY

### NUCLEAR DEFORMATION

- GS DEFORMATION
- .. **NUCLEAR DEFORMATION**

### NUCLEAR DEVICES

- GS EXPLOSIVE DEVICES
- .. **NUCLEAR DEVICES**
- RT ∞ DEVICES
- FISSION WEAPONS
- THERMONUCLEAR EXPLOSIONS
- WARHEADS

### NUCLEAR ELECTRIC POWER GENERATION

- UF NUCLEAR POWER GENERATION
- GS **NUCLEAR ELECTRIC POWER GENERATION**
- .. NUCLEAR AUXILIARY POWER UNITS
- .. SNAP
- .. .. FISSION ELECTRIC CELLS
- .. .. SNAP 2
- .. .. SNAP 4
- .. .. SNAP 8
- .. .. SNAP 10A
- .. .. SNAP 1
- .. .. SNAP 3
- .. .. SNAP 7
- .. .. SNAP 9A
- .. .. SNAP 11
- .. .. SNAP 13
- .. .. SNAP 15
- .. .. SNAP 17
- .. .. SNAP 19
- .. .. SNAP 21
- .. .. SNAP 23
- .. .. SNAP 27
- .. .. SNAP 29
- .. .. SNAP 50
- .. SPACE POWER REACTORS
- .. .. FISSION ELECTRIC CELLS
- .. .. SNAP 2
- .. .. SNAP 4
- .. .. SNAP 8
- .. .. SNAP 10A
- .. .. SNAP 50
- .. SPACE POWER UNIT REACTORS
- .. NUCLEAR POWER PLANTS
- .. ENRICO FERMI ATOMIC POWER PLANT
- .. HALLAM NUCLEAR POWER FACILITY
- .. ML-1 NUCLEAR POWER PLANT
- .. NUCLEAR POWER REACTORS
- .. KIWI REACTORS
- .. .. KIWI B REACTORS
- .. .. KIWI B-1 REACTOR
- .. .. KIWI B-4 REACTOR
- .. PATHFINDER NUCLEAR REACTOR
- .. PLUTONIUM RECYCLE TEST REACTOR
- .. SPACE POWER REACTORS
- .. .. FISSION ELECTRIC CELLS
- .. .. SNAP 2
- .. .. SNAP 4
- .. .. SNAP 8
- .. .. SNAP 10A
- .. SPACE POWER UNIT REACTORS
- .. TORY 2 REACTOR
- .. TORY 2-A REACTOR
- .. TORY 2-C REACTOR
- .. THERMONUCLEAR POWER GENERATION
- RT ELECTRIC GENERATORS
- ∞ NUCLEAR ENERGY

### NUCLEAR ELECTRIC PROPULSION

- GS PROPULSION
- .. NUCLEAR PROPULSION
- .. **NUCLEAR ELECTRIC PROPULSION**
- RT ELECTRIC PROPULSION
- ELECTROTHERMAL ENGINES
- ION PROPULSION
- MARINE PROPULSION
- PLASMA PROPULSION
- SPACECRAFT PROPULSION

### NUCLEAR EMULSIONS

- GS MIXTURES
- .. DISPERSIONS
- .. EMULSIONS
- .. .. PHOTOGRAPHIC EMULSIONS
- .. .. **NUCLEAR EMULSIONS**
- .. .. SOLUTIONS
- .. .. PHOTOGRAPHIC EMULSIONS
- .. .. **NUCLEAR EMULSIONS**
- RT DOSIMETERS
- RADIATION COUNTERS
- RADIATION MEASURING INSTRUMENTS

### ∞ NUCLEAR ENERGY

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- UF ATOMIC ENERGY
- RT ANNULAR CORE PULSE REACTORS
- ATOMIC THEORY
- CHEMICAL ENERGY
- ENERGY POLICY
- ENERGY STORAGE
- MOLECULAR ENERGY LEVELS
- NUCLEAR CHEMISTRY
- NUCLEAR ELECTRIC POWER GENERATION
- NUCLEAR FISSION
- NUCLEAR FUELS
- NUCLEAR FUSION
- NUCLEAR HEAT
- NUCLEAR PHYSICS
- NUCLEAR PROPULSION
- NUCLEAR REACTORS
- NUCLEAR RESEARCH
- NUCLEAR WARFARE
- NUCLEAR WEAPONS
- NUCLEONICS
- SPENT FUELS

### NUCLEAR ENGINE FOR ROCKET VEHICLES

- UF NERVA (ENGINE)
- GS ENGINES
- .. ROCKET ENGINES
- .. **NUCLEAR ENGINE FOR ROCKET VEHICLES**
- RT BOOSTER ROCKET ENGINES
- KIWI REACTORS
- NRX REACTORS
- PHOEBUS NUCLEAR REACTOR
- ROVER PROJECT
- SUSTAINER ROCKET ENGINES
- ∞ VEHICLES
- WATER COOLED REACTORS

### NUCLEAR EXPLOSION EFFECT

- RT ∞ EFFECTS
- FALLOUT
- RADIATION EFFECTS
- RADIATION HAZARDS

### NUCLEAR EXPLOSIONS

- UF ATOMIC EXPLOSIONS
- GS EXPLOSIONS
- .. **NUCLEAR EXPLOSIONS**
- .. THERMONUCLEAR EXPLOSIONS
- RT AERIAL EXPLOSIONS
- ARTIFICIAL RADIATION BELTS
- CIVIL DEFENSE
- CRATERING
- FALLOUT
- ∞ FIREBALLS
- FISHBOWL OPERATION
- HIGH ENERGY INTERACTIONS
- RADIATION HAZARDS
- UNDERGROUND EXPLOSIONS
- UNDERWATER EXPLOSIONS
- VELA SATELLITES

### NUCLEAR FISSION

- GS NUCLEAR REACTIONS
- .. **NUCLEAR FISSION**
- RT CRITICAL EXPERIMENTS
- CRITICAL MASS

### NUCLEAR FISSION-(CONT.)

- DECAY
- FISSION PRODUCTS
- FUSION REACTORS
- FUSION-FISSION HYBRID REACTORS
- HIGH ENERGY INTERACTIONS
- NEUTRON FLUX DENSITY
- ∞ NUCLEAR ENERGY
- RADIOACTIVE DECAY
- RADIOACTIVE MATERIALS
- SUBCRITICAL MASS

### NUCLEAR FUEL BURNUP

- GS COMBUSTION
- .. FUEL COMBUSTION
- .. **NUCLEAR FUEL BURNUP**
- RT CRITICAL MASS
- REACTOR PHYSICS
- REACTOR TECHNOLOGY

### NUCLEAR FUEL ELEMENTS

- UF FUEL ELEMENTS (NUCLEAR REACTORS)
- RT ANNULAR CORE PULSE REACTORS
- ∞ ELEMENTS
- FUELS
- PLUTONIUM ALLOYS
- REACTOR CORES
- REACTOR MATERIALS
- URANIUM ALLOYS
- URANIUM CARBIDES

### NUCLEAR FUEL REPROCESSING

- GS RECLAMATION
- .. MATERIALS RECOVERY
- .. **NUCLEAR FUEL REPROCESSING**
- RT NUCLEAR FUELS
- ∞ PROCESSING
- ∞ RECOVERY
- RECYCLING
- SPENT FUELS

### NUCLEAR FUELS

- UF REACTOR FUELS
- GS FUELS
- .. **NUCLEAR FUELS**
- .. CERAMIC NUCLEAR FUELS
- .. FISSION
- .. SPENT FUELS
- RT ANNULAR CORE PULSE REACTORS
- DEUTERIUM
- ENERGY POLICY
- FISSION
- FISSIONABLE MATERIALS
- FUEL CAPSULES
- FUEL PRODUCTION
- INERTIAL FUSION (REACTOR)
- MIXED OXIDES
- NEUTRON SOURCES
- ∞ NUCLEAR ENERGY
- NUCLEAR FUEL REPROCESSING
- PELLETS
- PLUTONIUM
- PLUTONIUM ALLOYS
- PLUTONIUM COMPOUNDS
- REACTOR CORES
- REACTOR MATERIALS
- REACTOR STARTUP TESTS
- SOL-GEL PROCESSES
- THORIUM
- THORIUM ALLOYS
- THORIUM COMPOUNDS
- TRITIUM
- URANIUM
- URANIUM ALLOYS
- URANIUM CARBIDES
- URANIUM COMPOUNDS
- URANIUM OXIDES
- URANIUM 233
- URANIUM 235
- URANIUM 238

### NUCLEAR FUSION

- UF NUCLEOSYNTHESIS
- GS NUCLEAR REACTIONS
- .. THERMONUCLEAR REACTIONS
- .. **NUCLEAR FUSION**
- .. .. CONTROLLED FUSION
- RT COLLISIONAL PLASMAS
- DEGENERATE MATTER
- DENSE PLASMAS
- DEUTERON IRRADIATION
- ∞ FUSION
- FUSION REACTORS
- FUSION WEAPONS

## NUCLEAR PUMPED LASERS

### NUCLEAR FUSION-(CONT.)

FUSION-FISSION HYBRID REACTORS  
HIGH ENERGY INTERACTIONS  
IRRADIATION  
MAGNETIC MIRRORS  
MIRROR FUSION  
∞NUCLEAR ENERGY  
PLASMA FOCUS  
RAILGUN ACCELERATORS  
STAR FORMATION  
STELLAR INTERIORS  
STELLAR PHYSICS  
∞SYNTHESIS  
TOKAMAK DEVICES

### NUCLEAR GYROSCOPES

GS GYROSCOPES  
. NUCLEAR GYROSCOPES

### NUCLEAR HEAT

GS HEAT  
. NUCLEAR HEAT  
RT ∞NUCLEAR ENERGY

### NUCLEAR INTERACTIONS

GS NUCLEAR REACTIONS  
. NUCLEAR INTERACTIONS  
. NUCLEAR CAPTURE  
. ELECTRON CAPTURE  
. SPIN-ORBIT INTERACTIONS  
. ELECTRON CAPTURE  
. WEAK INTERACTIONS (FIELD THEORY)  
PARTICLE INTERACTIONS  
. NUCLEAR INTERACTIONS  
. NUCLEAR CAPTURE  
. ELECTRON CAPTURE  
. SPIN-ORBIT INTERACTIONS  
. ELECTRON CAPTURE  
. WEAK INTERACTIONS (FIELD THEORY)  
RT COLLISION PARAMETERS  
ELEMENTARY PARTICLES  
HIGH ENERGY INTERACTIONS  
∞INTERACTIONS  
STRONG INTERACTIONS (FIELD THEORY)

### NUCLEAR ISOBARS

RT CHEMICAL ELEMENTS  
∞ISOBARS  
ISOTOPES  
NUCLEI (NUCLEAR PHYSICS)  
NUCLIDES

### NUCLEAR LIGHTBULB ENGINES

GS ENGINES  
. ROCKET ENGINES  
. NUCLEAR ROCKET ENGINES  
. NUCLEAR LIGHTBULB ENGINES  
RT GASEOUS FISSION REACTORS

### NUCLEAR MAGNETIC RESONANCE

UF KNIGHT SHIFT  
NMR  
GS RESONANCE  
. MAGNETIC RESONANCE  
. NUCLEAR MAGNETIC RESONANCE  
. PROTON MAGNETIC RESONANCE  
. PROTON RESONANCE  
RT MAGNETIC SIGNALS  
MAGNETOMETERS  
MOLECULAR STRUCTURE  
PARAMAGNETIC RESONANCE  
PARTICLE SPIN  
PLANCKS CONSTANT  
SPIN RESONANCE  
SPIN-LATTICE RELAXATION

### NUCLEAR MEDICINE

UF RADIATION MEDICINE  
GS MEDICAL SCIENCE  
. NUCLEAR MEDICINE  
. RADIOBIOLOGY  
RT ANTIRADIATION DRUGS  
HEALTH PHYSICS  
∞RADIATION  
RADIOPATHOLOGY

### NUCLEAR METEOROLOGY

GS METEOROLOGY  
. NUCLEAR METEOROLOGY  
RT FALLOUT

### NUCLEAR MODELS

GS MODELS  
. NUCLEAR MODELS  
RT ATOMIC STRUCTURE  
ENERGY LEVELS  
MOLECULAR STRUCTURE  
QUARK PARTON MODEL

### NUCLEAR PARTICLES

GS PARTICLES  
. NUCLEAR PARTICLES  
. ANTIPARTICLES  
. ANTINEUTRINOS  
. ANTINUCLEONS  
. ANTIPROTONS  
. POSITRONS  
. BETA PARTICLES  
. BOSONS  
. ALPHA PARTICLES  
. MESONS  
. ETA-MESONS  
. KAONS  
. MESON RESONANCE  
. X MESONS  
. MUONS  
. PIONS  
. VECTOR MESONS  
. RHO-MESONS  
. SIGMA-MESONS  
. PHOTONS  
. XI HYPERONS  
. NUCLEONS  
. PHOTOELECTRONS  
RT CORPUSCULAR RADIATION  
COSMIC RAYS  
ELEMENTARY PARTICLES  
FISSION PRODUCTS  
GAMMA RAY BURSTS  
NEUTRON CROSS SECTIONS  
NEUTRON DISTRIBUTION  
NEUTRON SCATTERING  
NUCLEON POTENTIAL  
NUCLEON-NUCLEON SCATTERING  
PARTICLE ACCELERATORS  
PARTICLE TRACKS  
PHOTONEUTRONS  
PI-ELECTRONS  
POSITRON ANNIHILATION  
PROTON RESONANCE  
PROTONS

### NUCLEAR PHYSICS

GS NUCLEAR PHYSICS  
. REACTOR PHYSICS  
RT ATOMIC STRUCTURE  
CURRENT ALGEBRA  
ELECTROMAGNETIC ABSORPTION  
FIELD THEORY (PHYSICS)  
HEALTH PHYSICS  
∞NUCLEAR ENERGY  
NUCLEONICS  
PARITY  
PARTICLE SPIN  
∞PHYSICS  
∞QUANTUM THEORY  
∞SCIENCE  
THEORETICAL PHYSICS

### NUCLEAR POTENTIAL

GS POTENTIAL ENERGY  
. NUCLEAR POTENTIAL  
RT NUCLEON POTENTIAL

### NUCLEAR POWER GENERATION

USE NUCLEAR ELECTRIC POWER  
GENERATION

### NUCLEAR POWER PLANTS

GS ELECTRIC POWER PLANTS  
. NUCLEAR POWER PLANTS  
. ENRICO FERMI ATOMIC POWER PLANT  
. HALLAM NUCLEAR POWER FACILITY  
. ML-1 NUCLEAR POWER PLANT  
NUCLEAR ELECTRIC POWER  
GENERATION  
. NUCLEAR POWER PLANTS  
. ENRICO FERMI ATOMIC POWER PLANT  
. HALLAM NUCLEAR POWER FACILITY  
. ML-1 NUCLEAR POWER PLANT  
RT PLASMA CORE REACTORS

### NUCLEAR POWER REACTORS

GS NUCLEAR ELECTRIC POWER  
GENERATION  
. NUCLEAR POWER REACTORS  
. KIWI REACTORS  
. KIWI B REACTORS  
. KIWI B-1 REACTOR  
. KIWI B-4 REACTOR  
. PATHFINDER NUCLEAR REACTOR  
. PLUTONIUM RECYCLE TEST REACTOR  
. SPACE POWER REACTORS  
. FISSION ELECTRIC CELLS  
. SNAP 2  
. SNAP 4  
. SNAP 8  
. SNAP 10A  
. SPACE POWER UNIT REACTORS  
. TORY 2 REACTOR  
. TORY 2-A REACTOR  
. TORY 2-C REACTOR  
NUCLEAR REACTORS  
. NUCLEAR POWER REACTORS  
. KIWI REACTORS  
. KIWI B REACTORS  
. KIWI B-1 REACTOR  
. KIWI B-4 REACTOR  
. PATHFINDER NUCLEAR REACTOR  
. PLUTONIUM RECYCLE TEST REACTOR  
. SPACE POWER REACTORS  
. FISSION ELECTRIC CELLS  
. SNAP 2  
. SNAP 4  
. SNAP 8  
. SNAP 10A  
. SPACE POWER UNIT REACTORS  
. TORY 2 REACTOR  
. TORY 2-A REACTOR  
. TORY 2-C REACTOR  
RT BOILING WATER REACTORS  
BREEDER REACTORS  
FAST NUCLEAR REACTORS  
FAST OXIDE REACTORS  
HIGH TEMPERATURE GAS COOLED REACTORS  
LIQUID METAL FAST BREEDER REACTORS  
POWER REACTORS  
PRESSURIZED WATER REACTORS  
SNAP  
SODIUM GRAPHITE REACTORS

### NUCLEAR POWERED SHIPS

GS SURFACE VEHICLES  
. NUCLEAR POWERED SHIPS  
. SAVANNAH NUCLEAR SHIP  
WATER VEHICLES  
. SHIPS  
. NUCLEAR POWERED SHIPS  
. SAVANNAH NUCLEAR SHIP  
RT AIRCRAFT CARRIERS  
CARGO SHIPS  
NAVY  
SUBMARINES

### NUCLEAR PROPELLED AIRCRAFT

RT ∞AIRCRAFT  
∞MILITARY AIRCRAFT  
RESEARCH AIRCRAFT

### NUCLEAR PROPULSION

UF CHEMONUCLEAR PROPULSION  
THERMONUCLEAR PROPULSION  
PROPULSION  
GS . NUCLEAR PROPULSION  
. NUCLEAR ELECTRIC PROPULSION  
RT AIRCRAFT ENGINES  
GASEOUS FISSION REACTORS  
HIGH TEMPERATURE NUCLEAR REACTORS  
HIGH TEMPERATURE PROPELLANTS  
MARINE PROPULSION  
MERCURY ION ENGINES  
NEW MOONS PROJECT  
∞NUCLEAR ENERGY  
ROVER PROJECT  
SAVANNAH NUCLEAR SHIP  
SPACECRAFT PROPULSION  
TRIDENT SUBMARINE  
UNDERWATER PROPULSION

### NUCLEAR PUMPED LASERS

GS STIMULATED EMISSION DEVICES  
LASERS

## NUCLEAR PUMPING

### NUCLEAR PUMPED LASERS-(CONT.)

- RT NUCLEAR PUMPED LASERS
- OPTICAL PUMPING
- OPTICAL RESONANCE

### NUCLEAR PUMPING

- RT ELECTRON PUMPING
- ENERGY TRANSFER
- FISSION PRODUCTS
- GAS LASERS
- LASERS
- OPTICAL PUMPING
- POPULATION INVERSION
- ∞PUMPING
- STIMULATED EMISSION
- STIMULATED EMISSION DEVICES

### NUCLEAR QUADRUPOLE RESONANCE

- GS RESONANCE
- RT NUCLEAR QUADRUPOLE RESONANCE
- ENERGY LEVELS
- QUADRUPOLES

### NUCLEAR RADIATION

- GS NUCLEAR RADIATION
- BETA PARTICLES
- FAST NEUTRONS
- GAMMA RAY BEAMS
- GAMMA RAYS
- GAMMA RAY BURSTS
- NEUTRON BEAMS
- PHOTONEUTRONS
- POST-BLAST NUCLEAR RADIATION
- SPALLATION
- THERMAL NEUTRONS
- RT ALPHA PARTICLES
- BREMSSTRAHLUNG
- CERENKOV RADIATION
- CORPUSCULAR RADIATION
- ELECTROMAGNETIC RADIATION
- ELECTRON PUMPING
- ELECTRON RADIATION
- ELECTRONS
- ELEMENTARY PARTICLES
- EMISSION SPECTRA
- FISSION PRODUCTS
- GAMMA RAY ABSORPTION
- HEALTH PHYSICS
- HIGH ENERGY INTERACTIONS
- IONIZING RADIATION
- IRRADIATION
- NEUTRONS
- PARTICLE PRODUCTION
- PHOTONS
- ∞RADIATION
- RADIATION EFFECTS
- RADIATION HAZARDS
- RADIOACTIVE CONTAMINANTS
- RADIOACTIVE DECAY
- RADIOACTIVE MATERIALS
- RADIOACTIVITY
- RADIOBIOLOGY
- RADIOCHEMISTRY
- VELA SATELLITES

### NUCLEAR RADIATION SPECTROSCOPY

- GS SPECTROSCOPY
- RT NUCLEAR RADIATION SPECTROSCOPY
- MASS SPECTROSCOPY
- SPECTROSCOPIC ANALYSIS
- VACUUM SPECTROSCOPY

### NUCLEAR RAMJET ENGINES

- GS ENGINES
- ROCKET ENGINES
- RT NUCLEAR RAMJET ENGINES
- PLUTO REACTORS
- ∞ROCKETS
- SUPERSONIC LOW ALTITUDE MISSILE

### NUCLEAR REACTIONS

- UF NEUTRON TRANSMUTATION
- GS NUCLEAR REACTIONS
- NUCLEAR FISSION
- NUCLEAR INTERACTIONS
- NUCLEAR CAPTURE
- ELECTRON CAPTURE
- SPIN-ORBIT INTERACTIONS
- ELECTRON CAPTURE
- WEAK INTERACTIONS (FIELD THEORY)
- NUCLEAR SCATTERING
- NEUTRON SCATTERING
- RESONANCE SCATTERING
- NUCLEAR TRANSFORMATIONS

### NUCLEAR REACTIONS-(CONT.)

- TRANSMUTATION
- PHOTONUCLEAR REACTIONS
- PROTON SCATTERING
- PROTON-PROTON REACTIONS
- RADIOACTIVE DECAY
- ALPHA DECAY
- NEUTRON EMISSION
- SPALLATION
- THERMONUCLEAR REACTIONS
- NUCLEAR FUSION
- CONTROLLED FUSION
- RT BRAGG CURVE
- COMPTON EFFECT
- CRITICAL EXPERIMENTS
- CRITICAL MASS
- ELECTRON SCATTERING
- EMISSION
- HALF LIFE
- HIGH ENERGY INTERACTIONS
- INHOUR EQUATION
- ∞INTERACTIONS
- INTERNAL CONVERSION
- PAIR PRODUCTION
- PARTICLE INTERACTIONS
- PARTICLE PRODUCTION
- PHOTONEUTRONS
- POISONING (REACTION INHIBITION)
- POMERONS
- RADIATION ABSORPTION
- RADIOGENIC MATERIALS
- ∞REACTION
- REACTION KINETICS
- REACTIVITY
- SOLAR NEUTRINOS
- STRONG INTERACTIONS (FIELD THEORY)
- SUBCRITICAL MASS

### NUCLEAR REACTOR CONTROL

- RT CONFINEMENT
- ∞CONTROL
- CONTROL RODS
- ∞REACTION CONTROL
- REACTOR SAFETY

### NUCLEAR REACTORS

- GS NUCLEAR REACTORS
- ANNULAR CORE PULSE REACTORS
- ASTRON THERMONUCLEAR REACTOR
- BREEDER REACTORS
- EXPERIMENTAL BREEDER REACTOR
- 1
- EXPERIMENTAL BREEDER REACTOR
- 2
- LIGHT WATER BREEDER REACTORS
- LIQUID METAL FAST BREEDER REACTORS
- ENGINEERING TEST REACTORS
- FAST NUCLEAR REACTORS
- EXPERIMENTAL BREEDER REACTOR
- 1
- EXPERIMENTAL BREEDER REACTOR
- 2
- FAST OXIDE REACTORS
- FAST TEST REACTORS
- GAS COOLED FAST REACTORS
- LIQUID METAL FAST BREEDER REACTORS
- FUSION REACTORS
- SPHEROMAKS
- FUSION-FISSION HYBRID REACTORS
- GAS COOLED REACTORS
- EXPERIMENTAL GAS COOLED REACTORS
- GAS COOLED FAST REACTORS
- HIGH TEMPERATURE NUCLEAR REACTORS
- HIGH TEMPERATURE GAS COOLED REACTORS
- KIWI REACTORS
- KIWI B REACTORS
- KIWI B-1 REACTOR
- KIWI B-4 REACTOR
- TORY 2 REACTOR
- TORY 2-A REACTOR
- TORY 2-C REACTOR
- GASEOUS FISSION REACTORS
- HANFORD REACTORS
- HIGH FLUX ISOTOPE REACTORS
- LIQUID COOLED REACTORS
- LIQUID METAL COOLED REACTORS
- ADVANCED SODIUM COOLED REACTOR

### NUCLEAR REACTORS-(CONT.)

- EXPERIMENTAL BREEDER REACTOR
- 1
- EXPERIMENTAL BREEDER REACTOR
- 2
- LITHIUM COOLED REACTOR
- EXPERIMENT
- LOS ALAMOS MOLTEN PLUTONIUM REACTOR
- MILITARY COMPACT REACTORS
- SODIUM GRAPHITE REACTORS
- SODIUM REACTOR EXPERIMENT
- ORGANIC COOLED REACTORS
- EXPERIMENTAL ORGANIC COOLED REACTORS
- WATER COOLED REACTORS
- BOILING WATER REACTORS
- EXPERIMENTAL BOILING WATER REACTORS
- HALDEN BOILING WATER REACTOR
- LOS ALAMOS WATER BOILER REACTOR
- PATHFINDER NUCLEAR REACTOR
- SPERT REACTORS
- HEAVY WATER REACTORS
- HEAVY WATER COMPONENTS TEST REACTORS
- PLUTONIUM RECYCLE TEST REACTOR
- ZERO POWER REACTOR 2
- LIGHT WATER REACTORS
- NRX REACTORS
- PLUM BROOK REACTOR
- PRESSURIZED WATER REACTORS
- SPECTRAL SHIFT CONTROL REACTOR
- SWIMMING POOL REACTORS
- ZERO POWER REACTORS
- ZERO POWER REACTOR 2
- ZERO POWER REACTOR 3
- ZERO POWER REACTOR 6
- ZERO POWER REACTOR 9
- MOLTEN SALT NUCLEAR REACTORS
- NUCLEAR POWER REACTORS
- KIWI REACTORS
- KIWI B REACTORS
- KIWI B-1 REACTOR
- KIWI B-4 REACTOR
- PATHFINDER NUCLEAR REACTOR
- PLUTONIUM RECYCLE TEST REACTOR
- SPACE POWER REACTORS
- FISSION ELECTRIC CELLS
- SNAP 2
- SNAP 4
- SNAP 8
- SNAP 10A
- SPACE POWER UNIT REACTORS
- TORY 2 REACTOR
- TORY 2-A REACTOR
- TORY 2-C REACTOR
- NUCLEAR RESEARCH AND TEST REACTORS
- ADVANCED TEST REACTORS
- EXPERIMENTAL BOILING WATER REACTORS
- EXPERIMENTAL BREEDER REACTOR
- 1
- EXPERIMENTAL BREEDER REACTOR
- 2
- EXPERIMENTAL GAS COOLED REACTORS
- EXPERIMENTAL ORGANIC COOLED REACTORS
- HEALTH PHYSICS RESEARCH REACTOR
- HEAVY WATER COMPONENTS TEST REACTORS
- HERO REACTOR
- HIGH TEMPERATURE NUCLEAR REACTORS
- JANUS REACTOR
- KIWI REACTORS
- KIWI B REACTORS
- KIWI B-1 REACTOR
- KIWI B-4 REACTOR
- LIVERMORE POOL TYPE REACTOR
- LOS ALAMOS MOLTEN PLUTONIUM REACTOR
- MILITARY COMPACT REACTORS
- NRX REACTORS
- PLUM BROOK REACTOR
- PLUTONIUM RECYCLE TEST REACTOR
- SODIUM REACTOR EXPERIMENT

## NUCLEI (CYTOLOGY)

### NUCLEAR REACTORS-(CONT.)

- .. SPERT REACTORS
- .. TORY 2 REACTOR
- .. TORY 2-A REACTOR
- .. TORY 2-C REACTOR
- .. TOWER SHIELDING REACTOR 2
- .. ZERO POWER REACTOR 2
- .. ZERO POWER REACTOR 3
- .. ZERO POWER REACTOR 6
- .. ZERO POWER REACTOR 9
- .. ORGANIC MODERATED REACTORS
- .. EXPERIMENTAL ORGANIC COOLED REACTORS
- .. PEBBLE BED REACTORS
- .. PHOEBUS NUCLEAR REACTOR
- .. PLASMA CORE REACTORS
- .. PLUTO REACTORS
- .. THERMAL REACTORS
- .. TOKAMAK DEVICES
- .. JOINT EUROPEAN TORUS
- .. WATER MODERATED REACTORS
- .. EXPERIMENTAL BOILING WATER REACTORS
- .. HEAVY WATER COMPONENTS TEST REACTORS
- .. PLUTONIUM RECYCLE TEST REACTOR
- RT CLOSED CYCLES
- CONTROL RODS
- COOLANTS
- FISSILE FUELS
- HIGH FLUX BEAM REACTORS
- IN HOUR EQUATION
- LOSS OF COOLANT
- MODERATORS
- ∞ NUCLEAR ENERGY
- ∞ PILES
- RADIATION SHIELDING
- REACTOR CORES
- REACTOR DESIGN
- REACTOR MATERIALS
- REACTOR PHYSICS
- REACTOR SAFETY
- REACTOR STARTUP TESTS
- REACTOR TECHNOLOGY
- ∞ REACTORS
- ROVER PROJECT
- STELLARATORS
- THERMAL NEUTRONS
- THERMAL POLLUTION

### NUCLEAR RELAXATION

- RT RELAXATION (MECHANICS)

### NUCLEAR RESEARCH

- GS RESEARCH
- .. NUCLEAR RESEARCH
- RT HIGH ENERGY INTERACTIONS
- LABORATORIES
- ∞ NUCLEAR ENERGY
- PLASMA CORE REACTORS
- RADIOCHEMISTRY

### NUCLEAR RESEARCH AND TEST REACTORS

- UF MATERIALS TESTING REACTORS
- NUCLEAR TEST REACTORS
- PHYSICAL CONSTANTS TESTING REACTOR
- GS NUCLEAR REACTORS
- .. NUCLEAR RESEARCH AND TEST REACTORS
- .. ADVANCED TEST REACTORS
- .. EXPERIMENTAL BOILING WATER REACTORS
- .. EXPERIMENTAL BREEDER REACTOR 1
- .. EXPERIMENTAL BREEDER REACTOR 2
- .. EXPERIMENTAL GAS COOLED REACTORS
- .. EXPERIMENTAL ORGANIC COOLED REACTORS
- .. HEALTH PHYSICS RESEARCH REACTOR
- .. HEAVY WATER COMPONENTS TEST REACTORS
- .. HERO REACTOR
- .. HIGH TEMPERATURE NUCLEAR REACTORS
- .. JANUS REACTOR
- .. KIWI REACTORS
- .. KIWI B REACTORS
- .. KIWI B-1 REACTOR
- .. KIWI B-4 REACTOR
- .. LIVERMORE POOL TYPE REACTOR

### NUCLEAR RESEARCH AND TEST-(CONT.)

- .. LOS ALAMOS MOLTEN PLUTONIUM REACTOR
- .. MILITARY COMPACT REACTORS
- .. NRX REACTORS
- .. PLUM BROOK REACTOR
- .. PLUTONIUM RECYCLE TEST REACTOR
- .. SODIUM REACTOR EXPERIMENT
- .. SPERT REACTORS
- .. TORY 2 REACTOR
- .. TORY 2-A REACTOR
- .. TORY 2-C REACTOR
- .. TOWER SHIELDING REACTOR 2
- .. ZERO POWER REACTOR 2
- .. ZERO POWER REACTOR 3
- .. ZERO POWER REACTOR 6
- .. ZERO POWER REACTOR 9
- RT BOILING WATER REACTORS
- NEUTRON SOURCES
- REACTOR DESIGN
- REACTOR TECHNOLOGY
- ∞ REACTORS
- TRANSIENT REACTOR TEST FACILITY

### NUCLEAR ROCKET ENGINES

- UF THERMIONIC REACTORS
- GS ENGINES
- .. ROCKET ENGINES
- .. NUCLEAR ROCKET ENGINES
- .. NUCLEAR LIGHTBULB ENGINES
- RT BOOSTER ROCKET ENGINES
- ION ENGINES
- MERCURY ION ENGINES
- PHOEBUS NUCLEAR REACTOR
- PLUTO REACTORS
- RESTARTABLE ROCKET ENGINES
- ∞ ROCKETS
- SUSTAINER ROCKET ENGINES

### NUCLEAR SCATTERING

- SN (SCATTERING CAUSED BY NUCLEUS AND NOT BY ORBITAL ELECTRONS)
- GS NUCLEAR REACTIONS
- .. NUCLEAR SCATTERING
- .. NEUTRON SCATTERING
- .. RESONANCE SCATTERING
- SCATTERING
- .. NUCLEAR SCATTERING
- .. NEUTRON SCATTERING
- .. RESONANCE SCATTERING
- RT ANGULAR DISTRIBUTION
- BACKSCATTERING
- COHERENT SCATTERING
- ELASTIC SCATTERING
- ELECTRON SCATTERING
- FORWARD SCATTERING
- INCOHERENT SCATTERING
- INELASTIC SCATTERING
- MANDELSTAM REPRESENTATION

### NUCLEAR SHIELDING

- USE RADIATION SHIELDING

### NUCLEAR SPIN

- GS SPIN
- .. PARTICLE SPIN
- .. NUCLEAR SPIN
- RT ELECTRON SPIN
- ENERGY LEVELS
- KONDO EFFECT
- MAGNETIC RESONANCE
- OVERHAUSER EFFECT
- QUANTUM NUMBERS
- QUANTUM THEORY

### NUCLEAR STRUCTURE

- RT ENERGY LEVELS
- EVEN-EVEN NUCLEI
- ODD-ODD NUCLEI

### NUCLEAR TEST REACTORS

- USE NUCLEAR RESEARCH AND TEST REACTORS

### NUCLEAR TRANSFORMATIONS

- GS NUCLEAR REACTIONS
- .. NUCLEAR TRANSFORMATIONS
- .. TRANSMUTATION

### NUCLEAR VULNERABILITY

- GS VULNERABILITY
- .. NUCLEAR VULNERABILITY
- RT PENETRATION
- RADIATION EFFECTS

### NUCLEAR VULNERABILITY-(CONT.)

THERMONUCLEAR EXPLOSIONS

### NUCLEAR WARFARE

- GS WARFARE
- .. NUCLEAR WARFARE
- RT CIVIL DEFENSE
- HARDENING (SYSTEMS)
- ∞ NUCLEAR ENERGY

### NUCLEAR WARHEADS

- GS WEAPONS
- .. WARHEADS
- .. NUCLEAR WARHEADS

### NUCLEAR WASTES

- USE RADIOACTIVE WASTES

### NUCLEAR WEAPONS

- GS WEAPONS
- .. NUCLEAR WEAPONS
- .. FISSION WEAPONS
- RT BOMBS (ORDNANCE)
- EXPLOSIVES
- MISSILES
- ∞ NUCLEAR ENERGY
- PROJECTILES
- ∞ ROCKETS
- SPACE WEAPONS
- TORPEDOES
- WARHEADS
- WEAPON SYSTEMS
- WEAPONS DELIVERY

### NUCLEASE

- GS BIOPOLYMERS
- .. PROTEINS
- .. ENZYMES
- .. NUCLEASE
- ORGANIC COMPOUNDS
- .. PROTEINS
- .. ENZYMES
- .. NUCLEASE

### NUCLEATE BOILING

- GS PHASE TRANSFORMATIONS
- .. VAPORIZING
- .. BOILING
- .. NUCLEATE BOILING
- .. LEIDENFROST PHENOMENON
- RT FILM BOILING
- HEAT TRANSFER
- HEAT TRANSFER COEFFICIENTS
- NUCLEATION

### NUCLEATION

- GS NUCLEATION
- .. CLOUD SEEDING
- .. ACCUMULATIONS
- .. AITKEN NUCLEI
- .. CONDENSATION NUCLEI
- .. CONDENSING
- .. CRYSTAL GROWTH
- .. CRYSTALLIZATION
- .. DROP SIZE
- ∞ FORMATION
- .. HEAT TREATMENT
- .. ICE NUCLEI
- .. INITIATION
- .. INOCULATION
- .. JET CONDENSERS
- .. NUCLEATE BOILING
- ∞ NUCLEI
- .. RECRYSTALLIZATION
- .. SUPERCOOLING

### ∞ NUCLEI

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT ACTIVE GALACTIC NUCLEI
- AITKEN NUCLEI
- CHARGED PARTICLES
- CHROMOSOMES
- CONDENSATION NUCLEI
- ICE NUCLEI
- NUCLEATION
- NUCLEI (CYTOLOGY)
- NUCLEI (NUCLEAR PHYSICS)
- NUCLEOGENESIS
- ODD-ODD NUCLEI

### NUCLEI (CYTOLOGY)

- GS ORGANELLES

## NUCLEI (NUCLEAR PHYSICS)

### NUCLEI (CYTOLOGY)-(CONT.)

- RT NUCLEI (CYTOLOGY)
- CELLS (BIOLOGY)
- CYTOLOGY
- CYTOPLASM
- GENETICS
- ∞ NUCLEI

### NUCLEI (NUCLEAR PHYSICS)

- GS PARTICLES
  - CHARGED PARTICLES
  - ENERGETIC PARTICLES
  - NUCLEI (NUCLEAR PHYSICS)
  - EVEN-EVEN NUCLEI
  - HEAVY NUCLEI
  - HYPERNUCLEI
  - ODD-EVEN NUCLEI
  - ODD-ODD NUCLEI
- RT ATOMS
- CORPUSCULAR RADIATION
- COSMIC RAYS
- ELEMENTARY PARTICLES
- IONS
- ISOTOPES
- NEUTRONS
- NUCLEAR ISOBARS
- ∞ NUCLEI
- NUCLEONS
- ∞ PHYSICS
- PROTONS

### NUCLEIC ACID DENATURATION

- USE BIOPOLYMER DENATURATION

### NUCLEIC ACIDS

- GS ACIDS
  - NUCLEIC ACIDS
  - DEOXYRIBONUCLEIC ACID
  - RIBONUCLEIC ACIDS
- BIOPOLYMERS
  - NUCLEIC ACIDS
  - DEOXYRIBONUCLEIC ACID
  - RIBONUCLEIC ACIDS
- ORGANIC COMPOUNDS
  - NUCLEIC ACIDS
  - DEOXYRIBONUCLEIC ACID
  - RIBONUCLEIC ACIDS
- RT BIOPOLYMER DENATURATION
- GUANOSINES
- PROTEINS
- URIDYLIC ACID

### NUCLOGENESIS

- RT GENETICS
- MUTATIONS
- ∞ NUCLEI

### NUCLEON POTENTIAL

- RT NEUTRONS
- NUCLEAR PARTICLES
- NUCLEAR POTENTIAL
- ∞ POTENTIAL
- PROTONS
- ∞ RADIATION

### NUCLEON-NUCLEON INTERACTIONS

- GS PARTICLE INTERACTIONS
- ELEMENTARY PARTICLE INTERACTIONS
- NUCLEON-NUCLEON INTERACTIONS
- RT CHARGED PARTICLES
- ∞ INTERACTIONS

### NUCLEON-NUCLEON SCATTERING

- GS SCATTERING
- NUCLEON-NUCLEON SCATTERING
- RT NUCLEAR PARTICLES
- PARTICLE COLLISIONS
- POMERANCHUK THEOREM

### NUCLEONICS

- RT ∞ ELECTRONICS
- ∞ NUCLEAR ENERGY
- NUCLEAR PHYSICS
- TECHNOLOGIES

### NUCLEONS

- GS PARTICLES
  - ELEMENTARY PARTICLES
  - NUCLEONS
  - NUCLEAR PARTICLES
  - NUCLEONS
- RT ALPHA PARTICLES
- ANTINUCLEONS

### NUCLEONS-(CONT.)

- BARYONS
- CHARGED PARTICLES
- FAST NEUTRONS
- HYPERONS
- NEUTRONS
- NUCLEI (NUCLEAR PHYSICS)
- PROTONS
- VECTOR DOMINANCE MODEL

### NUCLEOPHILES

- GS ELECTRON ATTACHMENT
- NUCLEOPHILES

### NUCLEOSIDES

- GS ORGANIC COMPOUNDS
  - CARBOHYDRATES
  - GLUCOSIDES
  - NUCLEOSIDES
  - ADENINES
  - GUANOSINES
- RT RIBOSE
- THYMIDINE

### NUCLEOSYNTHESIS

- USE NUCLEAR FUSION

### NUCLEOTIDES

- GS ORGANIC COMPOUNDS
  - NUCLEOTIDES
  - ADENINES
  - ADENOSINES
  - ADENOSINE DIPHOSPHATE
  - ADENOSINE TRIPHOSPHATE
  - CYCLIC AMP
  - POLYNUCLEOTIDES
  - PYRIDINE NUCLEOTIDES
  - URIDYLIC ACID
- RT BIOPOLYMERS
- PROTEINS

### NUCLIDES

- GS CHEMICAL ELEMENTS
  - NUCLIDES
  - ISOTOPES
  - ALUMINUM ISOTOPES
  - ALUMINUM 26
  - ALUMINUM 27
  - ANTIMONY ISOTOPES
  - ARGON ISOTOPES
  - BARIIUM ISOTOPES
  - BERYLLIUM ISOTOPES
  - BERYLLIUM 7
  - BERYLLIUM 9
  - BERYLLIUM 10
  - BISMUTH ISOTOPES
  - BORON ISOTOPES
  - BORON 10
  - BROMINE ISOTOPES
  - CADMIUM ISOTOPES
  - CALCIUM ISOTOPES
  - CARBON ISOTOPES
  - CARBON 12
  - CARBON 13
  - CARBON 14
  - CERIUM ISOTOPES
  - CERIUM 137
  - CERIUM 144
  - CESIUM ISOTOPES
  - CESIUM 133
  - CESIUM 134
  - CESIUM 137
  - CESIUM 144
  - CESIUM VAPOR
  - CHROMIUM ISOTOPES
  - COBALT ISOTOPES
  - COBALT 58
  - COBALT 60
  - DYSPROSIUM ISOTOPES
  - ERBIUM ISOTOPES
  - EUROPIUM ISOTOPES
  - FLUORINE ISOTOPES
  - GADOLINIUM ISOTOPES
  - GALLIUM ISOTOPES
  - GERMANIUM ISOTOPES
  - HAFNIUM ISOTOPES
  - HELIUM ISOTOPES
  - HOLMIUM ISOTOPES
  - HYDROGEN ISOTOPES
  - DEUTERIUM
  - HYDROGEN 4
  - TRITIUM
  - IODINE ISOTOPES
  - IODINE 125
  - IODINE 131

### NUCLIDES-(CONT.)

- IODINE 132
- IRIDIUM ISOTOPES
- IRON ISOTOPES
- IRON 57
- IRON 58
- IRON 59
- KRYPTON ISOTOPES
- KRYPTON 85
- LANTHANUM ISOTOPES
- LEAD ISOTOPES
- LITHIUM ISOTOPES
- LUTETIUM
- LUTETIUM ISOTOPES
- MANGANESE ISOTOPES
- MERCURY ISOTOPES
- MOLYBDENUM ISOTOPES
- NEODYMIUM ISOTOPES
- NEON ISOTOPES
- NICKEL ISOTOPES
- NIOBIIUM ISOTOPES
- NIOBIIUM 95
- NITROGEN ISOTOPES
- NITROGEN 15
- NITROGEN 16
- NOBELIUM ISOTOPES
- OXYGEN ISOTOPES
- OXYGEN 18
- PALLADIUM ISOTOPES
- PHOSPHORUS ISOTOPES
- PHOSPHORUS 32
- PLATINUM ISOTOPES
- POLONIUM ISOTOPES
- POLONIUM 208
- POLONIUM 209
- POLONIUM 210
- POTASSIUM ISOTOPES
- POTASSIUM 38
- POTASSIUM 39
- POTASSIUM 40
- PRASEODYMIUM ISOTOPES
- PROMETHIUM ISOTOPES
- PROTACTINIUM ISOTOPES
- RADIOACTIVE ISOTOPES
- ARSENIC ISOTOPES
- ASTATINE ISOTOPES
- BERYLLIUM 7
- BERYLLIUM 9
- BERYLLIUM 10
- CARBON 14
- CERIUM 137
- CERIUM 144
- CESIUM 134
- CESIUM 137
- CESIUM 144
- COBALT 58
- COBALT 60
- GOLD ISOTOPES
- GOLD 198
- INDIUM ISOTOPES
- IODINE 125
- IODINE 131
- IODINE 132
- IRON 59
- KRYPTON 85
- NIOBIIUM 95
- NITROGEN 16
- PHOSPHORUS 32
- POLONIUM 208
- POLONIUM 209
- POLONIUM 210
- POTASSIUM 38
- POTASSIUM 40
- RUBIDIUM 86
- SODIUM 22
- SODIUM 24
- STRONTIUM 85
- STRONTIUM 88
- STRONTIUM 89
- STRONTIUM 90
- TRANSURANIUM ELEMENTS
- AMERICIUM
- AMERICIUM ISOTOPES
- BERKELIUM
- CALIFORNIUM
- CALIFORNIUM ISOTOPES
- CURIUM
- CURIUM ISOTOPES
- EINSTEINIUM
- FERMIUM
- LAWRENCIUM
- MENDELEVIUM
- MENDELEVIUM ISOTOPES
- NEPTUNIUM
- NEPTUNIUM ISOTOPES
- NOBELIUM

## NUCLIDES-(CONT.)

- ..... PLUTONIUM
  - ..... PLUTONIUM ISOTOPES
  - ..... SERGENIUM
  - ..... TRITIUM
  - ..... URANIUM 232
  - ..... URANIUM 233
  - ..... URANIUM 238
  - ..... XENON 133
  - ..... XENON 135
  - ..... ZIRCONIUM 95
  - ..... RADIUM ISOTOPES
  - ..... RADIUM 226
  - ..... RADON ISOTOPES
  - ..... RHODIUM ISOTOPES
  - ..... RUBIDIUM ISOTOPES
  - ..... RUBIDIUM 86
  - ..... RUTHENIUM ISOTOPES
  - ..... SCANDIUM ISOTOPES
  - ..... SELENIUM ISOTOPES
  - ..... SILVER ISOTOPES
  - ..... SODIUM ISOTOPES
  - ..... SODIUM 22
  - ..... SODIUM 24
  - ..... STRONTIUM ISOTOPES
  - ..... STRONTIUM 85
  - ..... STRONTIUM 87
  - ..... STRONTIUM 89
  - ..... STRONTIUM 90
  - ..... TANTALUM ISOTOPES
  - ..... TELLURIUM
  - ..... TELLURIUM ISOTOPES
  - ..... TERBIUM ISOTOPES
  - ..... THORIUM ISOTOPES
  - ..... THULIUM ISOTOPES
  - ..... TIN ISOTOPES
  - ..... TITANIUM ISOTOPES
  - ..... URANIUM ISOTOPES
  - ..... URANIUM 232
  - ..... URANIUM 233
  - ..... URANIUM 234
  - ..... URANIUM 235
  - ..... URANIUM 238
  - ..... VANADIUM ISOTOPES
  - ..... XENON ISOTOPES
  - ..... XENON 129
  - ..... XENON 133
  - ..... XENON 135
  - ..... YTTRIUM ISOTOPES
  - ..... ZINC ISOTOPES
  - ..... ZIRCONIUM ISOTOPES
  - ..... ZIRCONIUM 95
  - RT ISOTOPIC ENRICHMENT
  - NUCLEAR ISOBARS
  - PARTICLE MASS
- NULL HYPOTHESIS**
- GS HYPOTHESES
  - ..... **NULL HYPOTHESIS**
  - RT CONFIDENCE LIMITS
  - DEGREES OF FREEDOM
  - SIGNIFICANCE
  - STATISTICAL TESTS
- NULL ZONES**
- GS REGIONS
  - ..... **NULL ZONES**
  - RT DIFFRACTION PATTERNS
  - FIELD THEORY (PHYSICS)
  - ∞ FORCE
  - INTERFEROMETRY
  - RADIATION DISTRIBUTION
  - SPECKLE INTERFEROMETRY
  - VERY LONG BASE INTERFEROMETRY

## NUMBER THEORY

- GS **NUMBER THEORY**
- ADDITION THEOREM
- ARITHMETIC
- ..... DOUBLE PRECISION ARITHMETIC
- ..... FIXED POINT ARITHMETIC
- ..... FLOATING POINT ARITHMETIC
- CONGRUENCES
- DIOPHANTINE EQUATION
- DIVIDING (MATHEMATICS)
- EXPONENTS
- INDUCTION (MATHEMATICS)
- INTEGERS
- MULTIPLICATION
- SUBTRACTION
- RT ADDITION
- COMBINATORIAL ANALYSIS
- DECIMALS
- DIGITS
- ∞ DIVISION

## NUMBER THEORY-(CONT.)

- ENUMERATION
  - FIBONACCI NUMBERS
  - FUNCTIONS (MATHEMATICS)
  - ∞ INDUCTION
  - INFINITY
  - ∞ MATHEMATICS
  - ∞ NUMBERS
  - QUATERNIONS
  - SUBGROUPS
  - ∞ THEORIES
  - UNIQUENESS THEOREM
- ∞ NUMBERS**
- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)*
  - RT ALPHANUMERIC CHARACTERS
  - BIOT NUMBER
  - COMPLEX NUMBERS
  - COUNTING
  - DAMKOHLER NUMBER
  - DECIMALS
  - DIGITS
  - DIMENSIONLESS NUMBERS
  - DOUBLE PRECISION ARITHMETIC
  - FIBONACCI NUMBERS
  - INTEGERS
  - NUMBER THEORY
  - QUANTUM NUMBERS
  - RANDOM NUMBERS
  - REAL NUMBERS

## NUMERICAL ANALYSIS

- GS ANALYSIS (MATHEMATICS)
- ..... **NUMERICAL ANALYSIS**
- ..... APPROXIMATION
- ..... BORN APPROXIMATION
- ..... BORN-OPPENHEIMER APPROXIMATION
- ..... CHEBYSHEV APPROXIMATION
- ..... EDDINGTON APPROXIMATION
- ..... FINITE DIFFERENCE THEORY
- ..... FINITE ELEMENT METHOD
- ..... HARTREE APPROXIMATION
- ..... LEAST SQUARES METHOD
- ..... MEAN SQUARE VALUES
- ..... MILNE METHOD
- ..... NEWTON METHODS
- ..... NEWTON-RAPHSON METHOD
- ..... NUMERICAL DIFFERENTIATION
- ..... OSEEN APPROXIMATION
- ..... PADE APPROXIMATION
- ..... PARTICLE IN CELL TECHNIQUE
- ..... POHLHAUSEN METHOD
- ..... PREDICTOR-CORRECTOR METHODS
- ..... RAYLEIGH-RITZ METHOD
- ..... RELAXATION METHOD (MATHEMATICS)
- ..... RITZ AVERAGING METHOD
- ..... SCHWARTZ METHOD
- ..... SOMMERFELD APPROXIMATION
- ..... BOUNDARY INTEGRAL METHOD
- ..... COMPUTATIONAL CHEMISTRY
- ..... COMPUTATIONAL FLUID DYNAMICS
- ..... DIFFERENCE EQUATIONS
- ..... ERROR ANALYSIS
- ..... FINITE VOLUME METHOD
- ..... FLUX VECTOR SPLITTING
- ..... GLIMM METHOD
- ..... GRAEFF CALCULUS
- ..... INTERPOLATION
- ..... ITERATION
- ..... CONJUGATE GRADIENT METHOD
- ..... ITERATIVE SOLUTION
- ..... NEWTON METHODS
- ..... PREDICTOR-CORRECTOR METHODS
- ..... MONTE CARLO METHOD
- ..... NOMOGRAPHS
- ..... NUMERICAL INTEGRATION
- ..... RUNGE-KUTTA METHOD
- ..... TRUNCATION ERRORS
- RT ADJOINTS
- ALGORITHMS
- ALTERNATING DIRECTION IMPLICIT METHODS
- ∞ ANALYZING
- ∞ APPLICATIONS OF MATHEMATICS
- ASYMPTOTES
- COMPUTATIONAL GRIDS
- COMPUTER PROGRAMMING
- CRANK-NICHOLSON METHOD
- DIFFERENTIAL EQUATIONS
- ISOPARAMETRIC FINITE ELEMENTS
- LINEAR PROGRAMMING

## NUMERICAL ANALYSIS-(CONT.)

- MATHEMATICAL TABLES
  - ∞ MATHEMATICS
  - METHOD OF MOMENTS
  - SIGNIFICANCE
  - SPATIAL MARCHING
  - TIME MARCHING
  - TRAJECTORY ANALYSIS
- NUMERICAL CONTROL**
- UF COMPUTERIZED CONTROL
  - GS AUTOMATIC CONTROL
  - ..... **NUMERICAL CONTROL**
  - RT ∞ AUTOMATION
  - COMPUTER PROGRAMS
  - ∞ CONTROL
  - CONTROL SYSTEMS DESIGN
  - DIGITAL COMMAND SYSTEMS
  - DIGITAL TECHNIQUES
  - ELECTRIC CONTROL
  - INTERACTIVE CONTROL
  - MACHINE TOOLS
  - PRODUCTION ENGINEERING
  - SEQUENTIAL CONTROL
  - STANDARDIZATION

## NUMERICAL DATA BASES

- GS INFORMATION SYSTEMS
- ..... **NUMERICAL DATA BASES**
- RT INFORMATION RETRIEVAL
- ON-LINE SYSTEMS

## NUMERICAL DIFFERENTIATION

- GS ANALYSIS (MATHEMATICS)
- ..... NUMERICAL ANALYSIS
- ..... APPROXIMATION
- ..... **NUMERICAL DIFFERENTIATION**
- ..... REAL VARIABLES
- ..... **NUMERICAL DIFFERENTIATION**
- RT ALGORITHMS
- COMPUTER TECHNIQUES
- DIFFERENTIAL CALCULUS
- DIFFERENTIAL EQUATIONS
- ESTIMATING
- FUNCTIONS (MATHEMATICS)
- ∞ THEORIES

## NUMERICAL FLOW VISUALIZATION

- GS FLOW VISUALIZATION
- ..... **NUMERICAL FLOW VISUALIZATION**
- RT FLOW DISTRIBUTION
- HYDRAULIC ANALOGIES

## NUMERICAL INTEGRATION

- UF COWELL METHOD
- GS ANALYSIS (MATHEMATICS)
- ..... NUMERICAL ANALYSIS
- ..... **NUMERICAL INTEGRATION**
- ..... RUNGE-KUTTA METHOD
- ..... REAL VARIABLES
- ..... MEASURE AND INTEGRATION
- ..... **NUMERICAL INTEGRATION**
- ..... RUNGE-KUTTA METHOD
- RT DIFFERENTIAL EQUATIONS
- DIGITAL INTEGRATORS
- INTEGRAL CALCULUS

## NUMERICAL STABILITY

- RT APPROXIMATION
- BACKWARD DIFFERENCING
- DIFFERENCE EQUATIONS
- DIFFERENTIAL EQUATIONS
- STRANGE ATTRACTORS

## NUMERICAL WEATHER FORECASTING

- GS FORECASTING
- ..... WEATHER FORECASTING
- ..... **NUMERICAL WEATHER FORECASTING**
- ..... METEOROLOGY
- ..... WEATHER FORECASTING
- ..... **NUMERICAL WEATHER FORECASTING**
- RT ATMOSPHERIC MODELS
- AVIATION METEOROLOGY
- COMPUTERIZED SIMULATION
- LONG RANGE WEATHER FORECASTING
- MATHEMATICAL MODELS
- STATISTICAL WEATHER FORECASTING

## NUNATAKS

- GS LANDFORMS
- ..... ISLANDS
- ..... **NUNATAKS**
- RT ARCTIC REGIONS

## NUSSELT NUMBER

### NUNATAKS-(CONT.)

ROCKS  
SEA ICE

### NUSSELT NUMBER

GS RATIOS  
. DIMENSIONLESS NUMBERS  
. **NUSSELT NUMBER**  
RT CONVECTIVE HEAT TRANSFER  
HEAT TRANSFER  
PRANDTL NUMBER  
SCHMIDT NUMBER

### NUTATION

UF NUTATIONAL OSCILLATION  
RT ACTUATION  
DISPLACEMENT  
∞ DYNAMICS  
EARTH ORIENTATION  
KINEMATICS  
LIBRATION  
∞ MOTION  
PERTURBATION  
POLAR WANDERING (GEOLOGY)  
PRECESSION  
ROTATION  
VIBRATION

### NUTATION DAMPERS

RT CONTROL MOMENT GYROSCOPES  
∞ DAMPERS  
OSCILLATION DAMPERS  
SPACECRAFT STABILITY

### NUTATIONAL OSCILLATION

USE NUTATION

### ∞ NUTRIENTS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED-CONSULT THE TERMS  
LISTED BELOW)*  
RT AQUICULTURE  
CALORIC REQUIREMENTS  
CARBOHYDRATES  
EUTROPHICATION  
FATS  
FATTY ACIDS  
FISHES  
LIFE SUPPORT SYSTEMS  
LIPID METABOLISM  
LIPIDS  
MINERALS  
NUTRITION  
NUTRITIONAL REQUIREMENTS  
PROTEINS  
TRACE ELEMENTS  
VITAMINS

### NUTRITION

RT BIOCHEMISTRY  
BROTHERS  
CALORIC REQUIREMENTS  
DIETS  
∞ FOOD  
METABOLISM  
NITROGEN METABOLISM  
∞ NUTRIENTS  
NUTRITIONAL REQUIREMENTS  
PHYSIOLOGY  
SPACE FLIGHT FEEDING

### NUTRITIONAL REQUIREMENTS

GS **NUTRITIONAL REQUIREMENTS**  
. CALORIC REQUIREMENTS  
RT ATROPHY  
∞ NUTRIENTS  
NUTRITION  
SPACE FLIGHT FEEDING  
SYNTHETIC FOOD

### NUTS (FASTENERS)

GS FASTENERS  
. **NUTS (FASTENERS)**  
RT ANCHORS (FASTENERS)  
BOLTS  
HOLDERS  
SCREWS  
THREADS

### NUTS (FRUITS)

RT ANGIOSPERMS  
ORCHARDS  
SEEDS

### NYLON (TRADEMARK)

GS FIBERS  
. SYNTHETIC FIBERS  
. **NYLON (TRADEMARK)**  
RT POLYMERIC FILMS  
∞ POLYMERS

### NYLON RESINS

USE POLYAMIDE RESINS

### NYQUIST DIAGRAM

GS DIAGRAMS  
. **NYQUIST DIAGRAM**  
RT CONTROL STABILITY  
TRANSFER FUNCTIONS

### NYQUIST FREQUENCIES

GS FREQUENCIES  
. **NYQUIST FREQUENCIES**  
RT LINEAR RECEIVERS

### NYSTAGMUS

GS EYE MOVEMENTS  
. **NYSTAGMUS**  
. VESTIBULAR NYSTAGMUS  
RT ELECTRONYSTAGMOGRAPHY  
EYE (ANATOMY)

## O

### O RING SEALS

GS SEALS (STOPPERS)  
. **O RING SEALS**  
RT GASKETS  
GLANDS (SEALS)  
HERMETIC SEALS  
LABYRINTH SEALS  
∞ RINGS  
SPACE SHUTTLE BOOSTERS

### O STARS

GS CELESTIAL BODIES  
. STARS  
. EARLY STARS  
. HOT STARS  
. **O STARS**  
RT BLUE STARS  
WOLF-RAYET STARS

### OAK RIDGE ISOCRONOUS CYCLOTRON

UF ORIC CYCLOTRON  
GS PARTICLE ACCELERATORS  
. CYCLOTRONS  
. **OAK RIDGE ISOCRONOUS  
CYCLOTRON**

### OAO

UF ORBITING ASTRONOMICAL  
OBSERVATORY  
S-18 SATELLITE  
GS OBSERVATORIES  
. ASTRONOMICAL OBSERVATORIES  
. ASTRONOMICAL SATELLITES  
. **OAO**  
. OAO 1  
. OAO 2  
. OAO 3  
RT AGENA B ROCKET VEHICLE  
ATLAS LAUNCH VEHICLES  
HEAO  
HEAO 1  
HEAO 2  
HEAO 3  
MANNED ORBITAL TELESCOPES

### OAO 1

UF OAO-A  
GS OBSERVATORIES  
. ASTRONOMICAL OBSERVATORIES  
. ASTRONOMICAL SATELLITES  
. **OAO**  
. **OAO 1**  
RT ATLAS CENTAUR LAUNCH VEHICLE

### OAO 2

UF OAO-A2  
GS OBSERVATORIES  
. ASTRONOMICAL OBSERVATORIES  
. ASTRONOMICAL SATELLITES  
. **OAO**  
. **OAO 2**

### OAO 2-(CONT.)

RT ATLAS CENTAUR LAUNCH VEHICLE

### OAO 3

UF COPERNICUS SPACECRAFT  
OAO-C  
GS OBSERVATORIES  
. ASTRONOMICAL OBSERVATORIES  
. ASTRONOMICAL SATELLITES  
. **OAO**  
. **OAO 3**  
RT ATLAS CENTAUR LAUNCH VEHICLE

### OAO-A

USE OAO 1

### OAO-A2

USE OAO 2

### OAO-C

USE OAO 3

### OASES

RT AQUIFERS  
ARID LANDS  
DESERTIFICATION  
DESERTS  
POTABLE WATER  
SPRINGS (WATER)  
VEGETATION  
WELLS

### OATS

GS FARM CROPS  
. GRAINS (FOOD)  
. **OATS**  
PLANTS (BOTANY)  
. **OATS**  
RT AGRICULTURE  
BOTANY  
CROP GROWTH  
CROP VIGOR  
CURING  
EARTH RESOURCES  
∞ FOOD  
GRASSES  
IRRIGATION  
SEEDS

### OBERON

GS CELESTIAL BODIES  
. NATURAL SATELLITES  
. URANUS SATELLITES  
. **OBERON**  
RT URANUS (PLANET)

### OBESITY

RT BODY FLUIDS  
BODY MEASUREMENT (BIOLOGY)  
BODY SIZE (BIOLOGY)  
BODY VOLUME (BIOLOGY)  
BODY WEIGHT  
METABOLISM

### OBJECT PROGRAMS

GS COMPUTER PROGRAMS  
. **OBJECT PROGRAMS**

### OBLATE SPHEROIDS

GS GEOMETRY  
. EUCLIDEAN GEOMETRY  
. ANALYTIC GEOMETRY  
. SPHEROIDS  
. **OBLATE SPHEROIDS**  
RT ELLIPTICITY  
FINENESS RATIO  
FLATTENING  
GEODESY  
GEOIDS  
PROLATE SPHEROIDS  
SHAPES  
SOLAR OBLATENESS

### OBLIQUE COORDINATES

GS COORDINATES  
. **OBLIQUE COORDINATES**  
RT CARTESIAN COORDINATES

### OBLIQUE SHOCK WAVES

GS ELASTIC WAVES  
. SHOCK WAVES  
. **OBLIQUE SHOCK WAVES**  
RT MAGNETOHYDRODYNAMIC WAVES  
NORMAL SHOCK WAVES

## OCEAN COLOR SCANNER

### OBLIQUE SHOCK WAVES-(CONT.)

SHOCK LAYERS  
SUPERSONIC COMPRESSORS

### OBLIQUE WINGS

GS AIRFOILS  
WINGS  
OBLIQUE WINGS  
RT AERODYNAMIC CONFIGURATIONS  
AIRCRAFT PARTS  
AIRCRAFT STRUCTURES  
DRONE AIRCRAFT  
PILOTLESS AIRCRAFT  
REMOTELY PILOTED VEHICLES  
WING PLANFORMS

### OBLIQUENESS

RT ANGLES (GEOMETRY)  
INCIDENT RADIATION

### OBSCURATION

USE OCCULTATION

### OBSERVABILITY (SYSTEMS)

RT BOUNDARY VALUE PROBLEMS  
CONTROL THEORY  
DEPENDENT VARIABLES  
FEEDBACK CONTROL  
INDEPENDENT VARIABLES  
OBSERVATION  
PARAMETER IDENTIFICATION  
STATE VECTORS  
SYSTEM IDENTIFICATION  
∞ SYSTEMS  
SYSTEMS ANALYSIS  
SYSTEMS ENGINEERING

### OBSERVATION

GS OBSERVATION  
EARTH OBSERVATIONS (FROM SPACE)  
SATELLITE OBSERVATION  
SPOT (FRENCH SATELLITE)  
SKY SURVEYS (ASTRONOMY)  
SPACE OBSERVATIONS (FROM EARTH)  
VISUAL OBSERVATION  
RT COUNTING  
DATA ACQUISITION  
DETECTION  
EVALUATION  
EXAMINATION  
FOREST FIRE DETECTION  
OBSERVABILITY (SYSTEMS)  
∞ PERFORMANCE  
RADIO OBSERVATION  
RECONNAISSANCE  
SURVEILLANCE

### OBSERVATION AIRCRAFT

GS OBSERVATION AIRCRAFT  
A-2 AIRCRAFT  
BREGUET 1150 AIRCRAFT  
CESSNA L-19 AIRCRAFT  
CL-84 AIRCRAFT  
E-2 AIRCRAFT  
F-5 AIRCRAFT  
G-91 AIRCRAFT  
G-95/4 AIRCRAFT  
MIRAGE AIRCRAFT  
MIRAGE 3 AIRCRAFT  
OH-4 HELICOPTER  
OH-5 HELICOPTER  
OH-6 HELICOPTER  
OV-1 AIRCRAFT  
OV-10 AIRCRAFT  
P-1127 AIRCRAFT  
P-1154 AIRCRAFT  
RB-50 AIRCRAFT  
RF-4 AIRCRAFT  
TSR-2 AIRCRAFT  
U-2 AIRCRAFT  
RT ∞ AIRCRAFT  
ANTISUBMARINE WARFARE AIRCRAFT  
ARC CLOUDS  
BALLOONS  
FLYING PLATFORMS  
GLIDERS  
HS-801 AIRCRAFT  
LIGHT AIRCRAFT  
∞ MILITARY AIRCRAFT  
RECONNAISSANCE AIRCRAFT  
TERRAIN FOLLOWING AIRCRAFT  
UTILITY AIRCRAFT  
WEATHER RECONNAISSANCE AIRCRAFT

### OBSERVATORIES

GS OBSERVATORIES  
ASTRONOMICAL OBSERVATORIES  
ASTRONOMICAL SATELLITES  
ASTRONOMICAL NETHERLANDS  
SATELLITE  
GAMMA RAY OBSERVATORY  
HEAO  
HEAO 1  
HEAO 2  
HEAO 3  
HUBBLE SPACE TELESCOPE  
INFRARED ASTRONOMY SATELLITE  
INFRARED SPACE OBSERVATORY  
(ISO)  
IUE  
MAGELLAN ULTRAVIOLET  
ASTRONOMY SATELLITE  
OAO  
OAO 1  
OAO 2  
OAO 3  
OSO  
AOSO  
OSO-1  
OSO-2  
OSO-3  
OSO-4  
OSO-5  
OSO-6  
OSO-7  
OSO-8  
QUASAT  
SAS  
EXPLORER 53 SATELLITE  
SAS-1  
SAS-2  
SAS-3  
SPACE INFRARED TELESCOPE  
FACILITY  
SPARTAN SATELLITES  
X RAY ASTROPHYSICS FACILITY  
ASTROPLANE  
ROSAT MISSION  
GEOPHYSICAL OBSERVATORIES  
OGO  
EGO  
OGO-A  
OGO-3  
OGO-5  
POGO  
OGO-C  
OGO-4  
OGO-6  
OSO  
OSO-C  
OSO-1  
OSO-2  
OSO-3  
OSO-4  
OSO-5  
OSO-6  
OSO-7  
OSO-8  
JODRELL BANK OBSERVATORY  
LUNAR OBSERVATORIES  
SOLAR OBSERVATORIES  
OSO  
AOSO  
OSO-C  
OSO-1  
OSO-2  
OSO-3  
OSO-4  
OSO-5  
OSO-6  
OSO-7  
OSO-8  
PINHOLE OCCULTER FACILITY  
RT ARTIFICIAL SATELLITES

### OBSIDIAN

GS ROCKS  
IGNEOUS ROCKS  
OBSIDIAN  
MOLDAVITE  
RT GLASS  
MINERALS  
POWDER (PARTICLES)  
PUMICE  
SILICON DIOXIDE  
SOILS

### OBSIDIAN GLASS

GS GLASS

### OBSIDIAN GLASS-(CONT.)

OBSIDIAN GLASS

### OBSTACLE AVOIDANCE

RT AIRCRAFT MANEUVERS  
EVASIVE ACTIONS  
TACTICS  
VULNERABILITY

### OBSTACLES

USE BARRIERS

### OBSSTRUCTING

USE BLOCKING

### OCCIPITAL LOBES

GS ANATOMY  
NERVOUS SYSTEM  
CENTRAL NERVOUS SYSTEM  
BRAIN  
CEREBRUM  
OCCIPITAL LOBES

### OCCCLUSION

RT DEGASSING  
GAS-METAL INTERACTIONS  
GAS-SOLID INTERFACES  
SOLIDIFICATION

### OCCULTATION

UF OBSCURATION  
GS OCCULTATION  
LUNAR OCCULTATION  
SOLAR ECLIPSES  
RADIO OCCULTATION  
STELLAR OCCULTATION  
RT ∞ CONJUNCTION  
ECLIPSES  
EXTINGUISHING  
PINHOLE OCCULTER FACILITY  
∞ TRANSIT

### OCCUPATION

RT INDUSTRIAL SAFETY  
PERSONNEL  
WORK

### OCCUPATIONAL DISEASES

GS DISEASES  
OCCUPATIONAL DISEASES  
RT ANEMIAS  
CARBON MONOXIDE POISONING  
CATARACTS  
EMPHYSEMA  
HAZARDS  
HEALTH PHYSICS  
LEAD POISONING  
LEUKEMIAS  
OPERATIONAL HAZARDS  
PUBLIC HEALTH  
PULMONARY LESIONS  
RADIATION HAZARDS  
TOXIC HAZARDS  
TUMORS

### OCCURRENCES

RT EVENTS

### OCEAN BOTTOM

RT BEDS (GEOLOGY)  
CONTINENTAL SHELVES  
CORE SAMPLING  
CRATONS  
DEEP WATER  
GEOLOGY  
MARINE CHEMISTRY  
MUD  
OCEANOGRAPHY  
SEAMOUNTS  
SEDIMENTS  
SLUDGE  
UNDERWATER RESOURCES

### OCEAN COLOR SCANNER

GS SCANNERS  
OCEAN COLOR SCANNER  
RT CHLOROPHYLLS  
COASTAL WATER  
COASTAL ZONE COLOR SCANNER  
COLORIMETRY  
MULTISPECTRAL BAND SCANNERS  
OCEAN DATA ACQUISITIONS SYSTEMS  
OCEANOGRAPHIC PARAMETERS  
OCEANOGRAPHY



## OCEAN CURRENTS

### OCEAN COLOR SCANNER-(CONT.)

PHOTOMAPPING  
REMOTE SENSORS  
WATER COLOR

### OCEAN CURRENTS

GS CIRCULATION  
  . WATER CIRCULATION  
  . . WATER CURRENTS  
  . . . OCEAN CURRENTS  
  . . . . COASTAL CURRENTS  
  . . . . EL NINO  
  . . . . GULF STREAM  
  . . . . LOMONOSOV CURRENT  
RT CORE SAMPLING  
∞ CURRENTS  
  FLUID FLOW  
  FRONTAL WAVES  
  GYRES  
  HYDROGRAPHY  
  LITTORAL DRIFT  
  LITTORAL TRANSPORT  
  OCEAN DYNAMICS  
  OCEANOGRAPHY  
  OCEANS  
  PRESSURE ICE  
  SALINITY  
  SPITSBERGEN (NORWAY)  
  TIDAL WAVES  
  TIDE POWERED GENERATORS  
  TIDE POWERED MACHINES  
  TIDEPower  
  TIDES  
  TOPEX  
  UPWELLING WATER  
  WATERWAVE ENERGY CONVERSION  
  WATERWAVE POWERED MACHINES

### OCEAN DATA ACQUISITIONS SYSTEMS

UF OCEAN DATA PLATFORMS  
  OCEAN DATA STATIONS  
  ODAS  
RT ARGOS SYSTEM  
  AUTOMATIC WEATHER STATIONS  
  BUOYS  
  COASTAL ZONE COLOR SCANNER  
∞ DATA  
  DATA ACQUISITION  
  GROUND STATIONS  
  INSTRUMENT PACKAGES  
  METEOROLOGICAL PARAMETERS  
  OCEAN COLOR SCANNER  
  OCEANOGRAPHIC PARAMETERS  
  SHIPS  
  TRANSOCEANIC SYSTEMS  
  UNDERWATER RESEARCH  
  LABORATORIES  
  WEATHER STATIONS

### OCEAN DATA PLATFORMS

USE OCEAN DATA ACQUISITIONS SYSTEMS

### OCEAN DATA STATIONS

USE OCEAN DATA ACQUISITIONS SYSTEMS

### OCEAN DYNAMICS

RT AIR WATER INTERACTIONS  
  DYNAMIC CHARACTERISTICS  
∞ DYNAMICS  
  FLUID DYNAMICS  
  HYDRODYNAMICS  
  OCEAN CURRENTS  
  OCEAN MODELS  
  OCEAN SURFACE  
  OCEANOGRAPHY  
  WATER WAVES

### OCEAN MODELS

GS MODELS  
  . OCEAN MODELS  
RT AIR WATER INTERACTIONS  
  ATMOSPHERIC MODELS  
  DYNAMIC MODELS  
  MARINE ENVIRONMENTS  
  MATHEMATICAL MODELS  
  OCEAN DYNAMICS  
  OCEANOGRAPHY  
  SARGASSO SEA  
  SEA ROUGHNESS  
  SEA STATES

### OCEAN SURFACE

RT EARTH SURFACE  
  FLUID FLOW  
  HYDROGRAPHY

### OCEAN SURFACE-(CONT.)

OCEAN DYNAMICS  
OCEANOGRAPHIC PARAMETERS  
OCEANOGRAPHY  
SARGASSO SEA  
SEA LEVEL  
SEA ROUGHNESS  
SEA STATES  
SEA SURFACE TEMPERATURE  
SEA TRUTH  
SEA WATER  
STORM SURGES  
∞ SURFACES  
  TIDAL WAVES  
  TIDE POWERED GENERATORS  
  TIDE POWERED MACHINES  
  TIDEPower  
  TIDES  
  TOPEX  
  WATERWAVE ENERGY CONVERSION  
  WATERWAVE POWERED MACHINES

### OCEAN TEMPERATURE

GS OCEANOGRAPHIC PARAMETERS  
  . OCEAN TEMPERATURE  
  . . SEA SURFACE TEMPERATURE  
  TEMPERATURE  
  . WATER TEMPERATURE  
  . . OCEAN TEMPERATURE  
  . . . SEA SURFACE TEMPERATURE  
RT EL NINO  
  OCEANOGRAPHY  
  OCEANS  
  OFFSHORE ENERGY SOURCES  
  SEA STATES  
  SEA TRUTH  
  SEA WATER  
  SEAS  
  SOLAR SEA POWER PLANTS  
  SURFACE TEMPERATURE  
  TEMPERATURE DISTRIBUTION  
  TEMPERATURE GRADIENTS  
  THERMAL POLLUTION

### OCEAN THERMAL ENERGY CONVERSION

GS ENERGY CONVERSION  
  . OCEAN THERMAL ENERGY  
  CONVERSION  
RT ∞ CONVERSION  
  ∞ ENERGY SOURCES  
  GEOTHERMAL ENERGY CONVERSION  
  GEOTHERMAL TECHNOLOGY  
  SOLAR SEA POWER PLANTS  
  TEMPERATURE

### OCEANOGRAPHIC PARAMETERS

GS OCEANOGRAPHIC PARAMETERS  
  . OCEAN TEMPERATURE  
  . . SEA SURFACE TEMPERATURE  
RT ATMOSPHERIC & OCEANOGRAPHIC  
  INFORM SYS  
  COASTAL ZONE COLOR SCANNER  
  INTEGRATED GLOBAL OCEAN STATION  
  SYSTEMS  
  METEOROLOGICAL PARAMETERS  
  OCEAN COLOR SCANNER  
  OCEAN DATA ACQUISITIONS SYSTEMS  
  OCEAN SURFACE  
  SALINITY  
  SEA STATES

### OCEANOGRAPHY

RT ARTIFICIAL HARBORS  
  ATMOSPHERIC & OCEANOGRAPHIC  
  INFORM SYS  
  BATHYMETERS  
  BAY ICE  
  BREAKWATERS  
  COASTAL CURRENTS  
  COASTAL ZONE COLOR SCANNER  
  CORE SAMPLING  
  DEEP SCATTERING LAYERS  
  DEEP WATER  
  DEEPWATER TERMINALS  
  EARTH & OCEAN PHYSICS  
  APPLICATIONS PROGRAM  
  EARTH PLANETARY STRUCTURE  
  EARTH RESOURCES  
  ENVIRONMENTAL MONITORING  
  EROS (SATELLITES)  
  ESTUARIES  
  FIORDS  
  FRONTAL WAVES  
  GARP ATLANTIC TROPICAL EXPERIMENT  
  GEOGRAPHY

### OCEANOGRAPHY-(CONT.)

GEOLOGY  
GEOPHYSICS  
GYRES  
HARBORS  
HYDROCLIMATOLOGY  
HYDROGRAPHY  
HYDROLOGY  
ICE FLOES  
ICE MAPPING  
ISTHMUSES  
LANDSAT SATELLITES  
MARINE BIOLOGY  
MARINE ENVIRONMENTS  
MARINE METEOROLOGY  
MARINE RESOURCES  
MARINE TECHNOLOGY  
MARSHLANDS  
METEOROLOGY  
OCEAN BOTTOM  
OCEAN COLOR SCANNER  
OCEAN CURRENTS  
OCEAN DYNAMICS  
OCEAN MODELS  
OCEAN SURFACE  
OCEAN TEMPERATURE  
OCEANS  
OFFSHORE DOCKING  
OFFSHORE PLATFORMS  
OIL SLICKS  
PELAGIC ZONE  
∞ PHYSICAL SCIENCES  
  RED TIDE  
  REEFS  
  SARGASSO SEA  
∞ SCIENCE  
  SEA GRASSES  
  SEA ICE  
  SEA LEVEL  
  SEA ROUGHNESS  
  SEA STATES  
  SEA SURFACE TEMPERATURE  
  SEA WATER  
  SEAS  
  SEASAT PROGRAM  
  SEASAT SATELLITES  
  SEASAT 1  
  SEASAT-B SATELLITE  
  SEAWEEDS  
  SHALLOW WATER  
  SHIPYARDS  
  SHOALS  
  SHORELINES  
  STORM SURGES  
  TANKER TERMINALS  
  THERMOCLINES  
  TIDAL WAVES  
  TIDE POWERED GENERATORS  
  TIDEPower  
  TIDES  
  TOPEX  
  TOPOGRAPHY  
  UNDERWATER RESEARCH  
  LABORATORIES  
  UNDERWATER RESOURCES  
  WATER CIRCULATION  
  WATER CURRENTS  
  WATERFOWL  
  WATERWAVE ENERGY  
  WATERWAVE ENERGY CONVERSION  
  WETLANDS

### OCEANS

GS OCEANS  
  . ANTARCTIC OCEAN  
  . ARCTIC OCEAN  
  . ATLANTIC OCEAN  
  . INDIAN OCEAN  
  . PACIFIC OCEAN  
RT COASTAL CURRENTS  
  COASTAL WATER  
  COASTS  
  DEEP WATER  
  EARTH HYDROSPHERE  
  GEOGRAPHY  
  KEYS (ISLANDS)  
  MARINE RESOURCES  
  NEARSHORE WATER  
  OCEAN CURRENTS  
  OCEAN TEMPERATURE  
  OCEANOGRAPHY  
  SEAS  
  SEAWEEDS  
  SHALLOW WATER  
  SHOALS  
  SHORELINES

**OCEANS-(CONT.)**

SOUNDS (TOPOGRAPHIC FEATURES)  
THERMAL POLLUTION  
TIDAL FLATS  
TIDE POWERED GENERATORS  
WATER COLOR  
WATER DEPTH  
WATER RESOURCES  
WATERWAVE ENERGY CONVERSION

**OCTAHEDRAL RESEARCH SATELLITES**

USE ENVIRONMENTAL RESEARCH  
SATELLITES

**OCTAHEDRITE**

USE ANATASE

**OCTAHEDRONS**

GS GEOMETRY  
. EUCLIDEAN GEOMETRY  
. POLYHEDRONS  
. OCTAHEDRONS

**OCTANE**

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT ANTIKNOCK ADDITIVES  
OCTANES

**OCTANE NUMBER**

RT GASOLINE

**OCTANES**

SN (ACYCLIC HYDROCARBONS)  
GS ORGANIC COMPOUNDS  
. HYDROCARBONS  
. ALIPHATIC HYDROCARBONS  
. ALKANES  
. OCTANES  
RT ANTIKNOCK ADDITIVES  
OCTANE

**OCTAVES**

GS RANGE (EXTREMES)  
. FREQUENCY RANGES  
. OCTAVES  
RT ACOUSTICS  
MUSIC

**OCTETS**

GS VALENCE  
. OCTETS  
RT ATOMIC STRUCTURE  
CHEMICAL BONDS

**OCTOATES**

GS ESTERS  
. OCTOATES

**OCTOL (EXPLOSIVE)**

GS EXPLOSIVES  
. OCTOL (EXPLOSIVE)

**OCTOPUSES**

GS ANIMALS  
. INVERTEBRATES  
. MOLLUSKS  
. CEPHALOPODS  
. OCTOPUSES

**OCULAR CIRCULATION**

GS CIRCULATION  
. BLOOD CIRCULATION  
. OCULAR CIRCULATION

**OCULOGRAVIC ILLUSIONS**

GS PSYCHOLOGICAL EFFECTS  
. ILLUSIONS  
. OCULOGRAVIC ILLUSIONS  
RT GRAVIRECEPTORS  
OTOLITH ORGANS  
VERTICAL PERCEPTION

**OCULOMETERS**

GS MEASURING INSTRUMENTS  
. OPTICAL MEASURING INSTRUMENTS  
. OCULOMETERS  
OPTICAL EQUIPMENT  
. OPTICAL MEASURING INSTRUMENTS  
. OCULOMETERS  
RT EYE MOVEMENTS  
INSTRUMENTS  
OPTICAL TRACKING

**OCULOMOTOR NERVES**

GS ANATOMY  
. NERVOUS SYSTEM  
. NERVES  
. OCULOMOTOR NERVES  
. SENSE ORGANS  
. EYE (ANATOMY)  
. OCULOMOTOR NERVES  
RT VISION

**ODAS**

USE OCEAN DATA ACQUISITIONS SYSTEMS

**ODD-EVEN NUCLEI**

GS PARTICLES  
. CHARGED PARTICLES  
. ENERGETIC PARTICLES  
. NUCLEI (NUCLEAR PHYSICS)  
. ODD-EVEN NUCLEI  
RT EVEN-EVEN NUCLEI  
ODD-ODD NUCLEI

**ODD-ODD NUCLEI**

GS PARTICLES  
. CHARGED PARTICLES  
. ENERGETIC PARTICLES  
. NUCLEI (NUCLEAR PHYSICS)  
. ODD-ODD NUCLEI  
RT EVEN-EVEN NUCLEI  
NUCLEAR STRUCTURE  
NUCLEI  
ODD-EVEN NUCLEI

**ODESSA METEORITE**

GS CELESTIAL BODIES  
. METEORITES  
. IRON METEORITES  
. ODESSA METEORITE

**ODORS**

RT AIR POLLUTION  
COMBUSTION PRODUCTS  
EXHAUST GASES  
GASES

**OFF-ON CONTROL**

UF BANG-BANG CONTROL  
GS AUTOMATIC CONTROL  
. OFF-ON CONTROL  
RT CONTROL  
CONTROL EQUIPMENT  
CONTROL THEORY  
PROPORTIONAL CONTROL  
SERVOCONTROL  
SOLENOID VALVES

**OFFGASSING**

RT DEGASSING  
VACUUM  
VACUUM EFFECTS

**OFFICE AUTOMATION**

RT AUTOMATION  
MAN MACHINE SYSTEMS  
WORD PROCESSING

**OFFICE OF SPACE & TERRESTRIAL APPLIC**

**PAYLOADS**

USE OSTA-1 PAYLOAD  
OSTA-2 PAYLOAD  
OSTA-3 PAYLOAD

**OFFSHORE DOCKING**

RT ARTIFICIAL HARBORS  
CARGO SHIPS  
DEEPWATER TERMINALS  
MARINE TECHNOLOGY  
MARINE TRANSPORTATION  
OCEANOGRAPHY  
SHIP TERMINALS  
TANKER SHIPS  
TANKER TERMINALS  
TANKERS  
TERMINAL FACILITIES  
TRANSPORTATION

**OFFSHORE ENERGY SOURCES**

RT CRUDE OIL  
DEEPWATER TERMINALS  
DRILLING  
ENERGY TECHNOLOGY  
MARINE TECHNOLOGY  
OCEAN TEMPERATURE  
OIL EXPLORATION

**OFFSHORE ENERGY SOURCES-(CONT.)**

OIL FIELDS  
SEA BREEZE  
SEEPAGE

**OFFSHORE PLATFORMS**

RT ARTIFICIAL HARBORS  
CARGO SHIPS  
DEEPWATER TERMINALS  
MARINE TECHNOLOGY  
OCEANOGRAPHY  
PLATFORMS  
TANKER SHIPS  
TANKER TERMINALS  
TANKERS  
TERMINAL FACILITIES  
TRANSPORTATION

**OFFSHORE REACTOR SITES**

GS SITES  
. OFFSHORE REACTOR SITES  
RT REACTOR DESIGN  
REACTOR SAFETY  
REACTOR TECHNOLOGY  
REMOTE REGIONS

**OFT**

USE SPACE TRANSPORTATION SYSTEM  
FLIGHTS

**OFT 1**

USE SPACE TRANSPORTATION SYSTEM 1  
FLIGHT

**OFT 2**

USE SPACE TRANSPORTATION SYSTEM 2  
FLIGHT

**OFT 3**

USE SPACE TRANSPORTATION SYSTEM 3  
FLIGHT

**OFT 4**

USE SPACE TRANSPORTATION SYSTEM 4  
FLIGHT

**OGEE SHAPE**

GS SHAPES  
. OGEE SHAPE  
RT VARIABLE SWEEP WINGS

**OGEE WINGS**

USE VARIABLE SWEEP WINGS

**OGIVES**

RT BODIES OF REVOLUTION  
ELLIPSOIDS  
FAIRINGS  
NOSE CONES  
SPHERES  
STREAMLINED BODIES  
SYMMETRICAL BODIES

**OGO**

UF ORBITING GEOPHYSICAL OBSERVATORY  
GS ARTIFICIAL SATELLITES  
. GEOPHYSICAL SATELLITES  
. OGO  
. EGO  
. OGO-A  
. OGO-3  
. OGO-5  
. POGO  
. OGO-C  
. OGO-4  
. OGO-6  
OBSERVATORIES  
. GEOPHYSICAL OBSERVATORIES  
. OGO  
. EGO  
. OGO-A  
. OGO-3  
. OGO-5  
. POGO  
. OGO-C  
. OGO-4  
. OGO-6  
RT GAMMA RAY OBSERVATORY

**OGO-A**

UF S-49 SATELLITE  
GS ARTIFICIAL SATELLITES  
. GEOPHYSICAL SATELLITES  
. OGO

## OGO-B

### OGO-A-(CONT.)

... OGO-A  
OBSERVATORIES  
GEOGRAPHICAL OBSERVATORIES  
... OGO  
... OGO-A  
ATLAS AGENA LAUNCH VEHICLES

OGO-B  
USE OGO-3

OGO-C  
UF S-50 SATELLITE  
GS ARTIFICIAL SATELLITES  
GEOGRAPHICAL SATELLITES  
... OGO  
... POGO  
... OGO-C  
OBSERVATORIES  
GEOGRAPHICAL OBSERVATORIES  
... OGO  
... POGO  
... OGO-C

OGO-D  
USE OGO-4

OGO-E  
USE OGO-5

OGO-F  
USE OGO-6

OGO-3  
UF OGO-B  
GS ARTIFICIAL SATELLITES  
GEOGRAPHICAL SATELLITES  
... OGO  
... OGO-3  
OBSERVATORIES  
GEOGRAPHICAL OBSERVATORIES  
... OGO  
... OGO-3  
THOR AGENA LAUNCH VEHICLE

OGO-4  
UF OGO-D  
GS ARTIFICIAL SATELLITES  
GEOGRAPHICAL SATELLITES  
... OGO  
... POGO  
... OGO-4  
OBSERVATORIES  
GEOGRAPHICAL OBSERVATORIES  
... OGO  
... POGO  
... OGO-4  
GEODESY

OGO-5  
UF OGO-E  
GS ARTIFICIAL SATELLITES  
GEOGRAPHICAL SATELLITES  
... OGO  
... OGO-5  
OBSERVATORIES  
GEOGRAPHICAL OBSERVATORIES  
... OGO  
... OGO-5  
GEODESY

OGO-6  
UF OGO-F  
GS ARTIFICIAL SATELLITES  
GEOGRAPHICAL SATELLITES  
... OGO  
... POGO  
... OGO-6  
OBSERVATORIES  
GEOGRAPHICAL OBSERVATORIES  
... OGO  
... POGO  
... OGO-6

### OH-4 HELICOPTER

UF HO-4 HELICOPTER  
GS BELL AIRCRAFT  
OH-4 HELICOPTER  
LIGHT AIRCRAFT  
OH-4 HELICOPTER  
OBSERVATION AIRCRAFT  
OH-4 HELICOPTER  
V/STOL AIRCRAFT  
ROTARY WING AIRCRAFT

### OH-4 HELICOPTER-(CONT.)

... HELICOPTERS  
... MILITARY HELICOPTERS  
... OH-4 HELICOPTER

### OH-5 HELICOPTER

UF FH-1100 HELICOPTER  
HO-5 HELICOPTER  
FAIRCHILD-HILLER AIRCRAFT  
OH-5 HELICOPTER  
HILLER AIRCRAFT  
OH-5 HELICOPTER  
LIGHT AIRCRAFT  
OH-5 HELICOPTER  
OBSERVATION AIRCRAFT  
OH-5 HELICOPTER  
PASSENGER AIRCRAFT  
OH-5 HELICOPTER  
V/STOL AIRCRAFT  
ROTARY WING AIRCRAFT  
... HELICOPTERS  
... MILITARY HELICOPTERS  
... OH-5 HELICOPTER  
RT RIGID ROTOR HELICOPTERS

### OH-6 HELICOPTER

UF HO-6 HELICOPTER  
LOH HELICOPTER  
GS HUGHES AIRCRAFT  
OH-6 HELICOPTER  
LIGHT AIRCRAFT  
OH-6 HELICOPTER  
OBSERVATION AIRCRAFT  
OH-6 HELICOPTER  
V/STOL AIRCRAFT  
ROTARY WING AIRCRAFT  
... HELICOPTERS  
... MILITARY HELICOPTERS  
... OH-6 HELICOPTER

### OH-13 HELICOPTER

UF H-13 HELICOPTER  
SIOUX HELICOPTER  
UH-13 HELICOPTER  
GS BELL AIRCRAFT  
OH-13 HELICOPTER  
LIGHT AIRCRAFT  
OH-13 HELICOPTER  
UTILITY AIRCRAFT  
OH-13 HELICOPTER  
V/STOL AIRCRAFT  
ROTARY WING AIRCRAFT  
... HELICOPTERS  
... MILITARY HELICOPTERS  
... OH-13 HELICOPTER

### OH-23 HELICOPTER

UF H-23 HELICOPTER  
RAVEN HELICOPTER  
UH-12 HELICOPTER  
GS FAIRCHILD-HILLER AIRCRAFT  
OH-23 HELICOPTER  
LIGHT AIRCRAFT  
OH-23 HELICOPTER  
UTILITY AIRCRAFT  
OH-23 HELICOPTER  
V/STOL AIRCRAFT  
ROTARY WING AIRCRAFT  
... HELICOPTERS  
... MILITARY HELICOPTERS  
... OH-23 HELICOPTER

### OH-58 HELICOPTER

GS LIGHT AIRCRAFT  
OH-58 HELICOPTER  
V/STOL AIRCRAFT  
ROTARY WING AIRCRAFT  
... HELICOPTERS  
... MILITARY HELICOPTERS  
... OH-58 HELICOPTER

### OHIO

GS NATIONS  
UNITED STATES  
OHIO  
RT OHIO RIVER (US)  
WABASH RIVER BASIN (IL-IN-OH)

### OHIO RIVER (US)

GS RIVERS  
OHIO RIVER (US)  
RT ILLINOIS  
INDIANA  
KENTUCKY  
OHIO

### OHIO RIVER (US)-(CONT.)

PENNSYLVANIA  
WEST VIRGINIA

### OHMIC DISSIPATION

UF JOULE HEATING  
GS DISSIPATION  
OHMIC DISSIPATION  
RT JOULE-THOMSON EFFECT  
LEVITATION MELTING  
LOSSES

### OHMMETERS

GS MEASURING INSTRUMENTS  
OHMMETERS  
RT ELECTRICAL CONDUCTIVITY METERS  
ELECTRICAL IMPEDANCE  
ELECTRICAL MEASUREMENT  
ELECTRICAL RESISTANCE  
RESISTANCE THERMOMETERS  
TRANSCONDUCTANCE  
WHEATSTONE BRIDGES

### OHMS LAW

GS CIRCUITS  
OHMS LAW  
LAWS  
OHMS LAW  
RT CONDUCTIVITY  
ELECTRIC CURRENT  
ELECTRICAL RESISTANCE  
ELECTRICITY  
ELECTROMOTIVE FORCES  
TRANSCONDUCTANCE  
VOLT-AMPERE CHARACTERISTICS

### OHZORA SATELLITE

USE EXOS-C SATELLITE

### OIL ADDITIVES

GS ADDITIVES  
OIL ADDITIVES

### OIL EXPLORATION

GS EXPLORATION  
OIL EXPLORATION  
RT CRUDE OIL  
DRILLING  
ENERGY POLICY  
GEOLOGY  
NATURAL GAS EXPLORATION  
OFFSHORE ENERGY SOURCES  
TAR SANDS  
UNDERWATER RESOURCES

### OIL FIELDS

GS RESOURCES  
EARTH RESOURCES  
OIL FIELDS  
RT CRUDE OIL  
DRILLING  
METHANE  
NATURAL GAS  
OFFSHORE ENERGY SOURCES  
OILS  
TAR SANDS

### OIL POLLUTION

GS POLLUTION  
ENVIRONMENT POLLUTION  
WATER POLLUTION  
OIL POLLUTION  
RT COASTAL ECOLOGY  
WETLANDS

### OIL RECOVERY

RT ENERGY TECHNOLOGY  
RECLAMATION  
RECOVERY  
REUSE

### OIL SLICKS

UF SLICKS  
RT DUMPING  
ENVIRONMENT POLLUTION  
OCEANOGRAPHY  
POLLUTION  
SPILLING  
WATER POLLUTION

### OILS

GS OILS  
CASTOR OIL  
CRUDE OIL

# OPACIFIERS

## OILS-(CONT.)

. FUEL OILS  
. LUBRICATING OILS  
. MINERAL OILS  
. SHALE OIL  
RT ENERGY POLICY  
FATS  
FUELS  
GREASES  
HYDRAULIC FLUIDS  
KEROGEN  
LIPID METABOLISM  
LUBRICANTS  
OIL FIELDS  
PETROLEUM PRODUCTS  
PITCH (MATERIAL)  
RETORT PROCESSING  
TAR SANDS

## OKHANSK METEORITE

GS CELESTIAL BODIES  
. METEORITES  
. OKHANSK METEORITE  
RT IRON METEORITES  
STONY METEORITES

## OKLAHOMA

GS NATIONS  
. UNITED STATES  
. OKLAHOMA  
RT LAKE TEXOMA (OK-TX)

## OLEFINS

USE ALKENES

## OLEIC ACID

GS ACIDS  
. CARBOXYLIC ACIDS  
. FATTY ACIDS  
. OLEIC ACID  
ORGANIC COMPOUNDS  
. CARBOXYLIC ACIDS  
. FATTY ACIDS  
. OLEIC ACID

## OLFACTORY PERCEPTION

UF SMELL  
GS PERCEPTION  
. SENSORY PERCEPTION  
. OLFACTORY PERCEPTION  
RT CHEMORECEPTORS  
SENSE ORGANS

## OLIVINE

GS MINERALS  
. OLIVINE  
. FORSTERITE  
RT DUNITE  
IGNEOUS ROCKS  
MONTICELLITE  
PERIDOTITE  
REGOLITH  
ROCKS  
SOILS

## OMAN

GS NATIONS  
. OMAN

## OME

USE ORBIT MANEUVERING ENGINE (SPACE SHUTTLE)

## OMEGA NAVIGATION SYSTEM

GS MEASURING INSTRUMENTS  
. OMEGA NAVIGATION SYSTEM  
NAVIGATION  
. OMEGA NAVIGATION SYSTEM  
RT AIR NAVIGATION  
∞ SYSTEMS

## OMEGA-MESONS

GS PARTICLES  
. ELEMENTARY PARTICLES  
. FERMIONS  
. BARYONS  
. OMEGA-MESONS  
. HADRONS  
. BARYONS  
. OMEGA-MESONS  
. MESONS  
. OMEGA-MESONS  
RT CHARGED PARTICLES  
ETA-MESONS

## OMEGATRONS

GS PARTICLE ACCELERATORS  
. CYCLOTRONS  
. OMEGATRONS

## OMICRON CETI STAR

UF MIRA CETI STAR  
GS CELESTIAL BODIES  
. STARS  
. GIANT STARS  
. OMICRON CETI STAR  
. LATE STARS  
. COOL STARS  
. MIRA VARIABLES  
. OMICRON CETI STAR  
. VARIABLE STARS  
. MIRA VARIABLES  
. OMICRON CETI STAR

## OMNIDIRECTIONAL ANTENNAS

GS ANTENNAS  
. OMNIDIRECTIONAL ANTENNAS  
. MONOPOLE ANTENNAS  
. WHIP ANTENNAS  
. TURNSTILE ANTENNAS  
RT DIPOLE ANTENNAS  
DIRECTIONAL ANTENNAS  
MICROWAVE ANTENNAS  
RADIO ANTENNAS

## OMNIDIRECTIONAL RADIO RANGES

GS NAVIGATION AIDS  
. BEACONS  
. RADIO BEACONS  
. OMNIDIRECTIONAL RADIO RANGES  
. SELF CALIBRATING OMNIRANGE  
RADIO EQUIPMENT  
. RADIO TRANSMITTERS  
. RADIO BEACONS  
. OMNIDIRECTIONAL RADIO RANGES  
. SELF CALIBRATING OMNIRANGE  
TRANSMITTERS  
. RADIO TRANSMITTERS  
. RADIO BEACONS  
. OMNIDIRECTIONAL RADIO RANGES  
. SELF CALIBRATING OMNIRANGE  
RT DISTANCE MEASURING EQUIPMENT  
RADIO NAVIGATION  
SOLAR COMPASSES

## OMNIPOL HC-3 HELICOPTER

USE HC-3 HELICOPTER

## OMNIPOL L-29 AIRCRAFT

USE L-29 JET TRAINER

## OMNIPOL Z-37 AIRCRAFT

USE Z-37 AIRCRAFT

## OMNIRANGE NAVIGATION

USE VHF OMNIRANGE NAVIGATION

## ON-LINE PROGRAMMING

GS SOFTWARE ENGINEERING  
. COMPUTER PROGRAMMING  
. ON-LINE PROGRAMMING

## ON-LINE SYSTEMS

RT COMPUTER PROGRAMS  
COMPUTER TECHNIQUES  
DATA MANAGEMENT  
DATA PROCESSING  
INFORMATION RETRIEVAL  
INFORMATION SYSTEMS  
INTEGRATED LIBRARY SYSTEMS  
NUMERICAL DATA BASES  
∞ SYSTEMS

## ONBOARD COMPUTERS

USE AIRBORNE/SPACEBORNE COMPUTERS

## ONBOARD DATA PROCESSING

GS DATA PROCESSING  
. ONBOARD DATA PROCESSING  
RT AIRBORNE/SPACEBORNE COMPUTERS  
∞ DATA  
FLIGHT MANAGEMENT SYSTEMS  
IMAGE PROCESSING  
MICROPROCESSORS  
REAL TIME OPERATION  
SIGNAL PROCESSING

## ONBOARD EQUIPMENT

GS ONBOARD EQUIPMENT

## ONBOARD EQUIPMENT-(CONT.)

. AIRBORNE EQUIPMENT  
. AIRBORNE/SPACEBORNE  
COMPUTERS  
. LIGHT AIRBORNE MULTIPURPOSE  
SYSTEM  
. TERCOM  
. AIRBORNE LASERS  
. AIRCRAFT EQUIPMENT  
. BOMBING EQUIPMENT  
. EJECTION SEATS  
. FLYING EJECTION SEATS  
. TERCOM  
. SPACECRAFT EQUIPMENT  
. SPACECRAFT ELECTRONIC  
EQUIPMENT  
RT AIRBORNE SURVEILLANCE RADAR  
∞ AIRCRAFT  
BUBBLE TECHNIQUE  
CREW PROCEDURES (PREFLIGHT)  
∞ EQUIPMENT  
FLIGHT INSTRUMENTS  
FLIGHT OPERATIONS  
FLIGHT SAFETY  
HEATING EQUIPMENT  
LIFE SUPPORT SYSTEMS  
LIGHTING EQUIPMENT  
RADAR EQUIPMENT  
RADIO EQUIPMENT  
SPACECRAFT INSTRUMENTS  
STOWAGE (ONBOARD EQUIPMENT)  
SURVIVAL EQUIPMENT  
TELECOMMUNICATION  
∞ TEST EQUIPMENT  
TRAINING DEVICES

## ONE DIMENSIONAL FLOW

GS FLUID FLOW  
. ONE DIMENSIONAL FLOW  
RT ANNULAR FLOW  
AXIAL FLOW  
CORE FLOW  
FLOW GEOMETRY  
HUGONIOT EQUATION OF STATE  
THREE DIMENSIONAL FLOW  
TWO DIMENSIONAL FLOW

## ONE-PHASE FLOW

USE SINGLE-PHASE FLOW

## ONISOTROPY

USE ANISOTROPY

## ONSAGER PHENOMENOLOGICAL COEFFICIENT

GS COEFFICIENTS  
. ONSAGER PHENOMENOLOGICAL  
COEFFICIENT  
RT FLUX DENSITY  
PLASMAS (PHYSICS)  
STATISTICAL MECHANICS  
VARIATIONAL PRINCIPLES

## ONSAGER RELATIONSHIP

RT ∞ EQUILIBRIUM  
IRREVERSIBLE PROCESSES  
THERMODYNAMICS

## ONTARIO

GS NATIONS  
. CANADA  
. ONTARIO

## ONTOGENESIS

USE ONTOGENY

## ONTOGENY

UF ONTOGENESIS  
RT BIOGENY  
EVOLUTION (DEVELOPMENT)  
GROWTH  
NEUROPHYSIOLOGY

## OOCYTES

USE GAMETOCYTES

## OORT CLOUD

RT ∞ CLOUDS  
COMET NUCLEI  
COMETS  
NEMESIS (STAR)  
SOLAR SYSTEM

## OPACIFIERS

GS ADDITIVES

## OPACITY

### OPACIFIERS-(CONT.)

RT ∞ AGENTS  
FILLERS

### OPACITY

GS ELECTROMAGNETIC PROPERTIES  
OPTICAL PROPERTIES  
OPACITY  
RT ABSORPTANCE  
ABSORPTIVITY  
ACOUSTICS  
ATMOSPHERIC OPTICS  
ATTENUATION COEFFICIENTS  
CLARITY  
DENSITY (MASS/VOLUME)  
ELECTROMAGNETIC ABSORPTION  
HAZE  
KRAMERS-KRONIG FORMULA  
LIGHT (VISIBLE RADIATION)  
LIGHT TRANSMISSION  
REFRACTIVITY  
TRANSLUCENCE  
TRANSMISSION EFFICIENCY  
TRANSMISSIVITY  
TRANSPARENCE  
TURBIDITY  
UNDERWATER OPTICS  
VISIBILITY

### OPALESCEENCE

RT IRIDESCENCE  
OPTICAL PROPERTIES

### OPEN CHANNEL FLOW

GS FLUID FLOW  
CHANNEL FLOW  
OPEN CHANNEL FLOW  
LIQUID FLOW  
OPEN CHANNEL FLOW  
RT LAMINAR FLOW  
MEANDERS  
PIPE FLOW  
TURBULENT FLOW  
WATER FLOW

### OPEN CIRCUIT VOLTAGE

GS POTENTIAL ENERGY  
ELECTRIC POTENTIAL  
OPEN CIRCUIT VOLTAGE  
RT BIAS  
CAPACITANCE  
ELECTRICAL PROPERTIES  
ELECTRICAL RESISTIVITY  
ELECTROMOTIVE FORCES  
ENERGY CONVERSION EFFICIENCY  
OVERVOLTAGE  
∞ POTENTIAL  
POWER GAIN  
SHORT CIRCUIT CURRENTS  
SOLAR CELLS  
STATIC ELECTRICITY  
VOLT-AMPERE CHARACTERISTICS

### OPEN CLUSTERS

GS CELESTIAL BODIES  
STAR CLUSTERS  
OPEN CLUSTERS  
PLEIADES CLUSTER  
PRAESEPE STAR CLUSTERS

### OPEN PROJECT

UF ORIGIN OF PLASMAS IN EARTH  
NEIGHBORHOOD  
GS PROGRAMS  
NASA PROGRAMS  
NASA SPACE PROGRAMS  
OPEN PROJECT  
PROJECTS  
OPEN PROJECT  
SPACE PROGRAMS  
NASA SPACE PROGRAMS  
OPEN PROJECT  
RT EARTH ATMOSPHERE  
EARTH MAGNETOSPHERE  
PLASMA DIAGNOSTICS  
PLASMA PHYSICS  
PLASMASPHERE  
SATELLITE-BORNE INSTRUMENTS  
SPACE PLASMAS

### OPENINGS

UF CUT-OUTS  
GS OPENINGS  
APERTURES

### OPENINGS-(CONT.)

IRISES (MECHANICAL APERTURES)  
SYNTHETIC APERTURES  
PORTS (OPENINGS)  
SLITS  
RT ANNULAR DUCTS  
CAVITIES  
CRACKS  
CURTAINS  
DOORS  
DUCT GEOMETRY  
DUCTS  
EGRESS  
EXHAUST NOZZLES  
EXHAUST SYSTEMS  
GAPS  
GATES (OPENINGS)  
INGRESS (SPACECRAFT PASSAGEWAY)  
INLET NOZZLES  
INTAKE SYSTEMS  
ORIFICES  
OUTLETS  
PASSAGEWAYS  
PERFORATED PLATES  
PIPE NOZZLES  
SLOTS  
VENTS  
WINDOWS (APERTURES)

### OPERATING COSTS

GS COSTS  
OPERATING COSTS  
RT AIRLINE OPERATIONS  
ECONOMIC ANALYSIS  
ENERGY POLICY  
FUELS  
MAINTENANCE  
PRODUCTION COSTS  
SYSTEMS ANALYSIS

### OPERATING SYSTEMS (COMPUTERS)

UF EXECUTIVE SYSTEMS (COMPUTERS)  
GS COMPUTER PROGRAMS  
COMPUTER SYSTEMS PROGRAMS  
OPERATING SYSTEMS (COMPUTERS)  
RT ASSEMBLER ROUTINES  
COMPILERS  
COMPUTER INFORMATION SECURITY  
COMPUTER SYSTEMS DESIGN  
INPUT/OUTPUT ROUTINES  
MIMD (COMPUTERS)  
∞ ROUTINES  
SIMD (COMPUTERS)  
∞ SYSTEMS

### OPERATING TEMPERATURE

GS TEMPERATURE  
OPERATING TEMPERATURE  
RT AMBIENT TEMPERATURE  
COMBUSTION TEMPERATURE  
HIGH TEMPERATURE  
SUPERCONDUCTORS  
ROOM TEMPERATURE  
WALL TEMPERATURE

### OPERATIONAL AMPLIFIERS

GS AMPLIFIERS  
OPERATIONAL AMPLIFIERS  
RT AMPLIFIER DESIGN  
ANALOG CIRCUITS  
ANALOG COMPUTERS  
DIFFERENTIAL AMPLIFIERS  
FEEDBACK AMPLIFIERS  
LINEAR INTEGRATED CIRCUITS  
TRANSISTOR AMPLIFIERS

### OPERATIONAL CALCULUS

RT ∞ APPLICATIONS OF MATHEMATICS  
CALCULUS  
CALCULUS OF VARIATIONS  
DIFFERENTIAL EQUATIONS  
FOURIER ANALYSIS  
INTEGRAL CALCULUS  
LINEAR EQUATIONS

### OPERATIONAL HAZARDS

GS HAZARDS  
OPERATIONAL HAZARDS  
RT AIR PIRACY  
AIRCRAFT HAZARDS  
CUMULATIVE DAMAGE  
FLIGHT HAZARDS  
METEOROID HAZARDS  
NOISE (SOUND)  
OCCUPATIONAL DISEASES

### OPERATIONAL HAZARDS-(CONT.) RADIATION HAZARDS

### OPERATIONAL PROBLEMS

RT AIRLINE OPERATIONS  
∞ OPERATIONS  
PROBLEMS  
SYSTEMS ENGINEERING

### ∞ OPERATIONS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT AIR DROP OPERATIONS  
AIR TRAFFIC CONTROL  
AIRLINE OPERATIONS  
CHEMICAL ENGINEERING  
CHEMICAL REACTIONS  
CLINICAL MEDICINE  
DEPLOYMENT  
FISHBOWL OPERATION  
LOADING OPERATIONS  
MECHANIZATION  
MISSION PLANNING  
OPERATIONAL PROBLEMS  
OPERATIONS RESEARCH  
ORIFICES  
PREFLIGHT OPERATIONS  
PREMATURE OPERATION  
PRODUCTION ENGINEERING  
PROGRAMS  
PROJECTS  
RESCUE OPERATIONS  
RUNNING  
SEQUENCING  
STRATEGY  
SURGERY  
SYSTEMS ENGINEERING

### OPERATIONS RESEARCH

GS OPTIMIZATION  
OPERATIONS RESEARCH  
RT ∞ APPLICATIONS OF MATHEMATICS  
COMPUTER SYSTEMS SIMULATION  
COMPUTERIZED SIMULATION  
CONSTRAINTS  
CONTROL SYSTEMS DESIGN  
CRITICAL PATH METHOD  
DECISION THEORY  
DELPHI METHOD (FORECASTING)  
DYNAMIC PROGRAMMING  
EXPERIMENT DESIGN  
FORECASTING  
FUNCTIONS (MATHEMATICS)  
GAME THEORY  
INFORMATION THEORY  
LAGRANGE MULTIPLIERS  
LINEAR PREDICTION  
LINEAR PROGRAMMING  
MANAGEMENT  
MANAGEMENT METHODS  
MANAGEMENT PLANNING  
MATHEMATICAL MODELS  
MATHEMATICAL PROGRAMMING  
MATRIX MANAGEMENT  
MINIMA  
MINIMAX TECHNIQUE  
MISSION PLANNING  
NONLINEAR PROGRAMMING  
∞ OPERATIONS  
∞ PATHS  
PATTERN METHOD (FORECASTING)  
PROBABILITY THEORY  
PROBE METHOD (FORECASTING)  
PROFILE METHOD (FORECASTING)  
PROJECT PLANNING  
QUALITY CONTROL  
QUEUEING THEORY  
RAND PROJECT  
RAYLEIGH DISTRIBUTION  
RESEARCH AND DEVELOPMENT  
RESEARCH MANAGEMENT  
RISK  
SADDLE POINTS (GAME THEORY)  
SEQUENCING  
SIMULATION  
STATISTICAL ANALYSIS  
STOCHASTIC PROCESSES  
STRATEGY  
∞ SYNTHESIS  
SYNTHESIS (CHEMISTRY)  
SYSTEMS ANALYSIS  
SYSTEMS ENGINEERING  
SYSTEMS MANAGEMENT  
SYSTEMS SIMULATION

## OPTICAL EQUIPMENT

### OPERATIONS RESEARCH-(CONT.)

TRAVELING SALESMAN PROBLEM  
URBAN DEVELOPMENT  
WAR GAMES

### OPERATOR PERFORMANCE

GS HUMAN PERFORMANCE  
RT OPERATOR PERFORMANCE  
ASTRONAUT PERFORMANCE  
COMPUTER SYSTEMS PERFORMANCE  
MENTAL PERFORMANCE  
∞ PERFORMANCE  
PILOT PERFORMANCE  
PSYCHOMOTOR PERFORMANCE

### ∞ OPERATORS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT OPERATORS (MATHEMATICS)  
OPERATORS (PERSONNEL)  
REACTOR CORES

### OPERATORS (MATHEMATICS)

UF DIFFERENTIAL OPERATORS  
FREDHOLM OPERATORS  
GS OPERATORS (MATHEMATICS)  
BERGMAN OPERATOR  
LINEAR OPERATORS  
RT FUNCTIONS (MATHEMATICS)  
INTEGRAL TRANSFORMATIONS  
LAPLACE TRANSFORMATION  
MATRIX THEORY  
∞ OPERATORS  
PERTURBATION THEORY  
S MATRIX THEORY

### OPERATORS (PERSONNEL)

GS PERSONNEL  
OPERATORS (PERSONNEL)  
PILOTS (PERSONNEL)  
AIRCRAFT PILOTS  
TEST PILOTS  
RT ∞ OPERATORS

### OPHIUCHI CLOUDS

RT CLOUD PHYSICS  
∞ CLOUDS  
INTERSTELLAR GAS  
INTERSTELLAR MATTER  
NEBULAE

### OPHTHALMODYNAMOMETRY

RT BLOOD PRESSURE  
EYE (ANATOMY)  
VISION

### OPHTHALMOLOGY

GS MEDICAL SCIENCE  
OPHTHALMOLOGY  
RT ELECTRONYSTAGMOGRAPHY  
EYE (ANATOMY)  
EYE DISEASES  
EYE EXAMINATIONS  
MIOSIS  
VESTIBULAR NYSTAGMUS

### OPIK THEORY

RT NEBULAE  
ORION CONSTELLATION  
ORION NEBULA  
SUPERNOVAE  
∞ THEORIES

### OPTICAL ABSORPTION

USE ELECTROMAGNETIC ABSORPTION  
LIGHT TRANSMISSION

### OPTICAL ACTIVITY

RT BIOCHEMISTRY  
CARBOHYDRATES  
∞ OPTICS  
ORGANIC CHEMISTRY  
POLARIMETRY  
POLARIZED LIGHT  
STEREOCHEMISTRY

### OPTICAL AMPLIFIERS

USE LIGHT AMPLIFIERS

### OPTICAL BISTABILITY

GS ELECTROMAGNETIC PROPERTIES  
OPTICAL PROPERTIES  
OPTICAL BISTABILITY

### OPTICAL BISTABILITY-(CONT.)

RT HYSTERESIS  
INTEGRATED OPTICS  
LIGHT TRANSMISSION  
NONLINEAR OPTICS  
OPTICAL DATA STORAGE MATERIALS  
OPTICAL EQUIPMENT  
OPTICAL MEASURING INSTRUMENTS  
OPTICAL MEMORY (DATA STORAGE)  
OPTICAL SWITCHING  
OPTICAL WAVEGUIDES  
SWITCHING CIRCUITS

### OPTICAL COMMUNICATION

UF LASER COMMUNICATION  
LIGHT COMMUNICATION  
OPTICAL SIGNALS  
GS TELECOMMUNICATION  
COMMUNICATION  
RT DYE LASERS  
GROUND-AIR-GROUND COMMUNICATION  
HIGH POWER LASERS  
INTERPLANETARY COMMUNICATION  
LASERS  
LUNAR COMMUNICATION  
OPTICAL FIBERS  
∞ OPTICS  
SATELLITE COMMUNICATION  
SPACE COMMUNICATION  
SPACECRAFT COMMUNICATION  
TUNABLE LASERS  
VISUAL SIGNALS  
WIRELESS COMMUNICATION

### OPTICAL COMPUTERS

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
RT OPTICAL COMPUTERS  
COHERENT LIGHT  
COMPUTER DESIGN  
ELECTRO-OPTICS  
OPTICAL EQUIPMENT  
OPTICAL MEMORY (DATA STORAGE)

### OPTICAL CORRECTION PROCEDURE

GS CORRECTION  
OPTICAL CORRECTION PROCEDURE  
PROCEDURES  
RT OPTICAL CORRECTION PROCEDURE  
ADAPTIVE OPTICS  
ADJUSTING  
ERRORS  
INSTRUMENT ERRORS  
LENS DESIGN  
∞ OPTICS  
PHOTOGRAPHIC MEASUREMENT  
PHOTOGRAPHS  
POSITION ERRORS  
SELF FOCUSING

### OPTICAL COUNTERMEASURES

GS COUNTERMEASURES  
OPTICAL COUNTERMEASURES  
RT AIR DEFENSE  
ANTIMISSILE DEFENSE  
DECEPTION  
ELECTRONIC COUNTERMEASURES  
MILITARY TECHNOLOGY  
MISSILE DEFENSE  
OPTICAL RADAR  
∞ OPTICS  
SPACE SURVEILLANCE (SPACEBORNE)

### OPTICAL COUPLING

GS COUPLING  
OPTICAL COUPLING  
RT COUPLES  
CROSS COUPLING  
CROSS POLARIZATION  
LASER MODE LOCKING  
LIGHT TRANSMISSION  
MICROWAVE COUPLING  
∞ OPTICS  
PHASE LOCKED SYSTEMS  
POLARIZATION (WAVES)

### OPTICAL DATA PROCESSING

GS DATA PROCESSING  
OPTICAL DATA PROCESSING  
SCENE ANALYSIS  
RT CHARACTER RECOGNITION  
∞ DATA  
DATA ACQUISITION  
DATA PROCESSING EQUIPMENT

### OPTICAL DATA PROCESSING-(CONT.)

GRAY SCALE  
IMAGE PROCESSING  
LASERS  
LIGHT VALVES  
OPTICAL DISKS  
OPTICAL RELAY SYSTEMS  
∞ OPTICS  
PHOTONICS  
∞ PROCESSING  
READERS  
SCANNERS  
TOMOGRAPHY

### OPTICAL DATA STORAGE MATERIALS

RT ∞ DATA  
DATA RECORDING  
DATA STORAGE  
LASER APPLICATIONS  
OPTICAL BISTABILITY  
OPTICAL MEMORY (DATA STORAGE)  
∞ OPTICS  
PHOTOGRAPHIC FILM  
VIDEO DISKS

### OPTICAL DENSITY

RT ∞ DENSITY  
MICRODENSITOMETERS  
∞ OPTICS  
TRANSLUCENCE  
TRANSMITTANCE  
TRANSPARENCE  
TURBIDITY  
UNDERWATER OPTICS

### OPTICAL DEPOLARIZATION

RT LIGHT (VISIBLE RADIATION)  
∞ OPTICS  
POLARIZED LIGHT

### OPTICAL DEPTH

USE OPTICAL THICKNESS

### OPTICAL DISKS

GS COMPUTER STORAGE DEVICES  
OPTICAL DISKS  
RT DATA STORAGE  
LASER APPLICATIONS  
OPTICAL DATA PROCESSING  
OPTICAL EQUIPMENT  
OPTICAL MEMORY (DATA STORAGE)  
VIDEO DISKS

### OPTICAL EMISSION

USE LIGHT EMISSION

### OPTICAL EMISSION SPECTROSCOPY

GS SPECTROSCOPY  
OPTICAL EMISSION SPECTROSCOPY  
LASER SPECTROSCOPY  
RT AURORAL SPECTROSCOPY  
ELECTRON SPECTROSCOPY  
EMISSION SPECTRA  
LIGHT (VISIBLE RADIATION)  
∞ OPTICS

### OPTICAL EQUIPMENT

GS OPTICAL EQUIPMENT  
BINOCULARS  
CAMERAS  
BAKER-NUNN CAMERA  
BALLISTIC CAMERAS  
DELFT CAMERA  
DIFFRACTION LIMITED CAMERAS  
FAINT OBJECT CAMERA  
HIGH SPEED CAMERAS  
FRAMING CAMERAS  
I2S CAMERAS  
LALLEMAND CAMERAS  
MULTISPECTRAL BAND CAMERAS  
PANORAMIC CAMERAS  
PINHOLE CAMERAS  
SCHMIDT CAMERAS  
STREAK CAMERAS  
TELEVISION CAMERAS  
COLLIMATORS  
ENDOSCOPES  
EYEPIECES  
HELIOMETERS  
PYROHELIOMETERS  
IMAGE CONVERTERS  
CELESTROSCOPES  
IMAGE TUBES  
THERMICONS  
LASER DOPPLER VELOCIMETERS

## OPTICAL FIBERS

### OPTICAL EQUIPMENT-(CONT.)

- .. OPTICAL GYROSCOPES
- .. OPTICAL MEASURING INSTRUMENTS
- .. CATHETOMETERS
- .. DIFFRACTOMETERS
- .. EBERT SPECTROMETERS
- .. ELLIPSOMETERS
- .. ETALONS
- .. GEODIMETERS
- .. HAPLOSOPES
- .. INFRARED SPECTROMETERS
- .. FILTER WHEEL INFRARED SPECTROMETERS
- .. LIGHT SCATTERING METERS
- .. MICRODENSITOMETERS
- .. NEPHELOMETERS
- .. OCULOMETERS
- .. OPTICAL PYROMETERS
- .. OPTICAL RANGE FINDERS
- .. LASER RANGE FINDERS
- .. PHOTO GONIOMETERS
- .. PHOTOMETERS
- .. ELECTROPHOTOMETERS
- .. ULTRAVIOLET SPECTROMETERS
- .. ULTRAVIOLET SPECTROPHOTOMETERS
- .. POLARIMETERS
- .. REFLECTOMETERS
- .. MICROWAVE REFLECTOMETERS
- .. REFRACTOMETERS
- .. SEXTANTS
- .. SPECTROPHOTOMETERS
- .. INFRARED SPECTROPHOTOMETERS
- .. ULTRAVIOLET SPECTROPHOTOMETERS
- .. TRANSITS
- .. THEODOLITES
- .. CINETHODOLITES
- .. TRANSMISSOMETERS
- .. OPTICAL MICROSCOPES
- .. OPTICAL RADAR
- .. OPTICAL SCANNERS
- .. FLYING SPOT SCANNERS
- .. MULTISPECTRAL BAND SCANNERS
- .. THEMATIC MAPPERS (LANDSAT)
- .. PERISCOPIES
- .. PHOTOGRAPHIC RECTIFIERS
- .. POLARISCOPIES
- .. SENARMONT POLARISCOPIES
- .. PRISMS
- .. PRISMATIC BARS
- .. SCATTER PLATES (OPTICS)
- .. SPECTROHELIOGRAPHS
- .. STROBOSCOPES
- .. WIDE ANGLE LENSES
- .. ABSORPTION SPECTROSCOPY
- .. ACOUSTIC MICROSCOPES
- .. CIRCUMSOLAR TELESCOPES
- .. DENSITOMETERS
- .. FABRY-PEROT SPECTROMETERS
- .. GEOMETRICAL OPTICS
- .. HORIZON SCANNERS
- .. INFRARED INTERFEROMETERS
- .. INFRARED SCANNERS
- .. INTERFEROMETERS
- .. LENSES
- .. LOOK ANGLES (ELECTRONICS)
- .. MACH-ZEHNDER INTERFEROMETERS
- .. MICROCHANNELS
- .. MICROSCOPES
- .. MIRRORS
- .. MONOCHROMATORS
- .. OPTICAL BISTABILITY
- .. OPTICAL COMPUTERS
- .. OPTICAL DISKS
- .. OPTICS
- .. OPTOGALVANIC SPECTROSCOPY
- .. PHOTOGRAPHIC EQUIPMENT
- .. RADIO TELESCOPES
- .. REFLECTING TELESCOPES
- .. REFRACTING TELESCOPES
- .. RETICLES
- .. SCANNER PROJECT
- .. SCANNERS
- .. SPECTROMETERS
- .. TELESCOPES
- .. TRIPODS
- .. VIDEO EQUIPMENT

### OPTICAL FIBERS

- GS FIBERS
- .. OPTICAL FIBERS
- .. TRANSMISSION LINES
- .. COMMUNICATION CABLES
- .. WAVEGUIDES
- .. OPTICAL WAVEGUIDES

### OPTICAL FIBERS-(CONT.)

- RT FIBER OPTICS
- .. GLASS FIBERS
- .. OPTICAL COMMUNICATION

### OPTICAL FILTERS

- GS ELECTROMAGNETIC WAVE FILTERS
- .. OPTICAL FILTERS
- .. BIREFRINGENT FILTERS
- .. INFRARED FILTERS
- .. ULTRAVIOLET FILTERS
- RT ADAPTIVE FILTERS
- .. BANDPASS FILTERS
- .. BANDSTOP FILTERS
- .. DIAPHRAGMS (MECHANICS)
- .. DIDYMIUM
- .. ELECTRIC FILTERS
- .. FILTERGRAMS
- .. FILTERS
- .. GRATINGS
- .. GRATINGS (SPECTRA)
- .. HIGH PASS FILTERS
- .. LENSES
- .. LOW PASS FILTERS
- .. OPTICAL RELAY SYSTEMS
- .. OPTICS
- .. PHOTOGRAPHIC EQUIPMENT
- .. PHOTOGRAPHIC FILM
- .. ROWLAND CIRCLES
- .. SUNGLASSES
- .. TRANSMISSION

### OPTICAL GENERATORS

- USE LASER CAVITIES

### OPTICAL GYROSCOPES

- GS GYROSCOPES
- .. OPTICAL GYROSCOPES
- .. OPTICAL EQUIPMENT
- .. OPTICAL GYROSCOPES
- RT LASER GYROSCOPES
- .. OPTICS
- .. SAGNAC EFFECT

### OPTICAL HETERODYNYING

- GS HETERODYNYING
- .. OPTICAL HETERODYNYING
- RT DOPPLER EFFECT
- .. LIGHT MODULATION
- .. OPTICS

### OPTICAL ILLUSION

- GS PSYCHOLOGICAL EFFECTS
- .. ILLUSIONS
- .. OPTICAL ILLUSION
- .. ELEVATOR ILLUSION
- RT MOON ILLUSION
- .. OPTICS

### OPTICAL IMAGES

- USE IMAGES

### OPTICAL MASER MODULATION

- USE LIGHT MODULATION

### OPTICAL MASERS

- USE LASERS

### OPTICAL MEASUREMENT

- SN (MEASUREMENTS OF OPTICAL PROPERTIES, QUANTITIES OR CONDITIONS)
- GS OPTICAL MEASUREMENT
- .. COLORIMETRY
- .. OPTOMETRY
- .. PHOTOMETRY
- .. ASTRONOMICAL PHOTOMETRY
- .. STELLAR SPECTROPHOTOMETRY
- .. ELECTROPHOTOMETRY
- .. INFRARED PHOTOMETRY
- .. SPECTROPHOTOMETRY
- .. STELLAR SPECTROPHOTOMETRY
- .. TELEPHOTOMETRY
- .. ULTRAVIOLET PHOTOMETRY
- .. VISUAL PHOTOMETRY
- .. POLARIMETRY
- RT CHEMICAL ANALYSIS
- .. COLLIMATORS
- .. DENSITOMETERS
- .. DIFFRACTOMETERS
- .. ELECTRO-OPTICAL PHOTOGRAPHY
- .. EMISSIVITY
- .. ETALONS

### OPTICAL MEASUREMENT-(CONT.)

- FARADAY EFFECT
- GAMMA RAY SPECTROMETERS
- GEODIMETERS
- GEOMETRICAL OPTICS
- GRAZING INCIDENCE
- INFRARED INTERFEROMETERS
- INTERFEROMETERS
- LIGHT (VISIBLE RADIATION)
- .. MEASUREMENT
- .. MICRODENSITOMETERS
- .. MODULATION TRANSFER FUNCTION
- .. NEPHELOMETERS
- .. OPTICS
- .. PHASE CONTRAST
- .. PHOTOGRAPHIC MEASUREMENT
- .. PHOTOMETERS
- .. POLARIMETERS
- .. RAY TRACING
- .. REFLECTANCE
- .. REFLECTOMETERS
- .. REFRACTOMETERS
- .. RONCHI TEST
- .. SPECTRAL SIGNATURES
- .. SPECTROMETERS
- .. SPECTROPHOTOMETERS
- .. STROBOSCOPES

### OPTICAL MEASURING INSTRUMENTS

- SN (INSTRUMENTS UTILIZING OPTICAL PRINCIPLES FOR MEASUREMENT)
- UF OPTICAL SENSORS
- GS MEASURING INSTRUMENTS
- .. OPTICAL MEASURING INSTRUMENTS
- .. CATHETOMETERS
- .. DIFFRACTOMETERS
- .. EBERT SPECTROMETERS
- .. ELLIPSOMETERS
- .. ETALONS
- .. GEODIMETERS
- .. HAPLOSOPES
- .. INFRARED SPECTROMETERS
- .. FILTER WHEEL INFRARED SPECTROMETERS
- .. LIGHT SCATTERING METERS
- .. MICRODENSITOMETERS
- .. NEPHELOMETERS
- .. OCULOMETERS
- .. OPTICAL PYROMETERS
- .. OPTICAL RANGE FINDERS
- .. LASER RANGE FINDERS
- .. PHOTO GONIOMETERS
- .. PHOTOMETERS
- .. ELECTROPHOTOMETERS
- .. ULTRAVIOLET SPECTROMETERS
- .. ULTRAVIOLET SPECTROPHOTOMETERS
- .. POLARIMETERS
- .. REFLECTOMETERS
- .. MICROWAVE REFLECTOMETERS
- .. REFRACTOMETERS
- .. SEXTANTS
- .. SPECTROPHOTOMETERS
- .. INFRARED SPECTROPHOTOMETERS
- .. ULTRAVIOLET SPECTROPHOTOMETERS
- .. TRANSITS
- .. THEODOLITES
- .. CINETHODOLITES
- .. TRANSMISSOMETERS
- .. OPTICAL EQUIPMENT
- .. OPTICAL MEASURING INSTRUMENTS
- .. CATHETOMETERS
- .. DIFFRACTOMETERS
- .. EBERT SPECTROMETERS
- .. ELLIPSOMETERS
- .. ETALONS
- .. GEODIMETERS
- .. HAPLOSOPES
- .. INFRARED SPECTROMETERS
- .. FILTER WHEEL INFRARED SPECTROMETERS
- .. LIGHT SCATTERING METERS
- .. MICRODENSITOMETERS
- .. NEPHELOMETERS
- .. OCULOMETERS
- .. OPTICAL PYROMETERS
- .. OPTICAL RANGE FINDERS
- .. LASER RANGE FINDERS
- .. PHOTO GONIOMETERS
- .. PHOTOMETERS
- .. ELECTROPHOTOMETERS
- .. ULTRAVIOLET SPECTROMETERS
- .. ULTRAVIOLET SPECTROPHOTOMETERS
- .. POLARIMETERS

## OPTICAL RESONANCE

### OPTICAL MEASURING INSTRUMENTS-(CONT.)

- .. REFLECTOMETERS
- .. MICROWAVE REFLECTOMETERS
- .. REFRACTOMETERS
- .. SEXTANTS
- .. SPECTROPHOTOMETERS
- .. INFRARED SPECTROPHOTOMETERS
- .. ULTRAVIOLET SPECTROPHOTOMETERS
- .. TRANSITS
- .. THEODOLITES
- .. CINETHODOLITES
- .. TRANSMISSOMETERS
- RT ABSORPTION SPECTROSCOPY
- CINESPECTROGRAPHS
- COLORIMETRY
- DENSITOMETERS
- FABRY-PEROT SPECTROMETERS
- FAINT OBJECT CAMERA
- GONIOMETERS
- GUIDANCE SENSORS
- INFRARED INTERFEROMETERS
- INTERFEROMETERS
- LASER DOPPLER VELOCIMETERS
- MACH-ZEHNDER INTERFEROMETERS
- MICROSCOPES
- MIROS SYSTEM
- MONOCHROMATORS
- MULTISPECTRAL TRACKING
- TELESCOPES
- OPTICAL BISTABILITY
- ∞ OPTICS
- OPTOGALVANIC SPECTROSCOPY
- PERISCOPES
- POLARIMETRY
- POLARISCOPES
- RADIATION MEASURING INSTRUMENTS
- REFLECTING TELESCOPES
- REFRACTING TELESCOPES
- SELF FOCUSING
- SENARMONT POLARISCOPES
- SOLAR INSTRUMENTS
- TELEPHOTOMETRY
- TELESCOPES

### OPTICAL MEMORY (DATA STORAGE)

- RT COHERENT LIGHT
- COMPUTER STORAGE DEVICES
- ∞ DATA
- HOLOGRAPHY
- LASERS
- OPTICAL BISTABILITY
- OPTICAL COMPUTERS
- OPTICAL DATA STORAGE MATERIALS
- OPTICAL DISKS
- ∞ OPTICS
- VIDEO DISKS

### OPTICAL METHODS

USE OPTICS

### OPTICAL MICROSCOPES

- GS MICROSCOPES
- .. OPTICAL MICROSCOPES
- OPTICAL EQUIPMENT
- .. OPTICAL MICROSCOPES
- RT ELECTRON MICROSCOPES
- ∞ OPTICS

### OPTICAL MODULATION

USE LIGHT MODULATION

### OPTICAL PATHS

- RT DIFFRACTION PATHS
- GEOMETRICAL OPTICS
- MULTIPATH TRANSMISSION
- ∞ OPTICS
- ∞ PATHS
- PHASE CONTRAST
- PHOTON BEAMS
- SAGNAC EFFECT
- UNDERWATER OPTICS
- VOIGT EFFECT
- WAVE DISPERSION

### OPTICAL POLARIZATION

- RT CIRCULAR POLARIZATION
- LINEAR POLARIZATION
- ∞ OPTICS
- POLARIZED LIGHT
- POLARIZERS
- POLAROGRAPHY

### OPTICAL PROPERTIES

- SN (INCLUDES PROPERTIES AND EFFECTS OF VISIBLE, INFRARED AND ULTRAVIOLET ELECTROMAGNETIC WAVES)
- GS ELECTROMAGNETIC PROPERTIES
- .. OPTICAL PROPERTIES
- .. ABSORPTANCE
- .. ABSORPTIVITY
- .. BIREFRINGENCE
- .. KERR ELECTROOPTICAL EFFECT
- .. BRIGHTNESS
- .. BRIGHTNESS DISTRIBUTION
- .. COLOR
- .. IRIDESCENCE
- .. WATER COLOR
- .. DICHROISM
- .. LUMINOSITY
- .. STELLAR LUMINOSITY
- .. OPACITY
- .. OPTICAL BISTABILITY
- .. OPTICAL REFLECTION
- .. PHOSPHORESCENCE
- .. PHOTOCONDUCTIVITY
- .. PHOTOVISCOELASTICITY
- .. RADIANCE
- .. REFLECTANCE
- .. BIDIRECTIONAL REFLECTANCE
- .. SPECTRAL REFLECTANCE
- .. REFRACTIVITY
- .. SKY BRIGHTNESS
- .. STIGMATISM
- .. TRANSLUCENCE
- .. TRANSMISSIVITY
- .. TRANSMITTANCE
- .. TRANSPARENCE
- .. TURBIDITY
- RT ACOUSTO-OPTICS
- ALBEDO
- BIREFRINGENT FILTERS
- CLARITY
- COEFFICIENTS
- COHERENT RADIATION
- CROSS POLARIZATION
- DARKNESS
- DIFFRACTION
- ELECTRICAL PROPERTIES
- ELECTROMAGNETIC ABSORPTION
- EMITTANCE
- EXCITONS
- FARADAY EFFECT
- GEOMETRICAL OPTICS
- GLARE
- GLASS
- GRADIENT INDEX OPTICS
- HAZE
- INFRARED ABSORPTION
- ISOTROPY
- KERR MAGNETOOPTICAL EFFECT
- LIGHT (VISIBLE RADIATION)
- LIGHT TRANSMISSION
- LUMENS
- LUMINANCE
- LUNAR ALBEDO
- METALLIC GLASSES
- OPAESCENCE
- ∞ OPTICS
- ∞ ORIENTATION
- ∞ PHOTOELECTRICITY
- PHOTONS
- PHOTOTROPISM
- PHYSICAL OPTICS
- ∞ PHYSICAL PROPERTIES
- POLARIZATION (WAVES)
- ∞ PROPERTIES
- ∞ SOLID STATE PHYSICS
- SURFACE PROPERTIES
- THERMOCHROMATIC MATERIALS
- THERMODYNAMIC PROPERTIES
- VISIBILITY
- WAVE DISPERSION

### OPTICAL PUMPING

- GS OPTICAL PUMPING
- .. LASER PUMPING
- RT ELECTRON PUMPING
- ELECTRON-HOLE DROPS
- EXCIMER LASERS
- GAMMA RAY LASERS
- GLASS LASERS
- HON LASERS
- KRYPTON FLUORIDE LASERS
- LASER PROPULSION
- LASERS
- METAL VAPOR LASERS
- NEODYMIUM LASERS

### OPTICAL PUMPING-(CONT.)

- NUCLEAR PUMPED LASERS
- NUCLEAR PUMPING
- ∞ OPTICS
- PULSE REPETITION RATE
- ∞ PUMPING
- RARE GAS-HALIDE LASERS
- SOLAR-PUMPED LASERS
- STIMULATED EMISSION
- STIMULATED EMISSION DEVICES

### OPTICAL PYROMETERS

- GS MEASURING INSTRUMENTS
- .. OPTICAL MEASURING INSTRUMENTS
- .. OPTICAL PYROMETERS
- .. TEMPERATURE MEASURING INSTRUMENTS
- .. OPTICAL PYROMETERS
- OPTICAL EQUIPMENT
- .. OPTICAL MEASURING INSTRUMENTS
- .. OPTICAL PYROMETERS
- RT ∞ OPTICS
- RADIATION PYROMETERS

### OPTICAL RADAR

- UF LASER RADAR
- LIDAR
- GS OPTICAL EQUIPMENT
- .. OPTICAL RADAR
- RADAR
- .. OPTICAL RADAR
- RT LASER ALTIMETERS
- OPTICAL COUNTERMEASURES
- ∞ OPTICS
- OVER-THE-HORIZON RADAR
- RADAR DETECTION

### OPTICAL RANGE FINDERS

- GS MEASURING INSTRUMENTS
- .. DISTANCE MEASURING EQUIPMENT
- .. RANGE FINDERS
- .. OPTICAL RANGE FINDERS
- .. LASER RANGE FINDERS
- .. OPTICAL MEASURING INSTRUMENTS
- .. OPTICAL RANGE FINDERS
- .. LASER RANGE FINDERS
- OPTICAL EQUIPMENT
- .. OPTICAL MEASURING INSTRUMENTS
- .. OPTICAL RANGE FINDERS
- .. LASER RANGE FINDERS
- RT LUNAR RANGEFINDING
- ∞ OPTICS

### OPTICAL REFLECTION

- GS ELECTROMAGNETIC PROPERTIES
- .. OPTICAL PROPERTIES
- .. OPTICAL REFLECTION
- REFLECTION
- .. OPTICAL REFLECTION
- RT ANTIREFLECTION COATINGS
- ELECTROMAGNETIC ABSORPTION
- GEOMETRICAL OPTICS
- INCIDENT RADIATION
- INFRARED REFLECTION
- LIGHT TRANSMISSION
- ∞ OPTICS
- REFLECTANCE
- REFLECTED WAVES
- SPREAD REFLECTION

### OPTICAL RELAY SYSTEMS

- RT ELECTRO-OPTICS
- IMAGING TECHNIQUES
- LASER APPLICATIONS
- OPTICAL DATA PROCESSING
- OPTICAL FILTERS
- OPTICAL RESONATORS
- OPTICAL SWITCHING
- ∞ OPTICS
- PATTERN RECOGNITION
- ∞ SYSTEMS

### OPTICAL RESONANCE

- GS EMISSION
- .. LIGHT EMISSION
- .. LUMINESCENCE
- .. OPTICAL RESONANCE
- RESONANCE
- .. OPTICAL RESONANCE
- RT NUCLEAR PUMPED LASERS
- ∞ OPTICS
- PLASMA RADIATION
- PLASMA SPECTRA
- RESONANCE LINES
- SPECTRUM ANALYSIS



## OPTICAL RESONATORS

### OPTICAL RESONATORS

- GS RESONATORS
- RT
  - . OPTICAL RESONATORS
  - FIELD MODE THEORY
  - LASER MODES
  - LASER OUTPUTS
  - LASERS
  - LIGHT MODULATION
  - MIRRORS
  - OPTICAL RELAY SYSTEMS
- ∞ OPTICS

### OPTICAL SATELLITE TRACKING PROGRAM

- RT ∞ OPTICS
- SATELLITE TRACKING

### OPTICAL SCANNERS

- GS OPTICAL EQUIPMENT
- . OPTICAL SCANNERS
- . . FLYING SPOT SCANNERS
- . . MULTISPECTRAL BAND SCANNERS
- . . THEMATIC MAPPERS (LANDSAT)
- SCANNERS
- . OPTICAL SCANNERS
- . . FLYING SPOT SCANNERS
- . . MULTISPECTRAL BAND SCANNERS
- . . THEMATIC MAPPERS (LANDSAT)
- RT CHARACTER RECOGNITION
- DATA ACQUISITION
- MONITORS
- ∞ OPTICS
- PHOTON BEAMS
- READERS
- TELEVISION CAMERAS

### OPTICAL SENSORS

- USE OPTICAL MEASURING INSTRUMENTS

### OPTICAL SIGNALS

- USE OPTICAL COMMUNICATION

### OPTICAL SLANT RANGE

- GS DISTANCE
- . OPTICAL SLANT RANGE
- RT ∞ OPTICS
- RADAR RANGE

### OPTICAL SPECTRUM

- USE LIGHT (VISIBLE RADIATION)
- SPECTRA

### OPTICAL SWITCHING

- UF ELECTRO-OPTICAL SWITCHING
- OPTOELECTRONIC SWITCHING
- PHOTONIC SWITCHING
- GS SWITCHING
- . OPTICAL SWITCHING
- RT ACOUSTO-OPTICS
- ELECTRO-OPTICS
- INTEGRATED OPTICS
- LIGHT MODULATION
- MAGNETO-OPTICS
- OPTICAL BISTABILITY
- OPTICAL RELAY SYSTEMS
- OPTOELECTRONIC DEVICES
- PHOTONICS
- SEMICONDUCTOR LASERS
- SWITCHING CIRCUITS

### OPTICAL THICKNESS

- UF OPTICAL DEPTH
- RT ANTIREFLECTION COATINGS
- FERMAT PRINCIPLE
- ∞ OPTICS
- REFRACTIVITY
- THICKNESS

### OPTICAL TRACKING

- UF VISUAL TRACKING
- GS TRACKING (POSITION)
- . OPTICAL TRACKING
- RT BALLISTIC CAMERAS
- BORESIGHT ERROR
- BORESIGHTS
- COMPENSATORY TRACKING
- GLOBAL TRACKING NETWORK
- INFRARED TRACKING
- MINITRACK SYSTEM
- MULTISPECTRAL TRACKING
- TELESCOPES
- OCULOMETERS
- ∞ OPTICS
- PHOTOGRAPHIC TRACKING
- RANGE AND RANGE RATE TRACKING

## OPTICAL TRACKING-(CONT.)

- SPACE DETECTION AND TRACKING
- SYSTEM
- SPACECRAFT TRACKING
- STON (NETWORK)

### OPTICAL TRANSFER FUNCTION

- UF OTF
- GS FUNCTIONS (MATHEMATICS)
- . TRANSFER FUNCTIONS
- . . OPTICAL TRANSFER FUNCTION
- RT ADAPTIVE OPTICS
- COST ANALYSIS
- FIGURE OF MERIT
- IMAGING TECHNIQUES
- MODULATION TRANSFER FUNCTION
- ∞ OPTICS
- ∞ PERFORMANCE
- SPACEBORNE TELESCOPES
- SYSTEM EFFECTIVENESS
- SYSTEMS ANALYSIS
- SYSTEMS ENGINEERING
- TELESCOPES

### OPTICAL TRANSITION

- RT ELECTRON TRANSITIONS
- EMISSION SPECTRA
- FRANCK-CONDON PRINCIPLE
- LASING
- LUMINESCENCE
- ∞ OPTICS

### OPTICAL WAVEGUIDES

- GS TRANSMISSION LINES
- . COMMUNICATION CABLES
- . . WAVEGUIDES
- . . . OPTICAL WAVEGUIDES
- . . . . OPTICAL FIBERS
- RT INTEGRATED OPTICS
- LASER OUTPUTS
- LIGHT BEAMS
- LIGHT TRANSMISSION
- OPTICAL BISTABILITY
- ∞ OPTICS
- PHOTONICS
- WAVEGUIDE LASERS

## ∞ OPTICS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*

- UF OPTICAL METHODS
- RT ACOUSTO-OPTICS
- ADAPTIVE OPTICS
- ANGULAR RESOLUTION
- ASPHERICITY
- ASTIGMATISM
- ATMOSPHERIC OPTICS
- CASSEGRAIN OPTICS
- CAUSTICS (OPTICS)
- CRYSTAL OPTICS
- DEFOCUSING
- DIFFRACTION PATTERNS
- DIFFRACTION PROPAGATION
- ELECTRO-OPTICAL EFFECT
- ELECTRO-OPTICAL PHOTOGRAPHY
- ELECTRO-OPTICS
- ELECTRON OPTICS
- FIBER OPTICS
- FOCI
- FRESNEL LENSES
- GEOMETRICAL OPTICS
- GRADIENT INDEX OPTICS
- HUYGENS PRINCIPLE
- IMAGES
- IMAGING TECHNIQUES
- INTEGRATED OPTICS
- LASER CAVITIES
- LASERS
- LENS DESIGN
- LENSES
- LIGHT (VISIBLE RADIATION)
- LIGHT AMPLIFIERS
- LIGHT EMISSION
- LIGHT MODULATION
- MAGNETO-OPTICS
- MIRRORS
- NONLINEAR OPTICS
- OPTICAL ACTIVITY
- OPTICAL COMMUNICATION
- OPTICAL CORRECTION PROCEDURE
- OPTICAL COUNTERMEASURES
- OPTICAL COUPLING
- OPTICAL DATA PROCESSING
- OPTICAL DATA STORAGE MATERIALS

## OPTICS-(CONT.)

- OPTICAL DENSITY
- OPTICAL DEPOLARIZATION
- OPTICAL EMISSION SPECTROSCOPY
- OPTICAL EQUIPMENT
- OPTICAL FILTERS
- OPTICAL GYROSCOPES
- OPTICAL HETERODYNING
- OPTICAL ILLUSION
- OPTICAL MEASUREMENT
- OPTICAL MEASURING INSTRUMENTS
- OPTICAL MEMORY (DATA STORAGE)
- OPTICAL MICROSCOPES
- OPTICAL PATHS
- OPTICAL POLARIZATION
- OPTICAL PROPERTIES
- OPTICAL PUMPING
- OPTICAL PYROMETERS
- OPTICAL RADAR
- OPTICAL RANGE FINDERS
- OPTICAL REFLECTION
- OPTICAL RELAY SYSTEMS
- OPTICAL RESONANCE
- OPTICAL RESONATORS
- OPTICAL SATELLITE TRACKING
- PROGRAM
- OPTICAL SCANNERS
- OPTICAL SLANT RANGE
- OPTICAL THICKNESS
- OPTICAL TRACKING
- OPTICAL TRANSFER FUNCTION
- OPTICAL TRANSITION
- OPTICAL WAVEGUIDES
- PARALLAX
- PHOTICS
- PHOTOELASTIC ANALYSIS
- PHYSICAL OPTICS
- PREFOCUSING
- QUANTUM OPTICS
- REFLECTION
- RESOLUTION
- SCATTER PLATES (OPTICS)
- ∞ SCIENCE
- SNELLS LAW
- SPECTROSCOPY
- SQUEEZED STATES (QUANTUM THEORY)
- STARLAB
- UNDERWATER OPTICS

### OPTIMAL CONTROL

- UF OPTIMUM CONTROL
- GS AUTOMATIC CONTROL
- . OPTIMAL CONTROL
- . . LINEAR QUADRATIC REGULATOR
- . . . LINEAR QUADRATIC GAUSSIAN
- CONTROL
- . . TIME OPTIMAL CONTROL
- OPTIMIZATION
- . OPTIMAL CONTROL
- . . LINEAR QUADRATIC REGULATOR
- . . . LINEAR QUADRATIC GAUSSIAN
- CONTROL
- . . TIME OPTIMAL CONTROL
- ADAPTIVE CONTROL
- RT ∞ CONTROL
- CONTROL SYSTEMS DESIGN
- CONTROL THEORY
- FEEDBACK CONTROL
- FEEDFORWARD CONTROL
- INVENTORY CONTROLS
- KALMAN-SCHMIDT FILTERING
- MODEL REFERENCE ADAPTIVE
- CONTROL
- PARAMETER IDENTIFICATION
- TRACKING PROBLEM
- TRAJECTORY CONTROL

### OPTIMIZATION

- UF MINIMIZATION
- GS REDUCTION (MATHEMATICS)
- . OPTIMIZATION
- . . FLIGHT OPTIMIZATION
- . . MATHEMATICAL PROGRAMMING
- . . DYNAMIC PROGRAMMING
- . . LINEAR PROGRAMMING
- . . NONLINEAR PROGRAMMING
- . . QUADRATIC PROGRAMMING
- . . OPERATIONS RESEARCH
- . . OPTIMAL CONTROL
- . . . LINEAR QUADRATIC REGULATOR
- . . . LINEAR QUADRATIC GAUSSIAN
- CONTROL
- . . TIME OPTIMAL CONTROL
- . . SIMPLEX METHOD
- . . TRAJECTORY OPTIMIZATION

## ORBITAL MECHANICS

### OPTIMIZATION-(CONT.)

RT  $\infty$  APPLICATIONS OF MATHEMATICS  
 BELLMAN THEORY  
 BOLZA PROBLEMS  
 CONSTRAINTS  
 CORRELATION  
 $\infty$  DESIGN  
 DESIGN ANALYSIS  
 DIFFERENTIAL CALCULUS  
 EFFICIENCY  
 EXTREMUM VALUES  
 GRADIENTS  
 HESSIAN MATRICES  
 KALMAN FILTERS  
 KALMAN-SCHMIDT FILTERING  
 LAGRANGE MULTIPLIERS  
 LEAST SQUARES METHOD  
 MAXIMA  
 MINIMA  
 PARAMETER IDENTIFICATION  
 PENALTY FUNCTION  
 PLANNING  
 PONTYAGIN PRINCIPLE  
 QUALITY CONTROL  
 RANGE (EXTREMES)  
 $\infty$  REDUCTION  
 SCHEDULING  
 STATIC MODELS  
 STEEPEST DESCENT METHOD  
 STOPPING  
 SYSTEM IDENTIFICATION  
 TRAJECTORY CONTROL  
 WIENER FILTERING

### OPTIMUM CONTROL

USE OPTIMAL CONTROL

### OPTIMUM THRUST PROGRAMMING

USE THRUST PROGRAMMING

### OPTIONS

RT ALTERNATIVES  
 CONTRACTS  
 SELECTION  
 SITE SELECTION  
 SUBCONTRACTS

### OPTOELECTRONIC DEVICES

GS OPTOELECTRONIC DEVICES  
 . PHOTODIODES  
 . PHOTOTRANSISTORS  
 RT ELECTRO-OPTICS  
 FIBER OPTICS  
 INTEGRATED CIRCUITS  
 INTEGRATED OPTICS  
 OPTICAL SWITCHING  
 PHOTONICS

### OPTOELECTRONIC SWITCHING

USE OPTICAL SWITCHING

### OPTOGALVANIC SPECTROSCOPY

GS SPECTROSCOPY  
 . ABSORPTION SPECTROSCOPY  
 . . OPTOGALVANIC SPECTROSCOPY  
 RT FLAME SPECTROSCOPY  
 FRAUNHOFER LINES  
 GAS SPECTROSCOPY  
 INFRARED SPECTROSCOPY  
 MOLECULAR SPECTROSCOPY  
 OPTICAL EQUIPMENT  
 OPTICAL MEASURING INSTRUMENTS  
 RAMAN SPECTROSCOPY  
 ULTRAVIOLET SPECTROSCOPY  
 VOLT-AMPERE CHARACTERISTICS

### OPTOMETRY

GS OPTICAL MEASUREMENT  
 . OPTOMETRY  
 RT ANASTIGMATISM  
 BLINDNESS  
 EYE (ANATOMY)  
 HAPLOSOPES  
 $\infty$  MEASUREMENT  
 MEDICAL SCIENCE  
 VISION

### OR-GATES

USE GATES (CIRCUITS)

### ORAL HYGIENE

GS HYGIENE  
 . ORAL HYGIENE  
 RT CLEANLINESS

### ORAL HYGIENE-(CONT.)

DENTISTRY  
 HEALTH  
 PUBLIC HEALTH  
 TEETH  
 TOOTH DISEASES

### ORATORY

USE PUBLIC SPEAKING

### ORBIS

UF ORBITING RADIO BEACON IONOSPHERIC  
 SOUNDER  
 GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . ORBIS  
 . . . ORBIS CAL SATELLITE  
 RT IONOSPHERIC PROPAGATION  
 IONOSPHERIC SOUNDING  
 RADIO BEACONS

### ORBIS CAL SATELLITE

GS ARTIFICIAL SATELLITES  
 . GRAVITY GRADIENT SATELLITES  
 . . ORBIS CAL SATELLITE  
 . . SCIENTIFIC SATELLITES  
 . . . ORBIS  
 . . . ORBIS CAL SATELLITE  
 RT IONOSPHERIC PROPAGATION  
 IONOSPHERIC SOUNDING  
 RADIO BEACONS

### ORBIT CALCULATION

UF SATELLITE ORBIT CALCULATION  
 GS COMPUTATION  
 . ORBIT CALCULATION  
 . . MINIMUM VARIANCE ORBIT  
 . . . DETERMINATION  
 RT FLIGHT MECHANICS  
 GODDARD TRAJECTORY  
 DETERMINATION SYSTEM  
 ORBITAL ELEMENTS  
 ORBITAL MECHANICS  
 ORBITAL POSITION ESTIMATION  
 ORBITAL RESONANCES (CELESTIAL  
 MECHANICS)  
 QUADRATURES

### ORBIT DECAY

RT AERODYNAMIC DRAG  
 ATMOSPHERIC ENTRY  
 FLIGHT MECHANICS  
 ORBITAL MECHANICS  
 SATELLITE LIFETIME

### ORBIT EQUATIONS

USE ORBITAL MECHANICS

### ORBIT MANEUVERING ENGINE (SPACE SHUTTLE)

UF OME  
 GS ENGINES  
 . ROCKET ENGINES  
 . . MICROROCKET ENGINES  
 . . . ORBIT MANEUVERING ENGINE  
 . . . (SPACE SHUTTLE)  
 RT AEROMANEUVERING ORBIT TO ORBIT  
 SHUTTLE  
 ORBITAL MANEUVERS  
 SPACE SHUTTLES

### ORBIT PERTURBATION

UF EVECTION  
 GS PERTURBATION  
 . ORBIT PERTURBATION  
 . . SATELLITE PERTURBATION  
 RT DRIFT RATE  
 LONG TERM EFFECTS  
 LUNAR EFFECTS  
 ORBITAL ELEMENTS  
 ORBITAL MECHANICS  
 ORBITAL RESONANCES (CELESTIAL  
 MECHANICS)  
 PERTURBATION THEORY  
 SCHACH EFFECT  
 VINTI THEORY

### ORBIT SPECTRUM UTILIZATION

RT COMMUNICATION SATELLITES  
 FREQUENCY ASSIGNMENT  
 RADIO RELAY SYSTEMS  
 SATELLITE ORBITS  
 SYSTEMS ENGINEERING  
 TELEVISION SYSTEMS

### ORBIT TRANSFER VEHICLES

UF OTV  
 GS ORBIT TRANSFER VEHICLES  
 . AEROMANEUVERING ORBIT TO ORBIT  
 SHUTTLE  
 RT INERTIAL UPPER STAGE  
 ORBITAL MANEUVERING VEHICLES  
 ORBITAL SERVICING  
 PAYLOAD DELIVERY (STS)  
 PAYLOAD DEPLOYMENT & RETRIEVAL  
 SYSTEM  
 PAYLOAD RETRIEVAL (STS)  
 SPACE SHUTTLES  
 SPACE TRANSPORTATION  
 SPACE TUGS  
 $\infty$  SPACECRAFT  
 $\infty$  VEHICLES

### ORBITAL ASSEMBLY

UF CONSTRUCTION IN SPACE  
 SPACECRAFT ORBITAL ASSEMBLY  
 GS ASSEMBLING  
 . ORBITAL ASSEMBLY  
 RT EXPANDABLE STRUCTURES  
 INFLATABLE SPACECRAFT  
 SELF ERECTING DEVICES  
 SPACE ERECTABLE STRUCTURES  
 SPACE OPERATIONS CENTER (NASA)  
 SPACE STATION STRUCTURES  
 SPACECRAFT MODULES  
 SPACECRAFT STRUCTURES

### ORBITAL ELEMENTS

RT  $\infty$  ELEMENTS  
 ORBIT CALCULATION  
 ORBIT PERTURBATION  
 PERTURBATION THEORY  
 SLATER ORBITALS

### ORBITAL FLIGHT TEST 1 (SHUTTLE)

USE SPACE TRANSPORTATION SYSTEM 1  
 FLIGHT

### ORBITAL FLIGHT TEST 2 (SHUTTLE)

USE SPACE TRANSPORTATION SYSTEM 2  
 FLIGHT

### ORBITAL FLIGHT TEST 3 (SHUTTLE)

USE SPACE TRANSPORTATION SYSTEM 3  
 FLIGHT

### ORBITAL FLIGHT TEST 4 (SHUTTLE)

USE SPACE TRANSPORTATION SYSTEM 4  
 FLIGHT

### ORBITAL FLIGHT TESTS (SHUTTLE)

USE SPACE TRANSPORTATION SYSTEM  
 FLIGHTS

### ORBITAL LAUNCHING

SN (LAUNCHING FROM AN  
 ORBIT--EXCLUDES LAUNCHING INTO  
 ORBIT FROM GROUND)  
 GS LAUNCHING  
 . ROCKET LAUNCHING  
 . . ORBITAL LAUNCHING  
 RT INTERPLANETARY TRAJECTORIES  
 LUNAR LAUNCH  
 PAYLOAD DELIVERY (STS)  
 SPACECRAFT LAUNCHING  
 TRANSFER ORBITS

### ORBITAL LIFETIME

RT ATTITUDE CONTROL  
 EARTH ORBITS

### ORBITAL MANEUVERING VEHICLES

RT ORBIT TRANSFER VEHICLES  
 ORBITAL SERVICING  
 POWER MODULES (STS)  
 REMOTELY PILOTED VEHICLES  
 $\infty$  SPACECRAFT

### ORBITAL MANEUVERS

GS MANEUVERS  
 . SPACECRAFT MANEUVERS  
 . . ORBITAL MANEUVERS  
 RT ORBIT MANEUVERING ENGINE (SPACE  
 SHUTTLE)  
 SPACE NAVIGATION  
 SPACE SHUTTLES

### ORBITAL MECHANICS

UF ORBIT EQUATIONS

## ORBITAL MOTION

### ORBITAL MECHANICS-(CONT.)

GS CLASSICAL MECHANICS  
 . SPACE MECHANICS  
 . . . **ORBITAL MECHANICS**  
 . . . KEPLER LAWS  
 . . . MINIMUM VARIANCE ORBIT DETERMINATION  
 RT AEROMANEUVERING ORBIT TO ORBIT SHUTTLE  
 APSIDES  
 ASTRODYNAMICS  
 CELESTIAL MECHANICS  
 CIRCULAR ORBITS  
 DRIFT RATE  
 EARTH ORBITAL RENDEZVOUS  
 EARTH ORBITS  
 EARTH-MARS TRAJECTORIES  
 EARTH-MERCURY TRAJECTORIES  
 EARTH-MOON SYSTEM  
 ELLIPTICAL ORBITS  
 EQUATORIAL ORBITS  
 FLIGHT MECHANICS  
 FLIGHT OPTIMIZATION  
 GODDARD TRAJECTORY DETERMINATION SYSTEM  
 HANSEN LUNAR THEORY  
 HILL LUNAR THEORY  
 HILL METHOD  
 INTERPLANETARY TRAJECTORIES  
 INTERPLANETARY TRANSFER ORBITS  
 LAGRANGIAN EQUILIBRIUM POINTS  
 LUNAR ORBITAL RENDEZVOUS  
 LUNAR ORBITS  
 MANY BODY PROBLEM  
 ∞ MECHANICS (PHYSICS)  
 MOON-EARTH TRAJECTORIES  
 ORBIT CALCULATION  
 ORBIT DECAY  
 ORBIT PERTURBATION  
 ORBITAL RESONANCES (CELESTIAL MECHANICS)  
 ORBITS  
 PARKING ORBITS  
 PERTURBATION  
 PLANETARY LANDING  
 POYNTING-ROBERTSON EFFECT  
 QUADRATURES  
 RENDEZVOUS  
 RENDEZVOUS TRAJECTORIES  
 ROUND TRIP TRAJECTORIES  
 SATELLITE ORBITS  
 SATELLITE PERTURBATION  
 SPACE NAVIGATION  
 SPACECRAFT ORBITS  
 STATIONKEEPING  
 SWINGBY TECHNIQUE  
 THRUST PROGRAMMING  
 TRAJECTORY ANALYSIS  
 TRANSEARTH INJECTION  
 TRANSFER ORBITS  
 TRANSLUNAR INJECTION  
 TWENTY-FOUR HOUR ORBITS  
 TWO BODY PROBLEM

### ORBITAL MOTION

USE ORBITS

### ORBITAL POSITION ESTIMATION

GS ESTIMATING  
 . **ORBITAL POSITION ESTIMATION**  
 RT CELESTIAL SPHERE  
 GODDARD TRAJECTORY DETERMINATION SYSTEM  
 NAVIGATION  
 ORBIT CALCULATION  
 ∞ ORIENTATION  
 POSITION (LOCATION)  
 POSITION ERRORS  
 ∞ RANGE  
 SATELLITE ORBITS  
 SPACECRAFT ORBITS  
 SPACECRAFT POSITION INDICATORS  
 STATE ESTIMATION

### ORBITAL RENDEZVOUS

UF SATELLITE RENDEZVOUS  
 GS MANEUVERS  
 . **ORBITAL RENDEZVOUS**  
 . . EARTH ORBITAL RENDEZVOUS  
 . . LUNAR ORBITAL RENDEZVOUS  
 RENDEZVOUS  
 . SPACE RENDEZVOUS  
 . . **ORBITAL RENDEZVOUS**  
 . . . EARTH ORBITAL RENDEZVOUS  
 . . . LUNAR ORBITAL RENDEZVOUS

### ORBITAL RENDEZVOUS-(CONT.)

RT ATLAS LAUNCH VEHICLES  
 MULTIPLE DOCKING ADAPTERS  
 PAYLOAD RETRIEVAL (STS)  
 RENDEZVOUS GUIDANCE  
 RENDEZVOUS SPACECRAFT  
 RENDEZVOUS TRAJECTORIES  
 SPACECRAFT DOCKING  
 SPACECRAFT TRAJECTORIES  
 TETHERING

### ORBITAL RESONANCES (CELESTIAL MECHANICS)

GS RESONANCE  
 . **ORBITAL RESONANCES (CELESTIAL MECHANICS)**  
 RT ASTRODYNAMICS  
 CELESTIAL MECHANICS  
 GRAVITATIONAL EFFECTS  
 LIBRATION  
 LIBRATIONAL MOTION  
 ORBIT CALCULATION  
 ORBIT PERTURBATION  
 ORBITAL MECHANICS  
 OSCILLATIONS  
 PLANETARY ORBITS  
 PLANETARY SYSTEMS  
 SATELLITE ORBITS  
 SOLAR ORBITS

### ORBITAL SERVICING

RT COLUMBUS SPACE STATION  
 LARGE SPACE STRUCTURES  
 MANNED MANEUVERING UNITS  
 ORBIT TRANSFER VEHICLES  
 ORBITAL MANEUVERING VEHICLES  
 PAYLOAD TRANSFER  
 SPACE OPERATIONS CENTER (NASA)  
 SPACE PLATFORMS  
 SPACE SHUTTLE PAYLOADS  
 SPACE STATIONS  
 SPACE TRANSPORTATION SYSTEM  
 SPACE TUGS

### ORBITAL SHOTS

RT ∞ SHOT  
 SPACECRAFT LAUNCHING

### ORBITAL SIMULATORS

USE SPACE SIMULATORS

### ORBITAL SPACE TESTS

RT ENVIRONMENTAL TESTS  
 LARGE SPACE STRUCTURES  
 SPACE MECHANICS  
 SPACE STATIONS  
 STRUCTURAL ANALYSIS  
 ∞ TESTS

### ORBITAL TEST SATELLITE (ESA)

USE OTS (ESA)

### ORBITAL TRANSFER

USE TRANSFER ORBITS

### ORBITAL VELOCITY

GS RATES (PER TIME)  
 . **ORBITAL VELOCITY**  
 VELOCITY  
 . **ORBITAL VELOCITY**  
 RT ANGULAR VELOCITY  
 ESCAPE VELOCITY  
 ∞ HYPERVELOCITY  
 VELOCITY ERRORS

### ORBITAL WORKERS

GS PERSONNEL  
 . FLYING PERSONNEL  
 . . ASTRONAUTS  
 . . . **ORBITAL WORKERS**  
 RT ASTRONAUT LOCOMOTION  
 EXTRAVEHICULAR ACTIVITY  
 SPACE MAINTENANCE  
 SPACE TOOLS  
 WORK CAPACITY

### ORBITAL WORKSHOPS

GS ARTIFICIAL SATELLITES  
 . **ORBITAL WORKSHOPS**  
 . . SATURN WORKSHOPS  
 . . . SATURN 1 WORKSHOP  
 . . . SATURN 5 WORKSHOP  
 . . SKYLAB 1  
 . . SKYLAB 2  
 . . SKYLAB 3

### ORBITAL WORKSHOPS-(CONT.)

. . SKYLAB 4  
 MANNED SPACECRAFT  
 . **ORBITAL WORKSHOPS**  
 . . SATURN WORKSHOPS  
 . . . SATURN 1 WORKSHOP  
 . . . SATURN 5 WORKSHOP  
 . . SKYLAB 1  
 . . SKYLAB 2  
 . . SKYLAB 3  
 . . SKYLAB 4  
 RT APOLLO EXTENSION SYSTEM  
 CONTAINERLESS MELTS  
 MANNED ORBITAL LABORATORIES  
 SKYLAB PROGRAM  
 SPACE LABORATORIES  
 SPACE PROCESSING  
 SPACE STATIONS

### ORBITALS

GS **ORBITALS**  
 . ELECTRON ORBITALS  
 . MOLECULAR ORBITALS  
 . SLATER ORBITALS  
 RT JAHN-TELLER EFFECT  
 ORBITS  
 SCHWARZSCHILD METRIC

### ORBITING ASTRONOMICAL OBSERVATORY

USE OAO

### ORBITING DIPOLES

GS ELECTRIC CHARGE  
 . ELECTRIC DIPOLES  
 . . **ORBITING DIPOLES**  
 RT COMMUNICATION EQUIPMENT  
 ∞ DIPOLES

### ORBITING FROG OTOLITH

GS ARTIFICIAL SATELLITES  
 . BIOSATELLITES  
 . . **ORBITING FROG OTOLITH**  
 SPACEBORNE EXPERIMENTS  
 . **ORBITING FROG OTOLITH**  
 RT BIOLOGICAL EFFECTS  
 BIOMETRICS  
 BIOTELEMETRY  
 INSTRUMENT PACKAGES  
 INTERNATIONAL COOPERATION  
 ITALIAN SPACE PROGRAM  
 OTOLITH ORGANS

### ORBITING GEOPHYSICAL OBSERVATORY

USE OGO

### ORBITING LUNAR STATIONS

GS ARTIFICIAL SATELLITES  
 . LUNAR SATELLITES  
 . . **ORBITING LUNAR STATIONS**  
 . . SPACE STATIONS  
 . . **ORBITING LUNAR STATIONS**  
 LUNAR SPACECRAFT  
 . LUNAR SATELLITES  
 . . **ORBITING LUNAR STATIONS**  
 STATIONS  
 . SPACE STATIONS  
 . . **ORBITING LUNAR STATIONS**  
 RT LUNAR BASES  
 ∞ SPACECRAFT

### ORBITING RADIO BEACON IONOSPHERIC SOUNDER

USE ORBS

### ORBITING SOLAR OBSERVATORY

USE OSO

### ORBITRONS

RT ELECTRON CLOUDS  
 ELECTRON TUBES  
 IONIZATION GAGES  
 SPACE CHARGE  
 VACUUM GAGES

### ORBITS

UF ORBITAL MOTION  
 PERIODIC ORBITS  
 GS **ORBITS**  
 . CIRCULAR ORBITS  
 . . STATIONARY ORBITS  
 . . EARTH ORBITS  
 . . APOGEES  
 . . PERIGEEES  
 . . ECCENTRIC ORBITS

## ORGANIC COMPOUNDS

### ORBITS-(CONT.)

. ELLIPTICAL ORBITS  
 . APHELIONS  
 . APOGEES  
 . PERIGEEES  
 . PERIHELIONS  
 . TRANSFER ORBITS  
 . . INTERPLANETARY TRANSFER ORBITS  
 . EQUATORIAL ORBITS  
 . STATIONARY ORBITS  
 . LUNAR ORBITS  
 . PLANETARY ORBITS  
 . SOLAR ORBITS  
 . . APHELIONS  
 . . PERIHELIONS  
 . SPACECRAFT ORBITS  
 . SATELLITE ORBITS  
 . . GEOSYNCHRONOUS ORBITS  
 . . PARKING ORBITS  
 . . POLAR ORBITS  
 . . STATIONARY ORBITS  
 . . TWENTY-FOUR HOUR ORBITS  
 . . TRANSFER ORBITS  
 . . INTERPLANETARY TRANSFER ORBITS  
 . TROJAN ORBITS  
 . STELLAR ORBITS  
 RT AIRBORNE RANGE AND ORBIT DETERMINATION  
 APEXES  
 ARTIFICIAL SATELLITES  
 ASTRODYNAMICS  
 CELESTIAL BODIES  
 CELESTIAL MECHANICS  
 ∞ CONJUNCTION  
 EARTH-VENUS TRAJECTORIES  
 EPHEMERIDES  
 FLIGHT OPTIMIZATION  
 FLIGHT PATHS  
 FOUR BODY PROBLEM  
 GROUND TRACKS  
 ∞ INCLINATION  
 INTERPLANETARY FLIGHT  
 LUNAR FLIGHT  
 MANY BODY PROBLEM  
 ∞ MOTION  
 ORBITAL MECHANICS  
 ORBITALS  
 ∞ PATHS  
 QUADRATURES  
 ROCHE LIMIT  
 SATELLITE GROUND TRACKS  
 SCHWARZSCHILD METRIC  
 SPACE FLIGHT  
 SPACE NAVIGATION  
 SPACECRAFT GUIDANCE  
 STATIONKEEPING  
 SUBORBITAL FLIGHT  
 THREE BODY PROBLEM  
 TRAJECTORIES  
 TWO BODY PROBLEM

### ORCHARDS

RT AGRICULTURE  
 BLIGHT  
 CITRUS TREES  
 CROP GROWTH  
 CROP VIGOR  
 ∞ CROPS  
 CURING  
 FARM CROPS  
 ∞ FOOD  
 FROST DAMAGE  
 FRUITS  
 IRRIGATION  
 NUTS (FRUITS)  
 PLANTS (BOTANY)  
 RURAL LAND USE  
 SILVICULTURE  
 TREES (PLANTS)

### ORDER-DISORDER TRANSFORMATIONS

RT ATOMIC STRUCTURE  
 CRYSTAL DEFECTS  
 CRYSTAL LATTICES  
 CRYSTAL STRUCTURE  
 CRYSTALLOGRAPHY  
 HOLES (ELECTRON DEFICIENCIES)  
 METALLOGRAPHY  
 MICROSTRUCTURE  
 MOLECULAR STRUCTURE  
 PHASE TRANSFORMATIONS  
 SOLID SOLUTIONS  
 ∞ TRANSFORMATIONS

### ORDNANCE

RT AIR TO SURFACE MISSILES  
 AMMUNITION  
 ARMOR  
 BALLISTICS  
 EXPLOSIVES  
 GROUND SUPPORT EQUIPMENT  
 PYROTECHNICS  
 TANKS (COMBAT VEHICLES)  
 TRAJECTORIES  
 WARFARE  
 WEAPON SYSTEMS  
 WEAPONS

### OREGON

GS NATIONS  
 . UNITED STATES  
 . OREGON  
 RT CASCADE RANGE (CA-OR-WA)  
 COLUMBIA RIVER BASIN (ID-OR-WA)

### ORES

USE MINERALS

### ORGAN WEIGHT

GS WEIGHT (MASS)  
 . ORGAN WEIGHT

### ORGANELLES

GS ORGANELLES  
 . CHLOROPLASTS  
 . ENDOPLASMIC RETICULUM  
 . . SARCOPLASMIC RETICULUM  
 . LYSOSOMES  
 . MITOCHONDRIA  
 . NUCLEI (CYTOLOGY)  
 RT CELLS (BIOLOGY)  
 CYTOLOGY  
 CYTOPLASM

### ORGANIC ALUMINUM COMPOUNDS

GS ALUMINUM COMPOUNDS  
 . ORGANIC ALUMINUM COMPOUNDS  
 ORGANOMETALLIC COMPOUNDS  
 . ORGANIC ALUMINUM COMPOUNDS  
 RT ∞ CHEMICAL COMPOUNDS  
 ∞ METAL COMPOUNDS

### ORGANIC BORON COMPOUNDS

GS BORON COMPOUNDS  
 . ORGANIC BORON COMPOUNDS  
 ORGANIC COMPOUNDS  
 . ORGANIC BORON COMPOUNDS  
 RT ∞ CHEMICAL COMPOUNDS

### ORGANIC CHARGE TRANSFER SALTS

GS ORGANIC COMPOUNDS  
 . ORGANIC CHARGE TRANSFER SALTS  
 RT CHARGE TRANSFER DEVICES  
 ∞ SALTS  
 SEMICONDUCTORS (MATERIALS)

### ORGANIC CHEMISTRY

RT BIOCHEMISTRY  
 ∞ CHEMISTRY  
 CRACKING (CHEMICAL ENGINEERING)  
 CYCLIC COMPOUNDS  
 DIELS-ALDER REACTIONS  
 HISTOCHEMICAL ANALYSIS  
 METHOXY SYSTEMS  
 OPTICAL ACTIVITY  
 PHYSIOCHEMISTRY

### ORGANIC COMPOUNDS

GS ORGANIC COMPOUNDS  
 . ACETYL COMPOUNDS  
 . ACETYLACETONE  
 . ACETYSALICYLIC ACID  
 . AMINO ACIDS  
 . ALANINE  
 . . PHENYLALANINE  
 . ASPARTIC ACID  
 . CYSTEINE  
 . DOPA  
 . FOLIC ACID  
 . GLUTAMIC ACID  
 . GLUTAMINE  
 . GLYCINE  
 . HIPPURIC ACID  
 . HISTIDINE  
 . LEUCINE  
 . . NORLEUCINE  
 . LYSINE  
 . . MELANOIDIN

### ORGANIC COMPOUNDS-(CONT.)

. METHIONINE  
 . THYROXINE  
 . TRYPTOPHAN  
 . TYROSINE  
 . CARBOHYDRATES  
 . CITRIC ACID  
 . GLUCOSIDES  
 . . NUCLEOSIDES  
 . . ADENINES  
 . . GUANOSINES  
 . . POLYSACCHARIDES  
 . CELLULOSE  
 . . FORTISAN (TRADEMARK)  
 . CHITIN  
 . DEXTRANS  
 . GLYCogens  
 . STARCHES  
 . SUGARS  
 . DEXTRANS  
 . INOSITOLS  
 . LACTOSE  
 . MANNITOL  
 . MONOSACCHARIDES  
 . . HEXOSES  
 . . GALACTOSE  
 . . GLUCOSE  
 . . PENTOSE  
 . . RIBOSE  
 . . XYLOSE  
 . . SUCROSE  
 . CARBOXYLIC ACIDS  
 . ACRYLIC ACID  
 . ALANINE  
 . ASPARTIC ACID  
 . CITRIC ACID  
 . DICARBOXYLIC ACIDS  
 . FATTY ACIDS  
 . ACETIC ACID  
 . . ETHYLENEDIAMINETETRAACETIC ACIDS  
 . . IODOACETIC ACID  
 . . ACETYSALICYLIC ACID  
 . BENZILIC ACID  
 . BENZOIC ACID  
 . LIPOIC ACID  
 . OLEIC ACID  
 . PALMITIC ACID  
 . PROPIONIC ACID  
 . SEBACIC ACID  
 . VALERIC ACID  
 . FOLIC ACID  
 . FORMHYDROXAMIC ACID  
 . FORMIC ACID  
 . HEXOGENES (TRADEMARK)  
 . LACTIC ACID  
 . LYSINE  
 . NICOTINIC ACID  
 . OXALIC ACID  
 . OXAMIC ACIDS  
 . TRYPTOPHAN  
 . CHOLINE  
 . COENZYMES  
 . ADENOSINE DIPHOSPHATE  
 . ADENOSINE TRIPHOSPHATE  
 . CYCLIC AMP  
 . GLUTATHIONE  
 . THIAMINE  
 . CYCLIC COMPOUNDS  
 . CYCLIC HYDROCARBONS  
 . . ANTHRACENE  
 . . BENZENE  
 . . CHLOROBENZENES  
 . . COLCHICINE  
 . . CYCLOBUTANE  
 . . CYCLOHEXANE  
 . . CYCLOPROPANE  
 . . DURENE  
 . . INDENE  
 . . MENTHOL  
 . . NAPHTHALENE  
 . . NAPHTHENES  
 . . HETEROCYCLIC COMPOUNDS  
 . . ACRIFLAVINE  
 . . ADENOSINES  
 . . ADENOSINE DIPHOSPHATE  
 . . ADENOSINE TRIPHOSPHATE  
 . . CYCLIC AMP  
 . . ALKALOIDS  
 . . ATROPINE  
 . . BETAINES  
 . . CAFFEINE  
 . . COLCHICINE  
 . . ERGOTAMINE  
 . . HYOSCINE  
 . . LYSERGINE

## ORGANIC COOLANTS

### ORGANIC COMPOUNDS-(CONT.)

. . . . MORPHINE  
 . . . . NICOTINAMIDE  
 . . . . NICOTINE  
 . . . . PILOCARPINE  
 . . . . RESERPINE  
 . . . . STRYCHNINE  
 . . . . TROPYL COMPOUNDS  
 . . . . ANISOLE  
 . . . . ASCORBIC ACID  
 . . . . AZINES  
 . . . . CYANURATES  
 . . . . CYANURIC ACID  
 . . . . MECLIZINE  
 . . . . METHYLENE BLUE  
 . . . . PHENOTHIAZINES  
 . . . . AZOLES  
 . . . . ACETAZOLAMIDE  
 . . . . OXAZOLE  
 . . . . PYRROLES  
 . . . . CARBAZOLES  
 . . . . INDOLES  
 . . . . TRYPTOPHAN  
 . . . . AZULENE  
 . . . . BIOFLAVONOIDS  
 . . . . BIOTIN  
 . . . . CARNITINE  
 . . . . CYANOCOBALAMIN  
 . . . . CYTIDYLIC ACID  
 . . . . DIMENHYDRINATE  
 . . . . ENDRIIN  
 . . . . ETHYLENE OXIDE  
 . . . . FOLIC ACID  
 . . . . FURANS  
 . . . . TETRAHYDROFURAN  
 . . . . GUANETHIDINE  
 . . . . HMX  
 . . . . NICOTINIC ACID  
 . . . . PHTHALOCYANIN  
 . . . . PHYLLOQUINONE  
 . . . . PIPERIDINE  
 . . . . PROMETHAZINE  
 . . . . PURINES  
 . . . . ADENINES  
 . . . . XANTHINES  
 . . . . CAFFEINE  
 . . . . GUANINES  
 . . . . URIC ACID  
 . . . . PYRIDINES  
 . . . . PYRIDOXINE  
 . . . . PYRIMIDINES  
 . . . . ALLOXAN  
 . . . . THYMIDINE  
 . . . . THYMINE  
 . . . . URACIL  
 . . . . RDX  
 . . . . RETINENE  
 . . . . RIBOFLAVIN  
 . . . . TETRACYCLINES  
 . . . . TETRAZOLES  
 . . . . THIAMINE  
 . . . . THIAZINE (TRADEMARK)  
 . . . . TOCOPHEROL  
 . . . . TRIMETHADIONE  
 . . . . FLUORINE ORGANIC COMPOUNDS  
 . . . . FLUOROAMINES  
 . . . . NITROFLUORAMINES  
 . . . . TRIFLUOROAMINE OXIDE  
 . . . . FLUOROCARBONS  
 . . . . FLUOROHYDROCARBONS  
 . . . . CARBON TETRAFLUORIDE  
 . . . . CHLOROFUOROMETHANE  
 . . . . FLUOROPOLYMERS  
 . . . . POLYVINYL FLUORIDE  
 . . . . KEL-F  
 . . . . PERFLUOROALKANE  
 . . . . PERFLUOROGUANIDINE  
 . . . . HYDROCARBONS  
 . . . . ALIPHATIC HYDROCARBONS  
 . . . . ALKANES  
 . . . . BUTANES  
 . . . . CETANE  
 . . . . ETHANE  
 . . . . HEPTANES  
 . . . . METHANE  
 . . . . NITROPROPANE  
 . . . . NONANES  
 . . . . OCTANES  
 . . . . PARAFFINS  
 . . . . CERESIN  
 . . . . PENTANES  
 . . . . NEOPENTANE  
 . . . . PROPANE  
 . . . . ALKENES  
 . . . . BUTENES  
 . . . . ETHYLENE

### ORGANIC COMPOUNDS-(CONT.)

. . . . VINYLIDENE  
 . . . . HEXENES  
 . . . . PROPYLENE  
 . . . . TRIENES  
 . . . . ALKYNES  
 . . . . ACETYLENE  
 . . . . OXYACETYLENE  
 . . . . DIENES  
 . . . . BUTADIENE  
 . . . . HEPTADIENE  
 . . . . HEXADIENE  
 . . . . POLYBUTADIENE  
 . . . . CAROTENE  
 . . . . CHLOROFUOROMETHANE  
 . . . . CUBANE  
 . . . . CYANOACETYLENE  
 . . . . CYCLIC HYDROCARBONS  
 . . . . ANTHRACENE  
 . . . . BENZENE  
 . . . . CHLOROBENZENES  
 . . . . COLCHICINE  
 . . . . CYCLOBUTANE  
 . . . . CYCLOHEXANE  
 . . . . CYCLOPROPANE  
 . . . . DURENE  
 . . . . INDENE  
 . . . . MENTHOL  
 . . . . NAPHTHALENE  
 . . . . NAPHTHENES  
 . . . . DIPHENYL COMPOUNDS  
 . . . . DIPHENYL HYDANTOIN  
 . . . . LIQUEFIED NATURAL GAS  
 . . . . MESITYLENE  
 . . . . METHYLENE  
 . . . . NATURAL GAS  
 . . . . PHENANTHRENE  
 . . . . PYRENES  
 . . . . QUINOXALINES  
 . . . . STILBENE  
 . . . . TOLUENE  
 . . . . TRIPHENYLS  
 . . . . XYLENE  
 . . . . KEROGEN  
 . . . . LEAD ORGANIC COMPOUNDS  
 . . . . LEAD ACETATES  
 . . . . LIPIOS  
 . . . . CALCIFEROL  
 . . . . CASTOR OIL  
 . . . . FATS  
 . . . . LIPOPROTEINS  
 . . . . PHYLLOQUINONE  
 . . . . RETINENE  
 . . . . STERIODS  
 . . . . CHOLESTEROL  
 . . . . CORTICOSTEROIDS  
 . . . . ALDOSTERONE  
 . . . . HYDROXYCORTICOSTEROID  
 . . . . CORTISONE  
 . . . . ESTROGENS  
 . . . . PROSTAGLANDINS  
 . . . . TOCOPHEROL  
 . . . . NUCLEIC ACIDS  
 . . . . DEOXYRIBONUCLEIC ACID  
 . . . . RIBONUCLEIC ACIDS  
 . . . . NUCLEOTIDES  
 . . . . ADENINES  
 . . . . ADENOSINES  
 . . . . ADENOSINE DIPHOSPHATE  
 . . . . ADENOSINE TRIPHOSPHATE  
 . . . . CYCLIC AMP  
 . . . . POLYNUCLEOTIDES  
 . . . . PYRIDINE NUCLEOTIDES  
 . . . . URIDYLIC ACID  
 . . . . ORGANIC BORON COMPOUNDS  
 . . . . ORGANIC CHARGE TRANSFER SALTS  
 . . . . ORGANIC GERMANIUM COMPOUNDS  
 . . . . ORGANIC LIQUIDS  
 . . . . ORGANIC LITHIUM COMPOUNDS  
 . . . . ORGANIC PEROXIDES  
 . . . . ORGANIC PHOSPHORUS COMPOUNDS  
 . . . . PHOSPHAZENE  
 . . . . PHOSPHENE  
 . . . . PHOSPHONITRILES  
 . . . . URIDYLIC ACID  
 . . . . ORGANIC SILICON COMPOUNDS  
 . . . . TRIPHENYL SILICON  
 . . . . ORGANIC SULFUR COMPOUNDS  
 . . . . ORGANIC TIN COMPOUNDS  
 . . . . PENTANONE  
 . . . . PEPTIDES  
 . . . . POLYPEPTIDES  
 . . . . GLUTATHIONE  
 . . . . HYPERTENSIN  
 . . . . POLYNUCLEAR ORGANIC COMPOUNDS  
 . . . . PROPARGYL GROUPS

### ORGANIC COMPOUNDS-(CONT.)

. . . . PROTEINS  
 . . . . ALBUMINS  
 . . . . ASPARTATES  
 . . . . CALMODULIN  
 . . . . ELASTIN  
 . . . . ENZYMES  
 . . . . ALDOLASE  
 . . . . AMIDASE  
 . . . . CARBONIC ANHYDRASE  
 . . . . CATALASE  
 . . . . CHOLINESTERASE  
 . . . . CYTOCHROMES  
 . . . . HEXOKINASE  
 . . . . LYSOZYME  
 . . . . NUCLEASE  
 . . . . OXIDASE  
 . . . . PAPAINE  
 . . . . PEPSIN  
 . . . . PROTEASE  
 . . . . THROMBIN  
 . . . . TRYPSIN  
 . . . . FIBRIN  
 . . . . GLOBULINS  
 . . . . FIBRINOGEN  
 . . . . GAMMA GLOBULIN  
 . . . . HEMOGLOBIN  
 . . . . CARBOXYHEMOGLOBIN  
 . . . . OXYHEMOGLOBIN  
 . . . . KERATINS  
 . . . . LIPOPROTEINS  
 . . . . MELANIN  
 . . . . MYOGLOBIN  
 . . . . PROTEINOIDS  
 . . . . PROTHROMBIN  
 . . . . PROTOPROTEINS  
 . . . . QUINOLINE  
 . . . . SEROTONIN  
 RT . . . . ALCOHOLS  
 . . . . ALDEHYDES  
 . . . . ALIPHATIC COMPOUNDS  
 . . . . ALKYL COMPOUNDS  
 . . . . AROMATIC COMPOUNDS  
 . . . . CHEMICAL COMPOUNDS  
 . . . . CHEMICAL EVOLUTION  
 . . . . ESTERS  
 . . . . ETHERS  
 . . . . HYDROXYL COMPOUNDS  
 . . . . METABOLITES  
 . . . . METHOXY SYSTEMS  
 . . . . METHYL COMPOUNDS  
 . . . . NITROSO COMPOUNDS  
 . . . . ORGANIC WASTES (FUEL CONVERSION)  
 . . . . ORGANOMETALLIC COMPOUNDS  
 . . . . SALTS

### ORGANIC COOLANTS

GS . . . . COOLANTS  
 . . . . ORGANIC COOLANTS

### ORGANIC COOLED REACTORS

UF . . . . ORGEL REACTOR  
 GS . . . . NUCLEAR REACTORS  
 . . . . LIQUID COOLED REACTORS  
 . . . . ORGANIC COOLED REACTORS  
 . . . . EXPERIMENTAL ORGANIC COOLED REACTORS  
 RT . . . . REACTOR DESIGN  
 . . . . REACTOR TECHNOLOGY

### ORGANIC FLUORINE COMPOUNDS

USE . . . . FLUORINE ORGANIC COMPOUNDS

### ORGANIC GERMANIUM COMPOUNDS

GS . . . . GERMANIUM COMPOUNDS  
 . . . . ORGANIC GERMANIUM COMPOUNDS  
 . . . . ORGANIC COMPOUNDS  
 . . . . ORGANIC GERMANIUM COMPOUNDS  
 . . . . ORGANOMETALLIC COMPOUNDS  
 . . . . ORGANIC GERMANIUM COMPOUNDS  
 RT . . . . CHEMICAL COMPOUNDS  
 . . . . METAL COMPOUNDS

### ORGANIC LASERS

GS . . . . STIMULATED EMISSION DEVICES  
 . . . . LASERS  
 . . . . ORGANIC LASERS  
 . . . . DYE LASERS  
 RT . . . . CARBON DIOXIDE LASERS  
 . . . . CARBON LASERS  
 . . . . CHEMICAL LASERS  
 . . . . GAS LASERS  
 . . . . INFRARED LASERS  
 . . . . LIQUID LASERS

# ORIFICES

## ORGANIC LIQUIDS

- GS LIQUIDS
  - . ORGANIC LIQUIDS
  - ORGANIC COMPOUNDS
  - . ORGANIC LIQUIDS
- RT PYRUVATES
  - XANTHIC ACIDS

## ORGANIC LITHIUM COMPOUNDS

- GS LITHIUM COMPOUNDS
  - . ORGANIC LITHIUM COMPOUNDS
  - ORGANIC COMPOUNDS
  - . ORGANIC LITHIUM COMPOUNDS
  - ORGANOMETALLIC COMPOUNDS
  - . ORGANIC LITHIUM COMPOUNDS
- RT  $\infty$ CHEMICAL COMPOUNDS
  - $\infty$ METAL COMPOUNDS

## ORGANIC MATERIALS

- GS ORGANIC MATERIALS
  - . PEAT
- RT BIODEGRADABILITY
  - CARBONACEOUS MATERIALS
  - CORK (MATERIALS)
  - COTTON FIBERS
  - ELASTOMERS
  - LINEN
  - $\infty$ MATERIALS
  - MOLDS
  - PAPER (MATERIAL)
  - PHASE CHANGE MATERIALS
  - PLASTICS
  - $\infty$ POLYMERS
  - ROSIN
  - RUBBER
  - SILK
  - THERMOCHROMATIC MATERIALS
  - WOOD
  - WOOL

## ORGANIC MODERATED REACTORS

- GS NUCLEAR REACTORS
  - . ORGANIC MODERATED REACTORS
  - . EXPERIMENTAL ORGANIC COOLED REACTORS

## ORGANIC NITRATES

- GS ESTERS
  - . ORGANIC NITRATES
  - . CELLULOSE NITRATE
  - . NITROFORMS
  - . . . HYDRAZINE NITROFORM
  - . NITROGLYCERIN
  - . PETN
  - NITROGEN COMPOUNDS
  - . NITRATES
  - . . ORGANIC NITRATES
  - . . . CELLULOSE NITRATE
  - . . . NITROFORMS
  - . . . . HYDRAZINE NITROFORM
  - . . . NITROGLYCERIN
  - . . . PETN

## ORGANIC PEROXIDES

- GS CHALCOGENIDES
  - . OXIDES
  - . . ANHYDRIDES
  - . . . PEROXIDES
  - . . . . ORGANIC PEROXIDES
  - ORGANIC COMPOUNDS
  - . ORGANIC PEROXIDES
- RT AIR POLLUTION
  - HYDROCARBONS
  - INORGANIC PEROXIDES

## ORGANIC PHOSPHORUS COMPOUNDS

- GS ORGANIC COMPOUNDS
  - . ORGANIC PHOSPHORUS COMPOUNDS
  - . . PHOSPHAZENE
  - . . PHOSPHENE
  - . . PHOSPHONITRILES
  - . . URIDYLIC ACID
  - PHOSPHORUS COMPOUNDS
  - . ORGANIC PHOSPHORUS COMPOUNDS
  - . . PHOSPHAZENE
  - . . PHOSPHENE
  - . . PHOSPHONITRILES
  - . . URIDYLIC ACID
- RT  $\infty$ CHEMICAL COMPOUNDS

## ORGANIC SEMICONDUCTORS

- GS SEMICONDUCTORS (MATERIALS)
  - . ORGANIC SEMICONDUCTORS
- RT  $\infty$ CHEMICAL COMPOUNDS
  - CONDUCTORS

## ORGANIC SEMICONDUCTORS-(CONT.)

### SEMICONDUCTOR DEVICES

## ORGANIC SILICON COMPOUNDS

- GS ORGANIC COMPOUNDS
  - . ORGANIC SILICON COMPOUNDS
  - . . TRIPHENYL SILICON
  - SILICON COMPOUNDS
  - . ORGANIC SILICON COMPOUNDS
  - . . TRIPHENYL SILICON
- RT  $\infty$ CHEMICAL COMPOUNDS

## ORGANIC SOLIDS

- RT ASTRONOMICAL SPECTROSCOPY
  - COSMIC DUST
  - PLANETARY ATMOSPHERES
  - SOLIDS

## ORGANIC SULFUR COMPOUNDS

- GS ORGANIC COMPOUNDS
  - . ORGANIC SULFUR COMPOUNDS
  - SULFUR COMPOUNDS
  - . ORGANIC SULFUR COMPOUNDS
- RT  $\infty$ CHEMICAL COMPOUNDS

## ORGANIC TIN COMPOUNDS

- GS ORGANIC COMPOUNDS
  - . ORGANIC TIN COMPOUNDS
  - ORGANOMETALLIC COMPOUNDS
  - . ORGANIC TIN COMPOUNDS
  - TIN COMPOUNDS
  - . ORGANIC TIN COMPOUNDS
- RT  $\infty$ CHEMICAL COMPOUNDS
  - $\infty$ METAL COMPOUNDS

## ORGANIC WASTES (FUEL CONVERSION)

- RT  $\infty$ CONVERSION
  - ENERGY CONVERSION
  - GARBAGE
  - HUMAN WASTES
  - METABOLIC WASTES
  - ORGANIC COMPOUNDS
  - RESIDUES
  - SEWAGE
  - SLUDGE
  - WASTES

## ORGANISMS

- RT ANIMALS
  - BIOMASS
  - CARBON CYCLE
  - DEEP SCATTERING LAYERS
  - PHYSIOLOGY
  - PLANTS (BOTANY)

## ORGANIZATIONS

- UF ASSOCIATIONS
- GS ORGANIZATIONS
  - . EUROPEAN SPACE AGENCY
  - . FEDERATIONS
  - . . BUREAUS (ORGANIZATIONS)
  - . . ISRO
  - . . NORTH ATLANTIC TREATY ORGANIZATION (NATO)
  - . . WORLD METEOROLOGICAL ORGANIZATION

- RT TEAMS
  - UNITED NATIONS

## ORGANIZING

- RT PERSONNEL
  - UNIONIZATION

## ORGANOMETALLIC COMPOUNDS

- UF METALLORGANIC COMPOUNDS
- GS ORGANOMETALLIC COMPOUNDS
  - . CHLOROPHYLLS
  - . FERROCENES
  - . . ALKYLFERROCENE
  - . . HEMOGLOBIN
  - . . CARBOXYHEMOGLOBIN
  - . . OXYHEMOGLOBIN
  - . METALLOXANE POLYMER
  - . ORGANIC ALUMINUM COMPOUNDS
  - . ORGANIC GERMANIUM COMPOUNDS
  - . ORGANIC LITHIUM COMPOUNDS
  - . ORGANIC TIN COMPOUNDS
  - . PORPHINES

- RT CHELATES
  - $\infty$ CHEMICAL COMPOUNDS
  - $\infty$ METAL COMPOUNDS
  - METALLOIDS
  - METALLOSILOXANE POLYMER
  - ORGANIC COMPOUNDS

## ORGANOMETALLIC COMPOUNDS-(CONT.)

### SYNTHETIC METALS

## ORGANOMETALLIC POLYMERS

- RT  $\infty$ POLYMERS

## ORGANS

- SN (FOR SPECIFIC ORGANS, ORGAN SUBSTRUCTURES AND ORGAN SYSTEMS SEE ANATOMY)
- GS ORGANS
  - . VISCERA
- RT ANATOMY
  - CELLS (BIOLOGY)
  - CIRCULATORY SYSTEM
  - DIGESTIVE SYSTEM
  - GASTROINTESTINAL SYSTEM
  - GENITOURINARY SYSTEM
  - GLANDS (ANATOMY)
  - RESPIRATORY SYSTEM
  - SENSE ORGANS
  - TISSUES (BIOLOGY)

## ORGEL REACTOR

- USE ORGANIC COOLED REACTORS

## ORGUEIL METEORITE

- GS CELESTIAL BODIES
  - . METEORITES
  - . . STONY METEORITES
  - . . . CHONDRITES
  - . . . . CARBONACEOUS METEORITES
  - . . . . . ORGUEIL METEORITE

## ORIC CYCLOTRON

- USE OAK RIDGE ISOCRONOUS CYCLOTRON

## $\infty$ ORIENTATION

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT ALIGNMENT
  - ATTITUDE (INCLINATION)
  - AZIMUTH
  - BEARING (DIRECTION)
  - BRAGG ANGLE
  - COLLIMATION
  - CRYSTALLOGRAPHY
  - DIRECTIVITY
  - EDUCATION
  - FIBER ORIENTATION
  - FIELD STRENGTH
  - HORIZONTAL ORIENTATION
  - INSTRUMENT ORIENTATION
  - ISOTROPY
  - OPTICAL PROPERTIES
  - ORBITAL POSITION ESTIMATION
  - PLY ORIENTATION
  - POLARIZATION (SPIN ALIGNMENT)
  - POLARIZATION (WAVES)
  - POSITION (LOCATION)
  - POSITIONING
  - SOUND LOCALIZATION
  - VERTICAL ORIENTATION
  - VERTICAL PERCEPTION
  - VISUAL PERCEPTION

## ORIFICE FLOW

- GS FLUID FLOW
  - . ORIFICE FLOW
- RT CRITICAL FLOW
  - $\infty$ FLOW
    - GAS FLOW
    - GRAZING FLOW
    - LAMINAR FLOW
    - LIQUID FLOW
    - MULTIPHASE FLOW
    - ORIFICES
    - PIPE FLOW
    - PRESSURE GRADIENTS
    - SINGLE-PHASE FLOW
    - STEADY FLOW
    - STEAM FLOW
    - SUBCRITICAL FLOW
    - SUPERCRITICAL FLOW
    - TURBULENT FLOW
    - UNSTEADY FLOW

## ORIFICES

- RT ANNULAR DUCTS
  - APERTURES
  - CAVITIES
  - CHOKES (FUEL SYSTEMS)
  - CHOKES (RESTRICTIONS)
  - DUCTS

## ORIGIN OF PLASMAS IN EARTH NEIGHBORHOOD

### ORIFICES-(CONT.)

FLOW MEASUREMENT  
FLOWMETERS  
GAPS  
INJECTORS  
∞ NOZZLES  
OPENINGS  
∞ OPERATIONS  
ORIFICE FLOW  
PORTS (OPENINGS)  
SPRAY NOZZLES  
THROATS  
VENTURI TUBES

### ORIGIN OF PLASMAS IN EARTH NEIGHBORHOOD

USE OPEN PROJECT

### ∞ ORIGINS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED-CONSULT THE TERMS  
LISTED BELOW)*  
RT CAUSES  
COORDINATES  
DERIVATION  
GRAPHS (CHARTS)

### ORION (RADIO INTERFEROMETRY NETWORK)

RT RADIO INTERFEROMETERS  
RADIO RECEIVERS  
TRACKING NETWORKS

### ORION AIRCRAFT

USE P-3 AIRCRAFT

### ORION CONSTELLATION

GS CONSTELLATIONS  
ORION CONSTELLATION  
RT OPIK THEORY  
ORION NEBULA  
SIGMA ORIONIS

### ORION NEBULA

GS CELESTIAL BODIES  
NEBULAE  
ORION NEBULA  
HYDROGEN CLOUDS  
ORION NEBULA  
RT ASTROPHYSICS  
CASSIOPEIA A  
CRAB NEBULA  
GALAXIES  
GUM NEBULA  
INTERSTELLAR GAS  
INTERSTELLAR MATTER  
IRREGULAR GALAXIES  
MAGELLANIC CLOUDS  
MILKY WAY GALAXY  
OPIK THEORY  
ORION CONSTELLATION  
PLANETARY NEBULAE  
STELLAR CORONAS  
SUPERNOVAE

### ORIONID METEORIDS

GS CELESTIAL BODIES  
METEOROID SHOWERS  
ORIONID METEORIDS  
METEORIDS  
ORIONID METEORIDS  
RT AQUARIID METEORIDS

### ORLICZ SPACE

RT SET THEORY

### ORNITHOPTER AIRCRAFT

USE RESEARCH AIRCRAFT

### ORNSTEIN-UHLENBECK PROCESS

RT ∞ PROCESSES

### OROGRAPHIC CLOUDS

USE CAP CLOUDS

### OROGRAPHY

GS GEOGRAPHY  
OROGRAPHY  
GEOLOGY  
OROGRAPHY  
RT CONES (VOLCANOES)  
GEOMORPHOLOGY  
ISOSTASY  
MARS VOLCANOES  
MOUNTAINS  
PEAKS (LANDFORMS)

### OROGRAPHY-(CONT.)

VOLCANOES  
VOLCANOLOGY

### ORR-SOMMERFELD EQUATIONS

RT ∞ EQUATIONS  
FLOW DISTORTION  
FLOW STABILITY  
FLOW THEORY  
QUANTUM MECHANICS  
VELOCITY DISTRIBUTION

### ORRERIES

USE ASTRONOMICAL MODELS

### ORTHICONS

GS ELECTRON TUBES  
CAMERA TUBES  
ORTHICONS  
IMAGE ORTHICONS  
RT IMAGE INTENSIFIERS  
PHOTOCATHODES  
TELEVISION CAMERAS  
TELEVISION EQUIPMENT

### ORTHO HYDROGEN

GS GASES  
ORTHO HYDROGEN  
RT HYDROGEN

### ORTHO PARA CONVERSION

GS ISOMERIZATION  
ORTHO PARA CONVERSION  
RT ∞ CONVERSION  
PARA HYDROGEN

### ORTHOGONAL FUNCTIONS

GS ANALYSIS (MATHEMATICS)  
COMPLEX VARIABLES  
ORTHOGONAL FUNCTIONS  
FUNCTIONS (MATHEMATICS)  
ORTHOGONAL FUNCTIONS  
WALSH FUNCTION  
RT BESSEL FUNCTIONS  
EXPONENTIAL FUNCTIONS  
FUNCTION SPACE  
HANKEL FUNCTIONS  
HYPERBOLIC FUNCTIONS  
LAGUERRE FUNCTIONS  
LEGENDRE FUNCTIONS  
LINEAR TRANSFORMATIONS  
MATHIEU FUNCTION  
ORTHOGONALITY  
ORTHONORMAL FUNCTIONS  
QUALITY CONTROL

### ORTHOGONAL MULTIPLEXING THEORY

RT PULSE COMMUNICATION  
SIGNAL TRANSMISSION  
∞ THEORIES  
WAVE INTERACTION  
WAVELENGTH DIVISION MULTIPLEXING

### ORTHOGONALITY

UF KRONECKER PRODUCT  
GS MOMENTS  
DISTRIBUTION MOMENTS  
ORTHOGONALITY  
RT COVARIANCE  
EXPERIMENT DESIGN  
FACTOR ANALYSIS  
ORTHOGONAL FUNCTIONS  
QUALITY CONTROL

### ORTHOGRAPHY

GS LANGUAGES  
ORTHOGRAPHY  
RT HANDWRITING  
INTELLIGIBILITY  
LINGUISTICS  
SEMANTICS  
SYNTAX  
WORDS (LANGUAGE)

### ORTHONORMAL FUNCTIONS

GS FUNCTIONS (MATHEMATICS)  
ORTHONORMAL FUNCTIONS  
RT ORTHOGONAL FUNCTIONS

### ORTHOPEDICS

GS MEDICAL SCIENCE  
ORTHOPEDICS

### ORTHOPHOTOGRAPHY

GS PHOTOGRAPHY  
ORTHOPHOTOGRAPHY  
RT AERIAL PHOTOGRAPHY  
COLOR PHOTOGRAPHY  
MAPPING

### ORTHOSTATIC TOLERANCE

RT BED REST  
BLOOD PRESSURE  
HEAD DOWN TILT  
HUMAN TOLERANCES  
LOWER BODY NEGATIVE PRESSURE  
POSTURE  
TOLERANCES (PHYSIOLOGY)

### ORTHOTROPIC CYLINDERS

RT ∞ CYLINDERS  
CYLINDRICAL BODIES  
CYLINDRICAL SHELLS  
ROCKET ENGINE CASES

### ORTHOTROPIC PLATES

GS STRUCTURAL MEMBERS  
PLATES (STRUCTURAL MEMBERS)  
ORTHOTROPIC PLATES

### ORTHOTROPIC SHELLS

GS SHELLS (STRUCTURAL FORMS)  
ORTHOTROPIC SHELLS  
RT CYLINDRICAL SHELLS  
METAL SHELLS  
REINFORCED SHELLS  
SHELL STABILITY  
THIN WALLED SHELLS

### ORTHOTROPISM

RT PLATES (STRUCTURAL MEMBERS)

### OSCILLATING CYLINDERS

RT ∞ CYLINDERS  
CYLINDRICAL BODIES  
CYLINDRICAL SHELLS  
OSCILLATIONS  
VIBRATION

### OSCILLATING FLOW

GS FLUID FLOW  
UNSTEADY FLOW  
OSCILLATING FLOW  
RT BUFFETING  
COMPRESSIBILITY EFFECTS  
FLOW DISTORTION  
NONEQUILIBRIUM FLOW  
SMALL PERTURBATION FLOW  
STROUHAL NUMBER

### OSCILLATION DAMPERS

RT ∞ ABSORBERS  
∞ DAMPERS  
MAXWELL BODIES  
NONOSCILLATORY ACTION  
NONSTABILIZED OSCILLATION  
NUTATION DAMPERS  
SPRINGS (ELASTIC)  
VIBRATION ISOLATORS

### OSCILLATIONS

UF PHUGOID OSCILLATIONS  
GS OSCILLATIONS  
AIRFOIL OSCILLATIONS  
WING OSCILLATIONS  
ELECTRON OSCILLATIONS  
HARMONIC OSCILLATION  
HYDROFOIL OSCILLATIONS  
MOLECULAR OSCILLATIONS  
NONOSCILLATORY ACTION  
NONSTABILIZED OSCILLATION  
PLASMA OSCILLATIONS  
PRESSURE OSCILLATIONS  
SELF OSCILLATION  
SOUTHERN OSCILLATION  
STABLE OSCILLATIONS  
STELLAR OSCILLATIONS  
SOLAR OSCILLATIONS  
TRANSIENT OSCILLATIONS  
TRANSVERSE OSCILLATION  
H WAVES  
UNDAMPED OSCILLATIONS  
AMPLITUDES  
BRUNT-VAISALA FREQUENCY  
CRYSTAL OSCILLATORS  
DAMPING  
FEEDBACK

**OSCILLATIONS-(CONT.)**

∞ MOTION  
NONUNIFORMITY  
ORBITAL RESONANCES (CELESTIAL MECHANICS)  
OSCILLATING CYLINDERS  
OSCILLATORS  
PENDULUMS  
PERIODIC VARIATIONS  
PERTURBATION  
RESONANCE  
RESONANT VIBRATION  
∞ RHYTHM  
SPACECRAFT MOTION  
SPRINGS (ELASTIC)  
SYNTONY  
TRAVELING WAVE TUBES  
VIBRATION  
VIBRATION TESTS

**OSCILLATOR STRENGTHS**

RT ABSORPTION SPECTRA  
ABSORPTIVITY  
ELECTRON OSCILLATIONS  
ELECTRON TRANSITIONS  
LINE SPECTRA  
MOLECULAR OSCILLATIONS  
MOLECULAR OSCILLATORS  
OSCILLATORS  
SPECTRAL LINE WIDTH

**OSCILLATORS**

UF PHUGOID OSCILLATIONS  
WAVE OSCILLATORS  
GS **OSCILLATORS**  
. AUTODYNES  
. CRYSTAL OSCILLATORS  
. PIEZOELECTRIC CRYSTALS  
. HARMONIC OSCILLATORS  
. MECHANICAL OSCILLATORS  
. PENDULUMS  
. GYROSCOPIC PENDULUMS  
. MICROWAVE OSCILLATORS  
. MAGNETRONS  
. NIGOTRONS  
. MOLECULAR OSCILLATORS  
. RELAXATION OSCILLATORS  
. PHANTASTRONS  
. SYNCHRONIZED OSCILLATORS  
. VACUUM TUBE OSCILLATORS  
. VOLTAGE CONTROLLED OSCILLATORS  
RT **AMPLIFIERS**  
AUTOMATIC FREQUENCY CONTROL  
CAVITY RESONATORS  
CIRCUITS  
ELECTRON TUBES  
FEEDBACK  
FEEDBACK AMPLIFIERS  
FLIP-FLOPS  
FREQUENCY STABILITY  
FREQUENCY SYNTHESIZERS  
HARMONIC GENERATORS  
INVERTERS  
MICROWAVE TUBES  
∞ MOTION  
MULTIVIBRATORS  
NEGATIVE FEEDBACK  
NONOSCILLATORY ACTION  
NONSTABILIZED OSCILLATION  
OSCILLATIONS  
OSCILLATOR STRENGTHS  
PARAMETRONS  
PERIODIC VARIATIONS  
PERTURBATION  
POSITIVE FEEDBACK  
RESONANT FREQUENCIES  
RESONATORS  
SELF EXCITATION  
SEMICONDUCTOR DEVICES  
SIGNAL GENERATORS  
SOLID STATE DEVICES  
SUBHARMONIC GENERATORS  
TRANSFORMERS  
VIBRATION

**OSCILLOGRAMS**

USE OSCILLOGRAMS

**OSCILLOGRAPHS**

UF OSCILLOGRAMS  
GS MEASURING INSTRUMENTS  
. **OSCILLOGRAPHS**  
RECORDING INSTRUMENTS  
. **OSCILLOGRAPHS**  
RT BARKHAUSEN EFFECT

**OSCILLOGRAPHS-(CONT.)**

ELECTRICAL MEASUREMENT  
OSCILLOGRAPHS  
TIME MEASUREMENT

**OSCILLOGRAPHS**

RT CATHODE RAY TUBES  
ELECTRONIC EQUIPMENT TESTS  
FLYING SPOT SCANNERS  
FREQUENCY ANALYZERS  
OSCILLOGRAPHS  
SWEEP CIRCUITS  
SWEEP FREQUENCY  
SYNCHROSCOPES  
VIDEO EQUIPMENT

**OSCULATIONS**

USE DOUBLE CUSPS

**OSEEN APPROXIMATION**

GS ANALYSIS (MATHEMATICS)  
. NUMERICAL ANALYSIS  
. APPROXIMATION  
. **OSEEN APPROXIMATION**  
RT INCOMPRESSIBLE FLUIDS  
NAVIER-STOKES EQUATION  
ROSHKO PREDICTION  
STOKES FLOW  
VISCOUS FLUIDS

**OSMIUM**

GS CHEMICAL ELEMENTS  
. **OSMIUM**  
. OSMIUM ISOTOPES  
METALS  
. REFRACTORY METALS  
. **OSMIUM**  
. OSMIUM ISOTOPES  
. TRANSITION METALS  
. **OSMIUM**  
. OSMIUM ISOTOPES  
REFRACTORY MATERIALS  
. REFRACTORY METALS  
. **OSMIUM**  
. OSMIUM ISOTOPES

**OSMIUM ALLOYS**

GS ALLOYS  
. HEAT RESISTANT ALLOYS  
. REFRACTORY METAL ALLOYS  
. **OSMIUM ALLOYS**  
REFRACTORY MATERIALS  
. REFRACTORY METAL ALLOYS  
. **OSMIUM ALLOYS**

**OSMIUM COMPOUNDS**

RT ∞ CHEMICAL COMPOUNDS  
∞ GROUP 8 COMPOUNDS  
∞ METAL COMPOUNDS

**OSMIUM ISOTOPES**

GS CHEMICAL ELEMENTS  
. OSMIUM  
. **OSMIUM ISOTOPES**  
METALS  
. REFRACTORY METALS  
. OSMIUM  
. **OSMIUM ISOTOPES**  
. TRANSITION METALS  
. OSMIUM  
. **OSMIUM ISOTOPES**  
REFRACTORY MATERIALS  
. REFRACTORY METALS  
. OSMIUM  
. **OSMIUM ISOTOPES**

**OSMOMETERS**

GS MEASURING INSTRUMENTS  
. PRESSURE GAGES  
. **OSMOMETERS**

**OSMOSIS**

UF HYPERTONIA  
OSMOTIC PRESSURE  
**OSMOSIS**  
GS . REVERSE OSMOSIS  
RT CELL MEMBRANES (BIOLOGY)  
DEMINEALIZING  
DESALINIZATION  
DIAPHRAGMS (MECHANICS)  
DIFFUSION  
EXTRACTION  
HOMEOSTASIS  
ISOTONICITY

**OSMOSIS-(CONT.)**

MEMBRANES  
PERMEATING  
PRESSURE  
∞ SEPARATION  
WATER BALANCE

**OSMOTIC PRESSURE**

USE OSMOSIS

**OSO**

UF ORBITING SOLAR OBSERVATORY  
GS ARTIFICIAL SATELLITES  
. GEOPHYSICAL SATELLITES  
. **OSO**  
. OSO-C  
. OSO-1  
. OSO-2  
. OSO-3  
. OSO-4  
. OSO-5  
. OSO-6  
. OSO-7  
. OSO-8  
OBSERVATORIES  
. ASTRONOMICAL OBSERVATORIES  
. ASTRONOMICAL SATELLITES  
. **OSO**  
. AOSO  
. OSO-1  
. OSO-2  
. OSO-3  
. OSO-4  
. OSO-5  
. OSO-6  
. OSO-7  
. OSO-8  
. GEOPHYSICAL OBSERVATORIES  
. **OSO**  
. OSO-C  
. OSO-1  
. OSO-2  
. OSO-3  
. OSO-4  
. OSO-5  
. OSO-6  
. OSO-7  
. OSO-8  
. SOLAR OBSERVATORIES  
. **OSO**  
. AOSO  
. OSO-C  
. OSO-1  
. OSO-2  
. OSO-3  
. OSO-4  
. OSO-5  
. OSO-6  
. OSO-7  
. OSO-8  
RT SUN  
THOR DELTA LAUNCH VEHICLE

**OSO-A**

USE OSO-1

**OSO-B**

USE OSO-2

**OSO-C**

UF S-57 SATELLITE  
GS ARTIFICIAL SATELLITES  
. GEOPHYSICAL SATELLITES  
. **OSO**  
. **OSO-C**  
OBSERVATORIES  
. GEOPHYSICAL OBSERVATORIES  
. **OSO**  
. **OSO-C**  
. SOLAR OBSERVATORIES  
. **OSO**  
. **OSO-C**  
RT DELTA LAUNCH VEHICLE

**OSO-D**

USE OSO-4

**OSO-E**

USE OSO-3

**OSO-F**

USE OSO-5



## OSO-G

OSO-G  
USE OSO-6

OSO-H  
USE OSO-7

OSO-J  
USE OSO-8

OSO-1  
UF OSO-A  
S-16 SATELLITE  
GS ARTIFICIAL SATELLITES  
. GEOPHYSICAL SATELLITES  
. OSO  
. OSO-1  
OBSERVATORIES  
. ASTRONOMICAL OBSERVATORIES  
. ASTRONOMICAL SATELLITES  
. OSO  
. OSO-1  
. GEOPHYSICAL OBSERVATORIES  
. OSO  
. OSO-1  
. SOLAR OBSERVATORIES  
. OSO  
. OSO-1  
RT DELTA LAUNCH VEHICLE

OSO-2  
UF OSO-B  
S-17 SATELLITE  
GS ARTIFICIAL SATELLITES  
. GEOPHYSICAL SATELLITES  
. OSO  
. OSO-2  
OBSERVATORIES  
. ASTRONOMICAL OBSERVATORIES  
. ASTRONOMICAL SATELLITES  
. OSO  
. OSO-2  
. GEOPHYSICAL OBSERVATORIES  
. OSO  
. OSO-2  
. SOLAR OBSERVATORIES  
. OSO  
. OSO-2  
RT DELTA LAUNCH VEHICLE

OSO-3  
UF OSO-E  
GS ARTIFICIAL SATELLITES  
. GEOPHYSICAL SATELLITES  
. OSO  
. OSO-3  
OBSERVATORIES  
. ASTRONOMICAL OBSERVATORIES  
. ASTRONOMICAL SATELLITES  
. OSO  
. OSO-3  
. GEOPHYSICAL OBSERVATORIES  
. OSO  
. OSO-3  
. SOLAR OBSERVATORIES  
. OSO  
. OSO-3

OSO-4  
UF OSO-D  
GS ARTIFICIAL SATELLITES  
. GEOPHYSICAL SATELLITES  
. OSO  
. OSO-4  
OBSERVATORIES  
. ASTRONOMICAL OBSERVATORIES  
. ASTRONOMICAL SATELLITES  
. OSO  
. OSO-4  
. GEOPHYSICAL OBSERVATORIES  
. OSO  
. OSO-4  
. SOLAR OBSERVATORIES  
. OSO  
. OSO-4  
RT DELTA LAUNCH VEHICLE

OSO-5  
UF OSO-F  
GS ARTIFICIAL SATELLITES  
. GEOPHYSICAL SATELLITES  
. OSO  
. OSO-5  
OBSERVATORIES  
. ASTRONOMICAL OBSERVATORIES  
. ASTRONOMICAL SATELLITES

## OSO-5-(CONT.)

. OSO  
. OSO-5  
. GEOPHYSICAL OBSERVATORIES  
. OSO  
. OSO-5  
. SOLAR OBSERVATORIES  
. OSO  
. OSO-5

OSO-6  
UF OSO-G  
GS ARTIFICIAL SATELLITES  
. GEOPHYSICAL SATELLITES  
. OSO  
. OSO-6  
OBSERVATORIES  
. ASTRONOMICAL OBSERVATORIES  
. ASTRONOMICAL SATELLITES  
. OSO  
. OSO-6  
. GEOPHYSICAL OBSERVATORIES  
. OSO  
. OSO-6  
. SOLAR OBSERVATORIES  
. OSO  
. OSO-6

OSO-7  
UF OSO-H  
GS ARTIFICIAL SATELLITES  
. GEOPHYSICAL SATELLITES  
. OSO  
. OSO-7  
OBSERVATORIES  
. ASTRONOMICAL OBSERVATORIES  
. ASTRONOMICAL SATELLITES  
. OSO  
. OSO-7  
. GEOPHYSICAL OBSERVATORIES  
. OSO  
. OSO-7  
. SOLAR OBSERVATORIES  
. OSO  
. OSO-7  
RT DUAL SPIN SPACECRAFT

OSO-8  
UF OSO-J  
GS ARTIFICIAL SATELLITES  
. GEOPHYSICAL SATELLITES  
. OSO  
. OSO-8  
OBSERVATORIES  
. ASTRONOMICAL OBSERVATORIES  
. ASTRONOMICAL SATELLITES  
. OSO  
. OSO-8  
. GEOPHYSICAL OBSERVATORIES  
. OSO  
. OSO-8  
. SOLAR OBSERVATORIES  
. OSO  
. OSO-8

OSP REY MISSILE  
GS MISSILES  
RT OSP REY MISSILE  
J-85 ENGINE

OSS-1 PAYLOAD  
GS PAYLOADS  
. SPACE SHUTTLE PAYLOADS  
. OSS-1 PAYLOAD  
RT EXPLORATION  
GET AWAY SPECIALS (STS)  
INVESTIGATION  
NASA PROGRAMS  
SPACE TRANSPORTATION SYSTEM  
SPACEBORNE EXPERIMENTS

OSTA-1 PAYLOAD  
SN (OFFICE OF SPACE & TERRESTRIAL  
APPLICATIONS PAYLOADS)  
UF OFFICE OF SPACE & TERRESTRIAL  
PAYLOADS  
GS PAYLOADS  
. SPACE SHUTTLE PAYLOADS  
. OSTA-1 PAYLOAD  
RT SPACE TRANSPORTATION SYSTEM  
SPACEBORNE EXPERIMENTS

OSTA-2 PAYLOAD  
SN (OFFICE OF SPACE & TERRESTRIAL  
APPLICATIONS PAYLOADS)

## OSTA-2 PAYLOAD-(CONT.)

UF OFFICE OF SPACE & TERRESTRIAL  
PAYLOADS  
GS PAYLOADS  
. OSTA-2 PAYLOAD  
RT SPACE TRANSPORTATION SYSTEM  
SPACELAB

## OSTA-3 PAYLOAD

SN (OFFICE OF SPACE & TERRESTRIAL  
APPLICATIONS PAYLOADS)  
UF OFFICE OF SPACE & TERRESTRIAL  
PAYLOADS  
GS PAYLOADS  
. SPACE SHUTTLE PAYLOADS  
. OSTA-3 PAYLOAD  
RT REMOTE SENSING  
SPACE TRANSPORTATION SYSTEM  
SPACEBORNE EXPERIMENTS  
SPACECRAFT EQUIPMENT

## OSTEOPOROSIS

GS DISEASES  
. OSTEOPOROSIS  
RT BONE DEMINERALIZATION  
BONE MINERAL CONTENT  
BONES  
CALCIUM METABOLISM  
METABOLISM

OT-2  
USE ESSA 2 SATELLITE

OT-3  
USE ESSA 1 SATELLITE

OTF  
USE OPTICAL TRANSFER FUNCTION

## OTOLARYNGOLOGY

GS MEDICAL SCIENCE  
. OTOLARYNGOLOGY  
RT EAR

## OTOLITH ORGANS

GS ANATOMY  
. SENSE ORGANS  
. EAR  
. LABYRINTH  
. OTOLITH ORGANS  
. GRAVIRECEPTORS  
. OTOLITH ORGANS  
RECEPTORS (PHYSIOLOGY)  
. GRAVIRECEPTORS  
. OTOLITH ORGANS  
RT OCULOGRAVIC ILLUSIONS  
ORBITING FROG OTOLITH  
SEMICIRCULAR CANALS  
VERTICAL PERCEPTION

## OTOLOGY

GS MEDICAL SCIENCE  
. OTOLOGY  
RT EAR

## OTS (ESA)

UF ORBITAL TEST SATELLITE (ESA)  
GS ARTIFICIAL SATELLITES  
. ESA SATELLITES  
. OTS (ESA)  
ESA SPACECRAFT  
. ESA SATELLITES  
. OTS (ESA)  
RT EUROPEAN COMMUNICATIONS  
SATELLITE  
EUROPEAN SPACE PROGRAMS

## OTTO CYCLE

GS CYCLES  
. THERMODYNAMIC CYCLES  
. OTTO CYCLE  
RT RANKINE CYCLE

OTV  
USE ORBIT TRANSFER VEHICLES

## OUTCROPS

RT FOLDS (GEOLOGY)  
FORMATIONS  
GEOLOGY

## OUTER BANKS (NC)

GS LANDFORMS  
. BARRIERS (LANDFORMS)

# OUTER BANKS (NC)-(CONT.)

RT . . . OUTER BANKS (NC)  
ATLANTIC OCEAN  
ISLANDS  
NORTH CAROLINA

## OUTER PLANET MISSIONS

USE GRAND TOURS

## OUTER PLANET SPACECRAFT

USE OUTER PLANETS EXPLORERS

## OUTER PLANETS EXPLORERS

UF OUTER PLANET SPACECRAFT  
PLANETARY EXPLORER  
RT DELTA LAUNCH VEHICLE  
EXPLORER SATELLITES  
FLYBY MISSIONS  
GRAND TOURS  
INTERPLANETARY FLIGHT  
MARS PROBES  
∞ SPACECRAFT  
TOPS (SPACECRAFT)  
VENUS PROBES

## OUTER RADIATION BELT

GS PARTICLES  
. CHARGED PARTICLES  
. . . MAGNETICALLY TRAPPED PARTICLES  
. . . RADIATION BELTS  
. . . . OUTER RADIATION BELT  
. TRAPPED PARTICLES  
. . . MAGNETICALLY TRAPPED PARTICLES  
. . . RADIATION BELTS  
. . . . OUTER RADIATION BELT  
RT ARTIFICIAL RADIATION BELTS  
INNER RADIATION BELT  
PROTON BELTS  
∞ RADIATION

## OUTER SPACE TREATY

GS FOREIGN POLICY  
. INTERNATIONAL RELATIONS  
. . . INTERNATIONAL COOPERATION  
. . . . OUTER SPACE TREATY  
RT CONVENTIONS  
INTERNATIONAL LAW  
RESEARCH AND DEVELOPMENT  
RESOURCE ALLOCATION  
SPACE LAW

## OUTGASSING

RT DEGASSING  
DESORPTION  
EVOLUTION (LIBERATION)  
GAS EVOLUTION  
PURGING  
RESIDUAL GAS  
TRANSPIRATION  
VACUUM  
VACUUM PUMPS

## OUTLET FLOW

GS FLUID FLOW  
. . . . . OUTLET FLOW  
RT CASCADE FLOW  
CHANNEL FLOW  
∞ FLOW  
FLOW CHARACTERISTICS  
NOZZLE FLOW

## OUTLETS

GS OUTLETS  
. VENTS  
RT APERTURES  
CAVITIES  
∞ DISCHARGE  
DOORS  
DUCTS  
EGRESS  
EXHAUST NOZZLES  
EXHAUST SYSTEMS  
GATES (OPENINGS)  
∞ NOZZLES  
OPENINGS  
OUTPUT  
PIPE NOZZLES  
PLUGS  
PORTS (OPENINGS)  
∞ TERMINALS

## OUTLETS (GEOLOGY)

USE ESTUARIES

## OUTLIERS (LANDFORMS)

UF KLIPPEN  
GS LANDFORMS  
. . . . . OUTLIERS (LANDFORMS)  
RT FORMATIONS  
ROCKS  
SOIL EROSION

## OUTLIERS (STATISTICS)

RT MATHEMATICAL MODELS  
PROBABILITY THEORY  
STATISTICAL ANALYSIS  
STATISTICAL DISTRIBUTIONS  
STATISTICAL TESTS

## OUTPUT

UF DUMMY LOADS  
GS OUTPUT  
. LASER OUTPUTS  
. MASER OUTPUTS  
RT ∞ CAPACITY  
CATCHERS  
COMPUTER SYSTEMS PERFORMANCE  
DELIVERY  
EFFLUX  
INPUT  
OUTLETS  
∞ PERFORMANCE  
POWER CONDITIONING  
PRINTOUTS  
∞ PRODUCTION  
PRODUCTS  
READOUT  
SUPPLYING  
TRACKING PROBLEM  
TRANSFER FUNCTIONS  
TRANSMISSION  
YIELD

## OV-1 AIRCRAFT

UF AO-1 AIRCRAFT  
GRUMMAN OV-1C AIRCRAFT  
MOHAWK AIRCRAFT  
GS GRUMMAN AIRCRAFT  
. . . . . OV-1 AIRCRAFT  
JET AIRCRAFT  
. TURBOPROP AIRCRAFT  
. . . . . OV-1 AIRCRAFT  
MONOPLANES  
. . . . . OV-1 AIRCRAFT  
OBSERVATION AIRCRAFT  
. . . . . OV-1 AIRCRAFT  
RT ∞ AIRCRAFT

## OV-1 SATELLITES

GS ARTIFICIAL SATELLITES  
. SCIENTIFIC SATELLITES  
. . . . . OV-1 SATELLITES  
RT GRAVITY GRADIENT SATELLITES  
SPIN STABILIZATION

## OV-2 SATELLITES

GS ARTIFICIAL SATELLITES  
. SCIENTIFIC SATELLITES  
. . . . . OV-2 SATELLITES  
RT GRAVITY GRADIENT SATELLITES  
SPIN STABILIZATION

## OV-3 SATELLITES

GS ARTIFICIAL SATELLITES  
. SCIENTIFIC SATELLITES  
. . . . . OV-3 SATELLITES  
RT GRAVITY GRADIENT SATELLITES  
SPIN STABILIZATION

## OV-4 SATELLITES

GS ARTIFICIAL SATELLITES  
. SCIENTIFIC SATELLITES  
. . . . . OV-4 SATELLITES  
RT GRAVITY GRADIENT SATELLITES  
SPIN STABILIZATION

## OV-5 SATELLITES

GS ARTIFICIAL SATELLITES  
. SCIENTIFIC SATELLITES  
. . . . . OV-5 SATELLITES  
RT GRAVITY GRADIENT SATELLITES  
SPIN STABILIZATION

## OV-10 AIRCRAFT

UF NA-300 AIRCRAFT  
GS ATTACK AIRCRAFT  
. . . . . OV-10 AIRCRAFT  
COIN AIRCRAFT

## OV-10 AIRCRAFT-(CONT.)

. . . . . OV-10 AIRCRAFT  
JET AIRCRAFT  
. TURBOPROP AIRCRAFT  
. . . . . OV-10 AIRCRAFT  
MONOPLANES  
. . . . . OV-10 AIRCRAFT  
NORTH AMERICAN AIRCRAFT  
. . . . . OV-10 AIRCRAFT  
OBSERVATION AIRCRAFT  
. . . . . OV-10 AIRCRAFT  
RECONNAISSANCE AIRCRAFT  
. . . . . OV-10 AIRCRAFT  
RT ∞ AIRCRAFT

## OVARIES

GS ANATOMY  
. GENITOURINARY SYSTEM  
. . . REPRODUCTIVE SYSTEMS  
. . . . . SEX GLANDS  
. . . . . GONADS  
. . . . . OVARIES  
. . . . . GLANDS (ANATOMY)  
. . . . . ENDOCRINE GLANDS  
. . . . . GONADS  
. . . . . OVARIES  
. . . . . SEX GLANDS  
. . . . . GONADS  
. . . . . OVARIES  
RT EGGS  
MENSTRUATION  
∞ REPRODUCTION

## OVENS

GS HEATING EQUIPMENT  
. . . . . OVENS  
RT BAKING  
DRY HEAT  
FURNACES  
WASTE ENERGY UTILIZATION

## OVER-THE-HORIZON RADAR

GS RADAR  
. SEARCH RADAR  
. . . . . OVER-THE-HORIZON RADAR  
RT EARLY WARNING SYSTEMS  
MOVING TARGET INDICATORS  
OPTICAL RADAR  
RADAR DETECTION  
RADAR RANGE

## OVERCAST

USE CLOUD COVER

## OVERCOMPRESSION

USE OVERCONSOLIDATION

## OVERCONSOLIDATION

UF OVERCOMPRESSION  
RT CONSOLIDATION  
FOUNDATIONS

## OVERHAUSER EFFECT

RT ∞ EFFECTS  
MAGNETIC RESONANCE  
NUCLEAR SPIN  
∞ POLARIZATION  
RESONANCE

## OVERPRESSURE

GS PRESSURE  
. . . . . OVERPRESSURE  
RT BLAST LOADS  
DYNAMIC PRESSURE

## OVERTONES

USE HARMONICS

## OVERVOLTAGE

RT CIRCUIT PROTECTION  
DECOMPOSITION  
ELECTRIC POTENTIAL  
GEIGER COUNTERS  
OPEN CIRCUIT VOLTAGE  
POLARIZATION (CHARGE SEPARATION)  
SURGES

## OXALATES

GS OXALATES  
. COBALT OXALATES  
RT OXALIC ACID  
∞ OXYGEN COMPOUNDS

## OXALIC ACID

### OXALIC ACID

- GS ACIDS
  - . CARBOXYLIC ACIDS
  - . **OXALIC ACID**
- ORGANIC COMPOUNDS
  - . CARBOXYLIC ACIDS
  - . **OXALIC ACID**
- RT OXALATES

### OXAMIC ACIDS

- GS ACIDS
  - . CARBOXYLIC ACIDS
  - . **OXAMIC ACIDS**
- NITROGEN COMPOUNDS
  - . AMIDES
  - . **OXAMIC ACIDS**
- ORGANIC COMPOUNDS
  - . CARBOXYLIC ACIDS
  - . **OXAMIC ACIDS**

### OXAZOLE

- GS ORGANIC COMPOUNDS
  - . CYCLIC COMPOUNDS
  - . HETEROCYCLIC COMPOUNDS
  - . AZOLES
  - . **OXAZOLE**

### OXIDASE

- GS ACIDS
  - . **OXIDASE**
- BIOPOLYMERS
  - . PROTEINS
  - . ENZYMES
  - . **OXIDASE**
- ORGANIC COMPOUNDS
  - . PROTEINS
  - . ENZYMES
  - . **OXIDASE**

### OXIDATION

- GS CHEMICAL REACTIONS
  - . **OXIDATION**
  - . ELECTROCHEMICAL OXIDATION
  - . PHOTOOXIDATION
  - . RUSTING
- RT ASSOCIATION REACTIONS
  - . CHARRING
  - . CHEMICAL ATTACK
  - . COMBUSTION
  - . COMBUSTION CHEMISTRY
  - . CORROSION
  - . DEGRADATION
  - . DEHYDROGENATION
  - . DOPA
  - . ELECTRON TRANSFER
  - . EPOXIDATION
  - . EROSION BURNING
  - . FUEL COMBUSTION
  - . HOT CORROSION
  - . HYDROCARBON COMBUSTION
  - . METAL COMBUSTION
  - . OXIDIZERS
  - . OXYGENATION
  - . PASSIVITY
  - . REDUCTION (CHEMISTRY)
  - . ROASTING
  - . THERMAL RESISTANCE

### OXIDATION RESISTANCE

- GS CORROSION RESISTANCE
  - . **OXIDATION RESISTANCE**
- RT PASSIVITY
  - . RESISTANCE
  - . RUSTING
  - . SILICONIZING
  - . THERMAL RESISTANCE

### OXIDATION-REDUCTION REACTIONS

- GS CHEMICAL REACTIONS
  - . **OXIDATION-REDUCTION REACTIONS**
- RT ELECTROCHEMISTRY
  - . REDUCTION (CHEMISTRY)

### OXIDE FILMS

- RT CATHODIC COATINGS
  - . FILMS
  - . METAL OXIDES
  - . METAL SURFACES
  - . SURFACE LAYERS
  - . THIN FILMS

### OXIDES

- GS CHALCOGENIDES
  - . **OXIDES**
  - . ANHYDRIDES

## OXIDES-(CONT.)

- . . . PEROXIDES
- . . . INORGANIC PEROXIDES
- . . . ORGANIC PEROXIDES
- . . . SODIUM PEROXIDES
- . . . BORON OXIDES
- . . . BRUCITE
- . . . CARBON MONOXIDE
- . . . CARBON SUBOXIDES
- . . . CHLORINE OXIDES
- . . . DIOXIDES
- . . . CARBON DIOXIDE
- . . . FLINT
- . . . HYDROGEN PEROXIDE
- . . . SILICON DIOXIDE
- . . . QUARTZ
- . . . COESITE
- . . . STISHOVITE
- . . . SULFUR DIOXIDES
- . . . GERMANIUM OXIDES
- . . . HEAVY WATER
- . . . METAL OXIDES
- . . . ALKALINE EARTH OXIDES
- . . . BARIUM OXIDES
- . . . BERYLLIUM OXIDES
- . . . CALCIUM OXIDES
- . . . AKERMANITE
- . . . MAGNESIUM OXIDES
- . . . AKERMANITE
- . . . PERICLASE
- . . . ALUMINUM OXIDES
- . . . SAPPHIRE
- . . . BISMUTH OXIDES
- . . . CERIUM OXIDES
- . . . CESIUM OXIDES
- . . . CHROMIUM OXIDES
- . . . COBALT OXIDES
- . . . COPPER OXIDES
- . . . GALLIUM OXIDES
- . . . HAFNIUM OXIDES
- . . . IRON OXIDES
- . . . HEMATITE
- . . . ILMENITE
- . . . MAGNETITE
- . . . LANTHANUM OXIDES
- . . . LEAD OXIDES
- . . . LITHIUM OXIDES
- . . . MANGANESE OXIDES
- . . . HOPCALITE (TRADEMARK)
- . . . MERCURY OXIDES
- . . . MIXED OXIDES
- . . . MOLYBDENUM OXIDES
- . . . NICKEL OXIDES
- . . . NIOBIUM OXIDES
- . . . PLATINUM OXIDES
- . . . PLUTONIUM OXIDES
- . . . POTASSIUM OXIDES
- . . . SCANDIUM OXIDES
- . . . SILVER OXIDES
- . . . SODIUM PEROXIDES
- . . . TANTALUM OXIDES
- . . . THORIUM OXIDES
- . . . TIN OXIDES
- . . . TITANIUM OXIDES
- . . . ANATASE
- . . . ILMENITE
- . . . RUTILE
- . . . TUNGSTEN OXIDES
- . . . SCHEELITE
- . . . URANIUM OXIDES
- . . . VANADIUM OXIDES
- . . . YTTRIUM OXIDES
- . . . ZINC OXIDES
- . . . ZIRCONIUM OXIDES
- . . . NITROGEN OXIDES
- . . . NITRIC OXIDE
- . . . NITROGEN DIOXIDE
- . . . NITROGEN TETROXIDE
- . . . NITROUS OXIDES
- . . . PHOSPHORUS OXIDES
- . . . PYROXENES
- . . . ENSTATITE
- . . . SELENIUM OXIDES
- . . . SILICON OXIDES
- . . . MUSCOVITE
- . . . NEPHELINE
- . . . SILICON DIOXIDE
- . . . QUARTZ
- . . . COESITE
- . . . STISHOVITE
- . . . SPODUMENE
- . . . SULFUR OXIDES
- . . . SULFUR DIOXIDES
- RT ANODIC COATINGS
- CATHODIC COATINGS
- ETHYLENE OXIDE

## OXIDES-(CONT.)

- EUXENITE
- INSULATION
- METAL COATINGS
- NIOBATES
- NONFLAMMABLE MATERIALS
- . . . OXYGEN COMPOUNDS
- WATER

### OXIDIZERS

- GS **OXIDIZERS**
  - . HIGH ENERGY OXIDIZERS
  - . LIQUID OXIDIZERS
  - . LIQUID OXYGEN
  - . PHOTOCHEMICAL OXIDANTS
  - . ROCKET OXIDIZERS
  - . FLOX
  - . TAGN
- RT . . . AGENTS
- AIR POLLUTION
- FLUORINE
- FUELS
- NITRAMINE PROPELLANTS
- OXIDATION

### OXIMETRY

- RT BIOCHEMICAL OXYGEN DEMAND
- BLOOD
- HYPEROXIA
- HYPOXIA
- OXYGEN CONSUMPTION

### OXYACETYLENE

- GS ORGANIC COMPOUNDS
  - . HYDROCARBONS
  - . ALIPHATIC HYDROCARBONS
  - . ALKYNES
  - . **OXYACETYLENE**
- RT ACETYLENE
- DETONABLE GAS MIXTURES
- . . . OXYGEN COMPOUNDS

### OXYALKYLATION

- USE ALKYLATION

### OXYFLUORIDES

- GS HALOGEN COMPOUNDS
  - . FLUORINE COMPOUNDS
  - . FLUORIDES
  - . **OXYFLUORIDES**
  - . HALIDES
  - . FLUORIDES
  - . **OXYFLUORIDES**
- RT . . . OXYGEN COMPOUNDS

### OXYGEN

- GS CHEMICAL ELEMENTS
  - . **OXYGEN**
  - . LIQUID OXYGEN
  - . OXYGEN ISOTOPES
  - . . . OXYGEN 17
  - . . . OXYGEN 18
- GASES
  - . **OXYGEN**
  - . LIQUID OXYGEN
  - . OXYGEN ISOTOPES
  - . . . OXYGEN 17
  - . . . OXYGEN 18
- RT CHLORELLA
- HIGH PRESSURE OXYGEN
- OXYGEN ATOMS
- OXYGEN IONS
- OXYGEN PLASMA
- OZONE
- REACTION BONDING
- SCHUMANN-RUNGE BANDS
- SIALON

### OXYGEN AFTERGLOW

- GS AFTERGLOWS
- . **OXYGEN AFTERGLOW**

### OXYGEN ANALYZERS

- UF OXYGEN DETECTORS
- GS MEASURING INSTRUMENTS
- . **OXYGEN ANALYZERS**
- RT GAS ANALYSIS

### OXYGEN ATOMS

- GS ATOMS
- . **OXYGEN ATOMS**
- RT OXYGEN

- OXYGEN BREATHING**  
RT ∞ BREATHING
- ∞ **OXYGEN COMPOUNDS**  
SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
RT ACIDS  
ALUMINATES  
ARSENATES  
BORATES  
BROMATES  
CARBOHYDRATES  
CARBON SUBOXIDES  
CARBONATES  
∞ CHEMICAL COMPOUNDS  
CHLORATES  
CHROMATES  
GERMANIUM OXIDES  
NIOBATES  
OXALATES  
OXIDES  
OXYACETYLENE  
OXYFLUORIDES  
OXYGEN FLUORIDES  
OZONATES  
OZONE FLUORIDE  
OZONIDES  
STANNATES
- OXYGEN CONSUMPTION**  
GS CONSUMPTION  
RT **OXYGEN CONSUMPTION**  
BIOCHEMICAL OXYGEN DEMAND  
HYPEROXIA  
HYPOXIA  
METABOLISM  
OXIMETRY
- OXYGEN DEFICIENCY**  
USE HYPOXIA
- OXYGEN DETECTORS**  
USE OXYGEN ANALYZERS
- OXYGEN FLUORIDES**  
GS HALOGEN COMPOUNDS  
FLUORINE COMPOUNDS  
FLUORIDES  
∞ **OXYGEN FLUORIDES**  
HALIDES  
FLUORIDES  
∞ **OXYGEN FLUORIDES**  
RT ∞ OXYGEN COMPOUNDS
- OXYGEN IONS**  
GS IONS  
RT **OXYGEN IONS**  
FREE RADICALS  
NEGATIVE IONS  
OXYGEN
- OXYGEN ISOTOPES**  
GS CHEMICAL ELEMENTS  
NUCLIDES  
ISOTOPES  
∞ **OXYGEN ISOTOPES**  
OXYGEN 18  
OXYGEN  
∞ **OXYGEN ISOTOPES**  
OXYGEN 17  
OXYGEN 18  
GASES  
OXYGEN  
∞ **OXYGEN ISOTOPES**  
OXYGEN 17  
OXYGEN 18
- OXYGEN MASKS**  
GS BREATHING APPARATUS  
∞ **OXYGEN MASKS**  
MASKS  
OXYGEN MASKS  
OXYGEN SUPPLY EQUIPMENT  
OXYGEN MASKS  
RT HIGH ALTITUDE BREATHING  
LIFE SUPPORT SYSTEMS  
PORTABLE LIFE SUPPORT SYSTEMS
- OXYGEN METABOLISM**  
GS METABOLISM  
OXYGEN METABOLISM  
RT HYDROGEN METABOLISM  
RESPIRATION
- OXYGEN PLASMA**  
GS PARTICLES  
CHARGED PARTICLES  
ENERGETIC PARTICLES  
PLASMAS (PHYSICS)  
∞ **OXYGEN PLASMA**  
RT ARGON PLASMA  
HELIUM PLASMA  
HYDROGEN PLASMA  
OXYGEN
- OXYGEN PRODUCTION**  
RT CLOSED ECOLOGICAL SYSTEMS  
GAS EXCHANGE
- OXYGEN RECOMBINATION**  
GS CHEMICAL REACTIONS  
ATOMIC RECOMBINATION  
∞ **OXYGEN RECOMBINATION**  
RECOMBINATION REACTIONS  
ATOMIC RECOMBINATION  
∞ **OXYGEN RECOMBINATION**  
RT IONIZATION
- OXYGEN REGULATORS**  
GS REGULATORS  
∞ **OXYGEN REGULATORS**  
RT FLOW REGULATORS  
PRESSURE REGULATORS
- OXYGEN SPECTRA**  
GS SPECTRA  
RT **OXYGEN SPECTRA**  
AIRGLOW  
HERZBERG BANDS  
MOLECULAR SPECTRA  
SOLAR SPECTRA
- OXYGEN SUPPLY EQUIPMENT**  
UF OXYGEN SYSTEMS  
GS **OXYGEN SUPPLY EQUIPMENT**  
OXYGEN MASKS  
RT AEPS  
AIR CONDITIONING EQUIPMENT  
BREATHING APPARATUS  
CABIN ATMOSPHERES  
COMPRESSED AIR  
CONTROLLED ATMOSPHERES  
EMERGENCY LIFE SUSTAINING  
SYSTEMS  
LIFE SUPPORT SYSTEMS  
PRESSURIZED CABINS  
SURVIVAL EQUIPMENT
- OXYGEN SYSTEMS**  
USE OXYGEN SUPPLY EQUIPMENT
- OXYGEN TENSION**  
GS PRESSURE  
PARTIAL PRESSURE  
∞ **OXYGEN TENSION**  
HYPOXEMIA
- OXYGEN TOXICITY**  
USE HYPEROXIA
- OXYGEN 17**  
GS CHEMICAL ELEMENTS  
OXYGEN  
OXYGEN ISOTOPES  
∞ **OXYGEN 17**  
GASES  
OXYGEN  
OXYGEN ISOTOPES  
∞ **OXYGEN 17**
- OXYGEN 18**  
GS CHEMICAL ELEMENTS  
NUCLIDES  
ISOTOPES  
OXYGEN ISOTOPES  
∞ **OXYGEN 18**  
OXYGEN  
OXYGEN ISOTOPES  
∞ **OXYGEN 18**  
GASES  
OXYGEN  
OXYGEN ISOTOPES  
∞ **OXYGEN 18**
- OXYGENATION**  
GS CHEMICAL REACTIONS  
OXYGENATION  
RT AERATION
- OXYGENATION-(CONT.)**  
DISSOLVED GASES  
OXIDATION
- OXYHALIDES**  
GS HALOGEN COMPOUNDS  
HALIDES  
∞ **OXYHALIDES**
- OXYHEMOGLOBIN**  
GS BIOPOLYMERS  
PROTEINS  
HEMOGLOBIN  
∞ **OXYHEMOGLOBIN**  
ORGANIC COMPOUNDS  
PROTEINS  
HEMOGLOBIN  
∞ **OXYHEMOGLOBIN**  
ORGANOMETALLIC COMPOUNDS  
HEMOGLOBIN  
∞ **OXYHEMOGLOBIN**  
RT ERYTHROCYTES
- OXYNITRIDES**  
GS NITROGEN COMPOUNDS  
NITRIDES  
∞ **OXYNITRIDES**  
RT ∞ CHEMICAL COMPOUNDS  
∞ GROUP 5A COMPOUNDS
- OZONATES**  
RT ∞ OXYGEN COMPOUNDS  
OZONE
- OZONE**  
GS GASES  
OZONE  
RT HALOGEN OCCULTATION EXPERIMENT  
OXYGEN  
OZONATES  
OZONE FLUORIDE  
OZONIDES  
OZONOMETRY  
PHOTOCHEMICAL OXIDANTS  
SAGE SATELLITE  
SOLAR MESOSPHERE EXPLORER
- OZONE DEPLETION**  
UF OZONE HOLE  
GS DEPLETION  
OZONE DEPLETION  
RT AIR POLLUTION  
ATMOSPHERIC COMPOSITION  
CHLOROFLUOROMETHANE  
OZONOMETRY  
OZONOSPHERE
- OZONE FLUORIDE**  
GS HALOGEN COMPOUNDS  
FLUORINE COMPOUNDS  
FLUORIDES  
∞ **OZONE FLUORIDE**  
HALIDES  
FLUORIDES  
∞ **OZONE FLUORIDE**  
RT ∞ OXYGEN COMPOUNDS  
OZONE
- OZONE HOLE**  
USE OZONE DEPLETION
- OZONE LAYER**  
USE OZONOSPHERE
- OZONIDES**  
RT ∞ OXYGEN COMPOUNDS  
OZONE
- OZONOMETRY**  
GS CHEMICAL TESTS  
CHEMICAL ANALYSIS  
GAS ANALYSIS  
∞ **OZONOMETRY**  
RT OZONE  
OZONE DEPLETION
- OZONOSPHERE**  
UF OZONE LAYER  
GS EARTH ATMOSPHERE  
MIDDLE ATMOSPHERE  
STRATOSPHERE  
∞ **OZONOSPHERE**  
RT CHEMOSPHERE  
HOMOSPHERE

## P BAND

**OZONOSPHERE-(CONT.)**  
 OZONE DEPLETION  
 UMKHR EFFECT  
 UPPER ATMOSPHERE

## P

### P BAND

SN (225 TO 390 MHZ)  
 GS FREQUENCIES  
 . RADIO FREQUENCIES  
 . . MICROWAVE FREQUENCIES  
 . . . **P BAND**  
 . . . ULTRAHIGH FREQUENCIES  
 . . . **P BAND**  
 . . . VERY HIGH FREQUENCIES  
 . . . **P BAND**

### P WAVES

GS ELASTIC WAVES  
 . **P WAVES**  
 RT COMPRESSIBLE FLUIDS  
 COMPRESSION WAVES  
 CRUSTAL FRACTURES  
 DILATATIONAL WAVES  
 S WAVES  
 SEISMIC WAVES  
 SURFACE WAVES

### P.A.C.M. TELEMETRY

SN (PULSE AMPLITUDE CODE MODULATION)  
 GS TELECOMMUNICATION  
 . TELEMETRY  
 . . **P.A.C.M. TELEMETRY**  
 TRANSMISSION  
 . SIGNAL TRANSMISSION  
 . . TELEMETRY  
 . . . **P.A.C.M. TELEMETRY**  
 RT AMPLITUDE MODULATION  
 COMMUNICATION EQUIPMENT  
 DIFFERENTIAL PULSE CODE  
 MODULATION  
 MODULATION  
 PULSE AMPLITUDE MODULATION  
 PULSE CODE MODULATION

### P-I-N DIODES

USE DIODES  
 P-I-N JUNCTIONS

### P-I-N JUNCTIONS

UF P-I-N DIODES  
 GS SEMICONDUCTOR JUNCTIONS  
 . **P-I-N JUNCTIONS**  
 RT DIODES  
 SOLAR CELLS

### P-N JUNCTIONS

UF N-P JUNCTIONS  
 GS SEMICONDUCTOR JUNCTIONS  
 . **P-N JUNCTIONS**  
 RT SIS (SEMICONDUCTORS)

### P-N-P JUNCTIONS

GS SEMICONDUCTOR JUNCTIONS  
 . **P-N-P JUNCTIONS**

### P-N-P-N JUNCTIONS

GS SEMICONDUCTOR JUNCTIONS  
 . **P-N-P-N JUNCTIONS**  
 RT  $\infty$  JUNCTIONS  
 LATCH-UP  
 THYRISTORS

### P-TYPE SEMICONDUCTORS

GS SEMICONDUCTORS (MATERIALS)  
 . **P-TYPE SEMICONDUCTORS**  
 RT HOLES (ELECTRON DEFICIENCIES)  
 SEMICONDUCTOR JUNCTIONS

### P-1 ENGINE

GS ENGINES  
 . ROCKET ENGINES  
 . . BOOSTER ROCKET ENGINES  
 . . . **P-1 ENGINE**  
 . . . SOLID PROPELLANT ROCKET  
 ENGINES  
 . . . **P-1 ENGINE**

### P-3 AIRCRAFT

UF ORION AIRCRAFT  
 P3V AIRCRAFT  
 GS ANTISUBMARINE WARFARE AIRCRAFT  
 . **P-3 AIRCRAFT**  
 JET AIRCRAFT  
 . **P-3 AIRCRAFT**  
 LOCKHEED AIRCRAFT  
 . **P-3 AIRCRAFT**  
 MONOPLANES  
 . **P-3 AIRCRAFT**  
 RT  $\infty$  AIRCRAFT  
 TURBOPROP ENGINES

### P-51 AIRCRAFT

UF MUSTANG AIRCRAFT  
 GS ATTACK AIRCRAFT  
 . FIGHTER AIRCRAFT  
 . . **P-51 AIRCRAFT**  
 MONOPLANES  
 . **P-51 AIRCRAFT**  
 NORTH AMERICAN AIRCRAFT  
 . **P-51 AIRCRAFT**  
 SINGLE ENGINE AIRCRAFT  
 . **P-51 AIRCRAFT**  
 RT  $\infty$  AIRCRAFT

### P-84 AIRCRAFT

USE JET PROVOST AIRCRAFT

### P-160 AIRCRAFT

UF ME P-160 AIRCRAFT  
 MESSERSCHMITT ME P-160 AIRCRAFT  
 GS COMMERCIAL AIRCRAFT  
 . **P-160 AIRCRAFT**  
 PASSENGER AIRCRAFT  
 . **P-160 AIRCRAFT**  
 TRANSPORT AIRCRAFT  
 . CARGO AIRCRAFT  
 . **P-160 AIRCRAFT**  
 RT  $\infty$  AIRCRAFT

### P-166 AIRCRAFT

UF PIAGGIO P-166 AIRCRAFT  
 GS LIGHT AIRCRAFT  
 . **P-166 AIRCRAFT**  
 MONOPLANES  
 . **P-166 AIRCRAFT**  
 PASSENGER AIRCRAFT  
 . **P-166 AIRCRAFT**  
 PIAGGIO AIRCRAFT  
 . **P-166 AIRCRAFT**  
 TRANSPORT AIRCRAFT  
 . CARGO AIRCRAFT  
 . **P-166 AIRCRAFT**  
 RT  $\infty$  AIRCRAFT

### P-308 AIRCRAFT

UF ME P-308 AIRCRAFT  
 MESSERSCHMITT ME P-308 AIRCRAFT  
 GS ATTACK AIRCRAFT  
 . **P-308 AIRCRAFT**  
 JET AIRCRAFT  
 . **P-308 AIRCRAFT**  
 MONOPLANES  
 . **P-308 AIRCRAFT**  
 RT  $\infty$  AIRCRAFT

### P-531 HELICOPTER

UF SCOUT HELICOPTER  
 WESTLAND P-531 HELICOPTER  
 GS UTILITY AIRCRAFT  
 . **P-531 HELICOPTER**  
 V/STOL AIRCRAFT  
 . ROTARY WING AIRCRAFT  
 . . HELICOPTERS  
 . . . **P-531 HELICOPTER**  
 WESTLAND AIRCRAFT  
 . **P-531 HELICOPTER**  
 RT ANTISUBMARINE WARFARE AIRCRAFT  
 PASSENGER AIRCRAFT

### P-1052 AIRCRAFT

UF HAWKER P-1052 AIRCRAFT  
 GS HAWKER SIDDELEY AIRCRAFT  
 . **P-1052 AIRCRAFT**  
 JET AIRCRAFT  
 . **P-1052 AIRCRAFT**  
 MONOPLANES  
 . **P-1052 AIRCRAFT**  
 RESEARCH AIRCRAFT  
 . **P-1052 AIRCRAFT**  
 RT  $\infty$  AIRCRAFT

### P-1127 AIRCRAFT

UF HAWKER P-1127 AIRCRAFT  
 KESTREL AIRCRAFT  
 VZ-12 AIRCRAFT  
 XV-6A AIRCRAFT  
 GS ATTACK AIRCRAFT  
 . FIGHTER AIRCRAFT  
 . . **P-1127 AIRCRAFT**  
 HAWKER SIDDELEY AIRCRAFT  
 . **P-1127 AIRCRAFT**  
 JET AIRCRAFT  
 . TURBOFAN AIRCRAFT  
 . . **P-1127 AIRCRAFT**  
 MONOPLANES  
 . **P-1127 AIRCRAFT**  
 OBSERVATION AIRCRAFT  
 . **P-1127 AIRCRAFT**  
 RECONNAISSANCE AIRCRAFT  
 . **P-1127 AIRCRAFT**  
 SINGLE ENGINE AIRCRAFT  
 . **P-1127 AIRCRAFT**  
 V/STOL AIRCRAFT  
 . **P-1127 AIRCRAFT**  
 RT  $\infty$  AIRCRAFT  
 BRISTOL-SIDDELEY BS 53 ENGINE  
 HARRIER AIRCRAFT  
 TURBOFAN ENGINES

### P-1154 AIRCRAFT

UF HAWKER P-1154 AIRCRAFT  
 GS ATTACK AIRCRAFT  
 . FIGHTER AIRCRAFT  
 . . **P-1154 AIRCRAFT**  
 HAWKER SIDDELEY AIRCRAFT  
 . **P-1154 AIRCRAFT**  
 JET AIRCRAFT  
 . TURBOFAN AIRCRAFT  
 . . **P-1154 AIRCRAFT**  
 MONOPLANES  
 . **P-1154 AIRCRAFT**  
 OBSERVATION AIRCRAFT  
 . **P-1154 AIRCRAFT**  
 RECONNAISSANCE AIRCRAFT  
 . **P-1154 AIRCRAFT**  
 SINGLE ENGINE AIRCRAFT  
 . **P-1154 AIRCRAFT**  
 SUPERSONIC AIRCRAFT  
 . **P-1154 AIRCRAFT**  
 V/STOL AIRCRAFT  
 . **P-1154 AIRCRAFT**  
 RT  $\infty$  AIRCRAFT  
 TURBOFAN ENGINES

### PA-34 SENECA AIRCRAFT

UF SENECA AIRCRAFT  
 GS LIGHT AIRCRAFT  
 . PIPER AIRCRAFT  
 . . **PA-34 SENECA AIRCRAFT**  
 RT  $\infty$  AIRCRAFT  
 ATLIT PROJECT  
 GAW-1 AIRFOIL  
 GENERAL DYNAMICS AIRCRAFT

### PACE

USE PHYSICS AND CHEMISTRY EXPERIMENT  
 IN SPACE

### PACIFIC ISLANDS

GS LANDFORMS  
 . ISLANDS  
 . . **PACIFIC ISLANDS**  
 . . . GUAM  
 . . . JAPAN  
 . . . JOHNSTON ISLAND  
 . . . KURILE ISLANDS  
 . . . NEW GUINEA (ISLAND)  
 . . . NEW ZEALAND  
 . . . PHILIPPINES  
 . . . SAMOA

### PACIFIC NORTHWEST (US)

GS REGIONS  
 . **PACIFIC NORTHWEST (US)**  
 RT CANADA  
 UNITED STATES

### PACIFIC OCEAN

GS OCEANS  
 . **PACIFIC OCEAN**  
 RT BERING SEA  
 COASTAL RANGES (CA)  
 EL NINO  
 GULF OF ALASKA  
 GULF OF CALIFORNIA (MEXICO)  
 INDONESIA

**PACIFIC OCEAN-(CONT.)**

MONTEREY BAY (CA)  
SALTON SEA (CA)  
SAN FRANCISCO BAY (CA)  
SEA OF OKHOTSK  
SOUTHERN CALIFORNIA

**PACKAGES**

GS **PACKAGES**  
 . INSTRUMENT PACKAGES  
 . . APOLLO LUNAR SURFACE  
 . . . EXPERIMENTS PACKAGE  
 . . . EASEP  
 . . . EREP  
 RT BAGS  
 BOXES (CONTAINERS)  
 BUNDLES  
 CARTRIDGES  
 CASES (CONTAINERS)  
 . CONTAINERS  
 . . INSTRUMENTS  
 . . . PACKAGING

**PACKAGING**

GS **PACKAGING**  
 . ELECTRONIC PACKAGING  
 RT . CONTAINERS  
 . CORROSION PREVENTION  
 . ENCAPSULATING  
 . ENCLOSURE  
 . HAULING  
 . HOPPERS  
 . INHIBITORS  
 . MARKING  
 . MATERIALS HANDLING  
 . PACKAGES  
 . . PACKING  
 . . . PRESERVING  
 . . . SEALERS  
 . . . SPIRAL WRAPPING  
 . . . STORAGE  
 . . . TRANSPORTATION  
 . . . VERMICULITE  
 . . . WEATHERPROOFING  
 . . . WRAP

**PACKET SWITCHING**

GS SWITCHING  
 . **PACKET SWITCHING**  
 RT BEAM SWITCHING  
 . COMMUNICATION NETWORKS  
 . DATA TRANSMISSION  
 . INTERRUPTION  
 . MICROWAVE SWITCHING  
 . MULTIPLE ACCESS  
 . NETWORK CONTROL  
 . PACKET TRANSMISSION  
 . PACKETS (COMMUNICATION)  
 . PROTOCOL (COMPUTERS)  
 . RADIO TRANSMISSION  
 . SEQUENCING  
 . SIGNAL TRANSMISSION  
 . SWITCHING CIRCUITS  
 . SWITCHING THEORY  
 . TELECOMMUNICATION  
 . TIME DIVISION MULTIPLE ACCESS

**PACKET TRANSMISSION**

GS TELECOMMUNICATION  
 . **PACKET TRANSMISSION**  
 . . ALOHA SYSTEM  
 . TRANSMISSION  
 . . SIGNAL TRANSMISSION  
 . . . DATA TRANSMISSION  
 . . . . **PACKET TRANSMISSION**  
 . . . . . ALOHA SYSTEM  
 RT CHANNEL CAPACITY  
 . MESSAGE PROCESSING  
 . PACKET SWITCHING  
 . PACKETS (COMMUNICATION)  
 . SATELLITE COMMUNICATION  
 . SPACECRAFT COMMUNICATION  
 . TRANSMISSION EFFICIENCY

**PACKETS (COMMUNICATION)**

RT ALOHA SYSTEM  
 . COMMUNICATION NETWORKS  
 . DATA TRANSMISSION  
 . PACKET SWITCHING  
 . PACKET TRANSMISSION  
 . TRANSMISSION EFFICIENCY  
 . WAVE PACKETS

**PACKING**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
 RT PACKAGING  
 . PACKING DENSITY  
 . PACKINGS (SEALS)  
 . SEALING

**PACKING DENSITY**

GS DENSITY (NUMBER/VOLUME)  
 . **PACKING DENSITY**  
 . BRAVAIS CRYSTALS  
 . CRYSTAL STRUCTURE  
 . CRYSTALS  
 . . PACKING  
 . . . VOID RATIO

**PACKINGS (SEALS)**

GS SEALS (STOPPERS)  
 . **PACKINGS (SEALS)**  
 . BEARINGS  
 . GLANDS (SEALS)  
 . LABYRINTH SEALS  
 . . PACKING  
 . . . PUMPS  
 . . . SEALERS  
 . . . SEALING  
 . . . SHAFTS (MACHINE ELEMENTS)  
 . . . VALVES

**PAD**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
 RT CUSHIONS  
 . FOUNDATIONS  
 . LAUNCHING PADS

**PADDLES**

RT FOLDING STRUCTURES  
 . MIXERS  
 . SOLAR GENERATORS  
 . TURBOMACHINE BLADES

**PADE APPROXIMATION**

GS ANALYSIS (MATHEMATICS)  
 . CALCULUS  
 . . SERIES (MATHEMATICS)  
 . . . **PADE APPROXIMATION**  
 . . . NUMERICAL ANALYSIS  
 . . . APPROXIMATION  
 . . . . **PADE APPROXIMATION**  
 . . . . REAL VARIABLES  
 . . . . SERIES (MATHEMATICS)  
 . . . . . **PADE APPROXIMATION**

**PAGEOS SATELLITE**

GS ARTIFICIAL SATELLITES  
 . GEODETIC SATELLITES  
 . . **PAGEOS SATELLITE**  
 . . PASSIVE SATELLITES  
 . . . **PAGEOS SATELLITE**  
 RT EXPLORER 29 SATELLITE  
 . EXPLORER 36 SATELLITE  
 . GEOS 1 SATELLITE  
 . GEOS 2 SATELLITE  
 . GEOS 3 SATELLITE

**PAIN**

GS PERCEPTION  
 . SENSORY PERCEPTION  
 . . **PAIN**  
 RT ANALGESIA

**PAIN SENSITIVITY**

GS PERCEPTION  
 . SENSORY PERCEPTION  
 . . **PAIN SENSITIVITY**  
 . . SENSITIVITY  
 . . . **PAIN SENSITIVITY**

**PAINTS**

GS COATINGS  
 . **PAINTS**  
 RT FILLERS  
 . FINISHES  
 . METAL COATINGS  
 . PIGMENTS  
 . PRIMERS (COATINGS)  
 . PROTECTIVE COATINGS  
 . RUBBER COATINGS  
 . SEALERS  
 . SPRAYED COATINGS

**PAINTS-(CONT.)**

TURPENTINE  
 VARNISHES

**PAIR PRODUCTION**

GS PARTICLE PRODUCTION  
 . **PAIR PRODUCTION**  
 RT ELECTROMAGNETIC ABSORPTION  
 . ELECTRON EMISSION  
 . ELECTRON PHOTON CASCADES  
 . EMISSION  
 . HIGH ENERGY INTERACTIONS  
 . NUCLEAR REACTIONS  
 . PHOTOPRODUCTION  
 . POSITRON ANNIHILATION  
 . POSITRONS

**PAKISTAN**

GS NATIONS  
 . **PAKISTAN**  
 RT ASIA  
 . BANGLADESH  
 . HIMALAYAS

**PALAPA B SATELLITE**

USE PALAPA 2 SATELLITE

**PALAPA SATELLITES**

GS ARTIFICIAL SATELLITES  
 . COMMUNICATION SATELLITES  
 . . **PALAPA SATELLITES**  
 . . . PALAPA 2 SATELLITE  
 RT INDONESIAN SPACE PROGRAM  
 . INTERNATIONAL COOPERATION

**PALAPA 2 SATELLITE**

UF PALAPA B SATELLITE  
 GS ARTIFICIAL SATELLITES  
 . COMMUNICATION SATELLITES  
 . . PALAPA SATELLITES  
 . . . **PALAPA 2 SATELLITE**  
 RT INDONESIAN SPACE PROGRAM  
 . INTERNATIONAL COOPERATION

**PALEOBIOLOGY**

RT ARCHAEBACTERIA  
 . BIOLOGY  
 . . FOSSILS  
 . . GEOCHEMISTRY  
 . . GEOCHRONOLOGY  
 . . PALEONTOLOGY

**PALEOCLIMATOLOGY**

GS CLIMATOLOGY  
 . **PALEOCLIMATOLOGY**  
 RT CLIMATE  
 . CLIMATE CHANGE  
 . PALEONTOLOGY

**PALEOMAGNETISM**

GS MAGNETIC FIELDS  
 . **PALEOMAGNETISM**  
 . MAGNETIC PROPERTIES  
 . . **PALEOMAGNETISM**  
 RT ARCHAEOLOGY  
 . CONES (VOLCANOES)  
 . CONTINENTAL DRIFT  
 . GEOLOGY  
 . GEOMAGNETISM  
 . GEOPHYSICS  
 . MARS VOLCANOES  
 . REMANENCE  
 . ROCKS  
 . VOLCANOES  
 . VOLCANOLOGY

**PALEONTOLOGY**

RT ARCHAEBACTERIA  
 . FORMATIONS  
 . FOSSILS  
 . GEOCHEMISTRY  
 . GEOCHRONOLOGY  
 . GEOLOGICAL SURVEYS  
 . GEOLOGY  
 . HISTORIES  
 . PALEOBIOLOGY  
 . PALEOCLIMATOLOGY  
 . PRECAMBRIAN PERIOD  
 . STRATIGRAPHY

**PALLADIUM**

GS CHEMICAL ELEMENTS  
 . **PALLADIUM**  
 . METALS

## PALLADIUM ALLOYS

### PALLADIUM-(CONT.)

RT TRANSITION METALS  
PALLADIUM  
PALLADIUM ISOTOPES

### PALLADIUM ALLOYS

GS ALLOYS  
PALLADIUM ALLOYS

### PALLADIUM COMPOUNDS

RT CHEMICAL COMPOUNDS  
METALS  
TRANSITION METALS

### PALLADIUM ISOTOPES

GS CHEMICAL ELEMENTS  
NUCLIDES  
ISOTOPES  
PALLADIUM ISOTOPES  
PALLADIUM

### PALMAR SWEAT INDEX

RT PERSPIRATION  
STRESS (PHYSIOLOGY)  
STRESS (PSYCHOLOGY)

### PALMGREN-MINER RULE

UF MINER RULE  
GS RULES  
PALMGREN-MINER RULE  
RT FATIGUE LIFE

### PALMITIC ACID

GS ACIDS  
CARBOXYLIC ACIDS  
FATTY ACIDS  
PALMITIC ACID  
ORGANIC COMPOUNDS  
CARBOXYLIC ACIDS  
FATTY ACIDS  
PALMITIC ACID  
RT FATS

### PALO VERDE VALLEY (CA)

GS VALLEYS  
PALO VERDE VALLEY (CA)  
RT CALIFORNIA  
DESERTS

### PAM (MODULATION)

USE PULSE AMPLITUDE MODULATION

### PAMPAS

GS LAND  
PLAINS  
PAMPAS

### PANAMA

GS NATIONS  
PANAMA  
RT CANALS  
CENTRAL AMERICA

### PANAMA CANAL ZONE

GS LANDFORMS  
PANAMA CANAL ZONE  
REGIONS  
PANAMA CANAL ZONE  
RT CARIBBEAN SEA  
CENTRAL AMERICA  
UNITED STATES

### PANAVIA MILITARY AIRCRAFT

RT AIRCRAFT  
AIRCRAFT DESIGN  
FIGHTER AIRCRAFT  
MILITARY AIRCRAFT  
VARIABLE SWEEP WINGS  
WEAPON SYSTEMS

### PANCREAS

GS ANATOMY  
DIGESTIVE SYSTEM  
PANCREAS  
GLANDS (ANATOMY)  
ENDOCRINE GLANDS  
PANCREAS  
RT DIABETES MELLITUS  
GASTROINTESTINAL SYSTEM  
TRYPSIN

### PANEL FLUTTER

GS VIBRATION  
STRUCTURAL VIBRATION

### PANEL FLUTTER-(CONT.)

FLUTTER  
PANEL FLUTTER  
SELF INDUCED VIBRATION  
PANEL FLUTTER  
RT AERODYNAMIC NOISE  
AEROELASTICITY  
BENDING VIBRATION

### PANEL METHOD (FLUID DYNAMICS)

GS PROCEDURES  
PANEL METHOD (FLUID DYNAMICS)  
RT BERNOULLI THEOREM  
BOUNDARY LAYERS  
COMPUTATIONAL FLUID DYNAMICS  
FINITE ELEMENT METHOD  
FLOW  
FLOW THEORY  
FLUID DYNAMICS  
FLUX VECTOR SPLITTING  
GAS-SOLID INTERACTIONS  
METHODOLOGY  
TURBULENCE

### PANELS

SN (EXCLUDES GROUPS OF PEOPLE)  
GS PANELS  
CURVED PANELS  
RECTANGULAR PANELS  
WING PANELS  
RT BAFFLES  
CEILINGS (ARCHITECTURE)  
CONSTRUCTION MATERIALS  
DIVIDERS  
FLAT PLATES  
PLATES  
SHEETS  
SHIELDING  
THIN PLATES  
WALLS

### PANIC

RT EMOTIONAL FACTORS  
EMOTIONS  
FEAR  
HUMAN BEHAVIOR

### PANORAMIC CAMERAS

GS OPTICAL EQUIPMENT  
CAMERAS  
PANORAMIC CAMERAS  
PHOTOGRAPHIC EQUIPMENT  
CAMERAS  
PANORAMIC CAMERAS  
RT CAMERA SHUTTERS  
FOCUSING  
LENSES  
PHOTOGRAPHY  
WIDE ANGLE LENSES

### PANORAMIC SCANNING

GS SCANNING  
PANORAMIC SCANNING  
RT CONICAL SCANNING  
FREQUENCY SCANNING  
MULTISPECTRAL BAND SCANNERS  
RADAR SCANNING  
SCANNERS  
SEARCHING  
SURVEILLANCE

### PANSPERMIA

RT ABIOGENESIS  
AEROSPACE ENVIRONMENTS  
BACTERIA  
BIOLOGICAL EVOLUTION  
EXOBIOLGY  
EXTRATERRESTRIAL LIFE  
FUNGI

### PANT PROGRAM

UF ABLATED NOSETIPS  
PASSIVE NOSETIP TECHNOLOGY  
GS PROGRAMS  
PANT PROGRAM

### PANTAR CHONDRITES

GS CELESTIAL BODIES  
METEORITES  
STONY METEORITES  
CHONDRITES  
PANTAR CHONDRITES

### PANTHER AIRCRAFT

USE F-9 AIRCRAFT

### PAPAIN

GS BIOPOLYMERS  
PROTEINS  
ENZYMES  
PAPAIN  
ORGANIC COMPOUNDS  
PROTEINS  
ENZYMES  
PAPAIN  
RT PEPSIN

### PAPER (MATERIAL)

RT BOARDS (PAPER)  
KRAFT PROCESS (WOODPULP)  
MATERIALS  
ORGANIC MATERIALS  
WEBS (SHEETS)  
WOOD

### PAPER CHROMATOGRAPHY

GS CHEMICAL TESTS  
CHEMICAL ANALYSIS  
CHROMATOGRAPHY  
PAPER CHROMATOGRAPHY  
RT GAS CHROMATOGRAPHY  
LIQUID CHROMATOGRAPHY

### PAPERS

GS DOCUMENTS  
PAPERS  
RT BOARDS (PAPER)  
CONFERENCES  
FIBERS  
FILMS  
LAMINATES  
LITERATURE  
PRESIDENTIAL REPORTS  
PRIVACY  
REPORTS  
SHEETS  
WEBS (SHEETS)

### PAPILLAE

RT PROTUBERANCES

### PAPUA NEW GUINEA

GS NATIONS  
PAPUA NEW GUINEA  
RT ASIA  
AUSTRALIA  
NEW GUINEA (ISLAND)

### PARA HYDROGEN

GS GASES  
PARA HYDROGEN  
RT HYDROGEN  
ORTHO PARA CONVERSION

### PARABOLAS

GS GEOMETRY  
EUCLIDEAN GEOMETRY  
ANALYTIC GEOMETRY  
CONICS  
PARABOLAS

### PARABOLIC ANTENNAS

GS ANTENNAS  
DIRECTIONAL ANTENNAS  
REFLECTOR ANTENNAS  
PARABOLIC ANTENNAS  
RT ANTENNA DESIGN  
CASSEGRAIN ANTENNAS  
HORN ANTENNAS  
MICROWAVE ANTENNAS  
RADAR ANTENNAS  
RADAR EQUIPMENT  
RADAR REFLECTORS

### PARABOLIC BODIES

UF PARABOLOIDS  
GS SYMMETRICAL BODIES  
BODIES OF REVOLUTION  
PARABOLIC BODIES

### PARABOLIC DIFFERENTIAL EQUATIONS

GS ANALYSIS (MATHEMATICS)  
REAL VARIABLES  
DIFFERENTIAL EQUATIONS  
PARTIAL DIFFERENTIAL EQUATIONS  
PARABOLIC DIFFERENTIAL EQUATIONS

## PARAMETERIZATION

### PARABOLIC DIFFERENTIAL-(CONT.)

RT  $\infty$  EQUATIONS

### PARABOLIC FLIGHT

RT ASCENT TRAJECTORIES  
BALLISTIC TRAJECTORIES  
CLIMBING FLIGHT  
COASTING FLIGHT  
DESCENT TRAJECTORIES  
 $\infty$  FLIGHT  
MIDCOURSE TRAJECTORIES  
MISSILE TRAJECTORIES  
SUBORBITAL FLIGHT  
TRAJECTORIES  
WEIGHTLESSNESS  
WEIGHTLESSNESS SIMULATION

### PARABOLIC REFLECTORS

UF DISHES  
GS REFLECTORS  
. PARABOLIC REFLECTORS  
. PARABOLOID MIRRORS  
RT MICROWAVE ANTENNAS  
RADAR REFLECTORS  
REFLECTOR ANTENNAS  
SCHWARZSCHILD ANTENNAS  
SOLAR REFLECTORS

### PARABOLIC VELOCITY

USE ESCAPE VELOCITY

### PARABOLOID MIRRORS

GS MIRRORS  
. PARABOLOID MIRRORS  
REFLECTORS  
. PARABOLIC REFLECTORS  
. PARABOLOID MIRRORS  
RT REFLECTING TELESCOPES  
SOLAR REFLECTORS

### PARABOLOIDS

USE PARABOLIC BODIES

### PARACHUTE DESCENT

UF PARACHUTING  
GS DESCENT  
. PARACHUTE DESCENT  
RT BAILOUT  
EJECTION  
EJECTION TRAINING  
ESCAPE (ABANDONMENT)  
FREE FALL  
PARACHUTES

### PARACHUTE FABRICS

GS FABRICS  
. PARACHUTE FABRICS  
RT FORTISAN (TRADEMARK)  
GORES  
PARACHUTES

### PARACHUTES

GS PARACHUTES  
. DRAG CHUTES  
. RECOVERY PARACHUTES  
. RIBBON PARACHUTES  
. ROTOCHUTES  
RT AIR DROP OPERATIONS  
AIRDROPS  
BALLUTES  
BRAKES (FOR ARRESTING MOTION)  
FOLDING STRUCTURES  
PARACHUTE DESCENT  
PARACHUTE FABRICS  
PARACONE  
PARAVULCOONS  
PARAWINGS  
TOWED BODIES  
WHIRL TOWERS

### PARACHUTING

USE PARACHUTE DESCENT

### PARACHUTING INJURY

GS INJURIES  
. PARACHUTING INJURY

### PARACONE

RT ESCAPE CAPSULES  
ESCAPE SYSTEMS  
PARACHUTES

### PARADOXES

GS KNOWLEDGE

### PARADOXES-(CONT.)

. PHILOSOPHY  
. PARADOXES  
RT  $\infty$  LOGIC  
RELATIVITY

### PARAFFINS

GS ORGANIC COMPOUNDS  
. HYDROCARBONS  
. ALIPHATIC HYDROCARBONS  
. ALKANES  
. PARAFFINS  
. CERESIN  
RT HYDROCARBON FUELS  
KEROSENE  
SHALE OIL

### PARAGLIDERS

GS GLIDERS  
. PARAGLIDERS  
. INFLATABLE GLIDERS  
RT FOLDING STRUCTURES  
HYPERSONIC GLIDERS  
PARAWINGS  
 $\infty$  SUBSONIC AIRCRAFT

### PARAGUAY

GS NATIONS  
. PARAGUAY  
RT SOUTH AMERICA

### PARALLAX

GS PARALLAX  
. SOLAR PARALLAX  
. STELLAR PARALLAX  
RT ASTROMETRY  
COMPANION STARS  
 $\infty$  OPTICS

### PARALLEL COMPUTERS

GS DATA PROCESSING EQUIPMENT  
. COMPUTERS  
. DIGITAL COMPUTERS  
. PARALLEL COMPUTERS  
. MIMD (COMPUTERS)  
. SIMD (COMPUTERS)  
RT HYPERCUBE MULTIPROCESSORS

### PARALLEL FLOW

GS FLUID FLOW  
. PARALLEL FLOW  
. PIPE FLOW  
. THREE DIMENSIONAL FLOW  
RT FLOW GEOMETRY  
FLOW VELOCITY  
FLUID DYNAMICS  
LAMINAR FLOW  
STEADY FLOW

### PARALLEL PLATES

RT CAPACITORS  
 $\infty$  CHANNELS  
FLAT PLATES  
METAL PLATES  
 $\infty$  PLATES  
THIN PLATES  
WAVEGUIDES

### PARALLEL PROCESSING (COMPUTERS)

GS DATA PROCESSING  
. PARALLEL PROCESSING (COMPUTERS)  
RT ASSOCIATIVE PROCESSING  
(COMPUTERS)  
CONCURRENT PROCESSING  
HYPERCUBE MULTIPROCESSORS  
ILLIAC 3 COMPUTER  
ILLIAC 4 COMPUTER  
INTERPROCESSOR COMMUNICATION  
MIMD (COMPUTERS)  
SIMD (COMPUTERS)  
SUPERCOMPUTERS  
SYSTOLIC ARRAYS

### PARALLEL PROGRAMMING

GS SOFTWARE ENGINEERING  
. COMPUTER PROGRAMMING  
. PARALLEL PROGRAMMING  
RT MULTIPROCESSING (COMPUTERS)  
PIPELINING (COMPUTERS)

### PARALLEL STRIP LINES

USE MICROSTRIP TRANSMISSION LINES

### PARALLELEPIPEDS

GS GEOMETRY  
. EUCLIDEAN GEOMETRY  
. POLYHEDRONS  
. PARALLELEPIPEDS

### PARALLELOGRAMS

GS GEOMETRY  
. EUCLIDEAN GEOMETRY  
. POLYGONS  
. TETRAGONS  
. PARALLELOGRAMS  
. RHOMBOIDS

### PARALYSIS

GS DISEASES  
. PARALYSIS  
INJURIES  
RT TREMORS  
. PARALYSIS

### PARAMAGNETIC AMPLIFIERS

USE MASERS

### PARAMAGNETIC RESONANCE

GS RESONANCE  
. MAGNETIC RESONANCE  
. PARAMAGNETIC RESONANCE  
. ELECTRON PARAMAGNETIC  
RESONANCE  
RT ABSORPTION SPECTRA  
FERROMAGNETIC RESONANCE  
NUCLEAR MAGNETIC RESONANCE  
PARAMAGNETISM

### PARAMAGNETISM

GS MAGNETIC PROPERTIES  
. PARAMAGNETISM  
RT ANTIFERROMAGNETISM  
CURIE-WEISS LAW  
DIAMAGNETISM  
PARAMAGNETIC RESONANCE

### PARAMECIA

GS ANIMALS  
. PROTOZOA  
. PARAMECIA  
MICROORGANISMS  
. PROTOZOA  
. PARAMECIA

### PARAMETER IDENTIFICATION

GS ESTIMATING  
. PARAMETER IDENTIFICATION  
IDENTIFYING  
. PARAMETER IDENTIFICATION  
PARAMETERIZATION  
RT COMPLEX SYSTEMS  
CONTROL SYSTEMS DESIGN  
DYNAMIC RESPONSE  
ESTIMATES  
INDEPENDENT VARIABLES  
LEAST SQUARES METHOD  
MATHEMATICAL MODELS  
MAXIMUM LIKELIHOOD ESTIMATES  
OBSERVABILITY (SYSTEMS)  
OPTIMAL CONTROL  
OPTIMIZATION  
PREDICTION ANALYSIS TECHNIQUES  
PROBABILITY THEORY  
STATISTICAL ANALYSIS  
STEEPEST DESCENT METHOD  
SYSTEM IDENTIFICATION  
SYSTEMS ANALYSIS  
SYSTEMS ENGINEERING

### PARAMETERIZATION

GS PARAMETERIZATION  
. PARAMETER IDENTIFICATION  
ALGORITHMS  
RT  $\infty$  APPLICATIONS OF MATHEMATICS  
DEPENDENT VARIABLES  
DERIVATION  
DIMENSIONAL ANALYSIS  
 $\infty$  ESTIMATORS  
FORMALISM  
FORMULATIONS  
MATHEMATICAL MODELS  
SCALE EFFECT  
SEMIEMPIRICAL EQUATIONS  
SYSTEM IDENTIFICATION  
UNITS OF MEASUREMENT



## PARAMETERS

### PARAMETERS

USE INDEPENDENT VARIABLES

### PARAMETRIC AMPLIFIERS

UF PARAMETRIC OSCILLATORS  
GS AMPLIFIERS  
RT **PARAMETRIC AMPLIFIERS**  
FREQUENCY CONVERTERS  
LC CIRCUITS  
MAGNETOSTATIC AMPLIFIERS  
MICROWAVE AMPLIFIERS  
NEGATIVE RESISTANCE DEVICES  
POWER AMPLIFIERS  
SEMICONDUCTOR DEVICES

### PARAMETRIC DIODES

GS ELECTRONIC EQUIPMENT  
DIODES  
SEMICONDUCTOR DIODES  
**PARAMETRIC DIODES**  
SOLID STATE DEVICES  
SEMICONDUCTOR DEVICES  
RT **PARAMETRIC DIODES**  
VARACTOR DIODES

### PARAMETRIC FREQUENCY CONVERTERS

GS FREQUENCY CONVERTERS  
**PARAMETRIC FREQUENCY CONVERTERS**  
RT  $\infty$  CONVERTERS  
PHASE MODULATION  
UP-CONVERTERS

### PARAMETRIC OSCILLATORS

USE PARAMETRIC AMPLIFIERS

### PARAMETRONS

RT COMPUTER STORAGE DEVICES  
MAGNETIC CORES  
MAGNETIC STORAGE  
OSCILLATORS  
PHASE LOCK DEMODULATORS  
THIN FILMS

### PARANASAL SINUSES

GS ANATOMY  
RESPIRATORY SYSTEM  
RT **PARANASAL SINUSES**  
SINUSES  
**PARANASAL SINUSES**  
NOSE (ANATOMY)

### PARAPLASTS

GS PLASTERS  
RT **PARAPLASTS**  
RESINS

### PARAPSYCHOLOGY

USE EXTRASENSORY PERCEPTION

### PARASITES

GS **PARASITES**  
TRYPANOSOME  
RT ANIMALS  
BLIGHT  
INFESTATION

### PARASITIC DISEASES

GS DISEASES  
INFECTIOUS DISEASES  
RT **PARASITIC DISEASES**  
AIRBORNE INFECTION  
AMOEBAS  
BLIGHT  
RUST FUNGI  
TRYPANOSOME

### PARATHYROID GLAND

GS ANATOMY  
GLANDS (ANATOMY)  
ENDOCRINE GLANDS  
RT **PARATHYROID GLAND**  
CALCIUM METABOLISM

### PARAVULCOONS

GS BRAKES (FOR ARRESTING MOTION)  
AERODYNAMIC BRAKES  
RT **PARAVULCOONS**  
DRAG DEVICES  
AERODYNAMIC BRAKES  
**PARAVULCOONS**  
EXPANDABLE STRUCTURES  
INFLATABLE STRUCTURES  
**PARAVULCOONS**

### PARAVULCOONS-(CONT.)

RT AIR DROP OPERATIONS  
BALLOONS  
FOLDING STRUCTURES  
PARACHUTES

### PARAWINGS

GS AIRFOILS  
WINGS  
FLEXIBLE WINGS  
RT **PARAWINGS**  
AIR DROP OPERATIONS  
FOLDING STRUCTURES  
HANG GLIDERS  
PARACHUTES  
PARAGLIDERS

### PARENTERAL FUNCTIONS

RT  $\infty$  FUNCTIONS

### PARENTS

RT CHILDREN  
HUMAN BEINGS

### PARITY

RT BCH CODES  
CODING  
CONSERVATION  
CORRECTION  
EQUIVALENCE  
ERROR DETECTION CODES  
INFORMATION THEORY  
NUCLEAR PHYSICS  
PARTICLE SPIN  
QUANTUM NUMBERS  
QUANTUM THEORY  
STRANGENESS  
VECTOR CURRENTS

### $\infty$ PARKING

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)*  
RT PARKING ORBITS  
RAMPS (STRUCTURES)

### PARKING ORBITS

GS ORBITS  
SPACECRAFT ORBITS  
SATELLITE ORBITS  
RT **PARKING ORBITS**  
EARTH ORBITS  
EARTH-MOON TRAJECTORIES  
FLIGHT OPTIMIZATION  
INTERPLANETARY TRAJECTORIES  
LUNAR ORBITS  
LUNAR TRAJECTORIES  
ORBITAL MECHANICS  
 $\infty$  PARKING  
PLANETARY ORBITS  
THRUST PROGRAMMING  
TRANSFER ORBITS

### PARKINSON DISEASE

GS DISEASES  
RT **PARKINSON DISEASE**  
TREMORS

### PARKS

GS LAND  
**PARKS**  
NATIONAL PARKS  
YELLOWSTONE NATIONAL PARK (ID-MT-WY)  
RT RECREATION  
REGIONAL PLANNING  
URBAN DEVELOPMENT  
URBAN PLANNING

### PAROTID GLAND

USE SALIVARY GLANDS

### PARSING ALGORITHMS

GS MATHEMATICAL LOGIC  
ALGORITHMS  
RT **PARSING ALGORITHMS**  
COMPILED  
COMPUTER TECHNIQUES  
GRAMMARS  
SEMANTICS  
SUBROUTINES  
SYNTAX

### PARTIAL DIFFERENTIAL EQUATIONS

GS ANALYSIS (MATHEMATICS)  
REAL VARIABLES  
DIFFERENTIAL EQUATIONS  
RT **PARTIAL DIFFERENTIAL EQUATIONS**  
BIHARMONIC EQUATIONS  
BURGER EQUATION  
CAUCHY-RIEMANN EQUATIONS  
ELLIPTIC DIFFERENTIAL EQUATIONS  
MONGE-AMPERE EQUATION  
EULER-CAUCHY EQUATIONS  
FOKKER-PLANCK EQUATION  
GAUSS EQUATION  
HELMHOLTZ VORTICITY EQUATION  
LIOUVILLE EQUATIONS  
PARABOLIC DIFFERENTIAL EQUATIONS  
POISSON EQUATION  
VLASOV EQUATIONS  
RT ALTERNATING DIRECTION IMPLICIT METHODS  
BOLTZMANN-VLASOV EQUATION  
 $\infty$  EQUATIONS  
FUNCTIONAL INTEGRATION  
KINETIC EQUATIONS  
LAPLACE EQUATION  
METHOD OF CHARACTERISTICS  
NEUMANN PROBLEM  
WAVE EQUATIONS

### PARTIAL PRESSURE

GS PRESSURE  
RT **PARTIAL PRESSURE**  
OXYGEN TENSION  
HYPOXEMIA  
DALTON LAW  
GAS PRESSURE  
HENRY LAW  
INTERNAL PRESSURE  
RAOULT LAW  
RESIDUAL GAS  
 $\infty$  TENSION  
VAPOR PRESSURE

### PARTICLE ACCELERATION

GS RATES (PER TIME)  
ACCELERATION (PHYSICS)  
RT **PARTICLE ACCELERATION**  
 $\infty$  ACCELERATION  
ELECTROMAGNETIC ACCELERATION  
MAGNETIC FIELDS  
PLASMA ACCELERATION  
RACETRACKS (PARTICLE ACCELERATORS)

### PARTICLE ACCELERATOR TARGETS

GS TARGETS  
RT **PARTICLE ACCELERATOR TARGETS**  
 $\infty$  ACCELERATORS  
TARGET THICKNESS

### PARTICLE ACCELERATORS

GS **PARTICLE ACCELERATORS**  
CYCLIC ACCELERATORS  
BETATRONS  
SYNCHROCYCLOTRONS  
SYNCHROTRONS  
BEVATRON  
STORAGE RINGS (PARTICLE ACCELERATORS)  
CYCLOTRONS  
GEOCYCLOTRONS  
MICROTRONS  
OAK RIDGE ISOCRONOUS CYCLOTRON  
OMEGATRONS  
SYNCHROCYCLOTRONS  
ELECTRON ACCELERATORS  
BETATRONS  
ION ACCELERATORS  
LINEAR ACCELERATORS  
NIMROD ACCELERATOR  
SUPERCONDUCTING SUPER COLLIDER  
SYNCHROPHASOTRONS  
VAN DE GRAAFF ACCELERATORS  
RT  $\infty$  ACCELERATORS  
BEAM SPLITTERS  
ELECTRON GUNS  
ELEMENTARY PARTICLES  
ION SOURCES  
KAON PRODUCTION  
NEUTRON SOURCES  
NUCLEAR PARTICLES

## PARTICLE SPIN

### PARTICLE ACCELERATORS-(CONT.)

RACETRACKS (PARTICLE  
ACCELERATORS)  
RAILGUN ACCELERATORS  
SEPA (PAYLOAD)

### PARTICLE BEAMS

GS BEAMS (RADIATION)  
PARTICLE BEAMS  
ATOMIC BEAMS  
ELECTRON BEAMS  
RELATIVISTIC ELECTRON BEAMS  
ION BEAMS  
NEUTRAL BEAMS  
MOLECULAR BEAMS  
NEUTRON BEAMS  
NEUTRINO BEAMS  
PION BEAMS  
PROTON BEAMS  
RT BEAM SPLITTERS  
ELECTRON ACCELERATION  
ELECTRON BOMBARDMENT  
FLUX (RATE)  
ION STRIPPING  
PHONON BEAMS

### PARTICLE CHARGING

RT CHARGED PARTICLES

### PARTICLE COLLISIONS

GS COLLISIONS  
PARTICLE COLLISIONS  
RT ATOMIC COLLISIONS  
ATOMIC EXCITATIONS  
DENSE PLASMAS  
FADDEEV EQUATIONS  
IONIC COLLISIONS  
KINETICS  
MEAN FREE PATH  
MOLECULAR COLLISIONS  
MOLECULAR EXCITATION  
NUCLEON-NUCLEON SCATTERING  
SCATTERING

### PARTICLE COUNTERS

USE RADIATION COUNTERS

### PARTICLE DECAY

USE RADIOACTIVE DECAY

### PARTICLE DENSITY (CONCENTRATION)

GS DENSITY (NUMBER/VOLUME)  
PARTICLE DENSITY (CONCENTRATION)  
ELECTRON DENSITY  
(CONCENTRATION)  
CARRIER DENSITY (SOLID STATE)  
ELECTRON DENSITY PROFILES  
IONOSPHERIC ELECTRON DENSITY  
MAGNETOSPHERIC ELECTRON  
DENSITY  
ELECTRON DISTRIBUTION  
ELECTRON DENSITY PROFILES  
ION DENSITY (CONCENTRATION)  
IONOSPHERIC ION DENSITY  
MAGNETOSPHERIC ION DENSITY  
MAGNETOSPHERIC PROTON  
DENSITY  
PROTON DENSITY  
(CONCENTRATION)  
MAGNETOSPHERIC PROTON  
DENSITY  
PLASMA DENSITY  
RT ATMOSPHERIC DENSITY  
ESRO 4 SATELLITE  
ION STRIPPING  
IONOSPHERIC COMPOSITION  
SPACE DENSITY  
SPATIAL DISTRIBUTION

### PARTICLE DETECTORS

USE RADIATION COUNTERS

### PARTICLE DIFFUSION

GS DIFFUSION  
PARTICLE DIFFUSION  
ELECTRON DIFFUSION  
IONIC DIFFUSION  
RT ATOMIC BEAMS  
BOLTZMANN TRANSPORT EQUATION  
DIFFUSION COEFFICIENT  
DIFFUSION LENGTH  
DROP SIZE  
FLUX (RATE)  
GASEOUS SELF-DIFFUSION  
MOLECULAR DIFFUSION

### PARTICLE DIFFUSION-(CONT.)

MUON SPIN ROTATION  
SELF DIFFUSION (SOLID STATE)  
THERMOPHORESIS

### PARTICLE EMISSION

GS EMISSION  
PARTICLE EMISSION  
ELECTRON EMISSION  
FIELD EMISSION  
PHOTOELECTRIC EMISSION  
SECONDARY EMISSION  
ION EMISSION  
NEUTRON EMISSION  
THERMIONIC EMISSION  
RT EXHAUST EMISSION  
EXPULSION  
SELF SUSTAINED EMISSION  
STIMULATED EMISSION

### PARTICLE ENERGY

GS PARTICLE ENERGY  
ELECTRON ENERGY  
ELECTRON STATES  
PROTON ENERGY  
RT ENERGY  
INTERNAL ENERGY  
KINETIC ENERGY  
MONOCHROMATIZATION  
PARTICLE INTENSITY

### PARTICLE FLUX

USE FLUX (RATE)

### PARTICLE FLUX DENSITY

SN (LIMITED TO PARTICLE EMISSION OR  
DETECTION RATE PER UNIT AREA)  
GS RATES (PER TIME)  
FLUX DENSITY  
RADIANT FLUX DENSITY  
PARTICLE FLUX DENSITY  
ELECTRON FLUX DENSITY  
NEUTRON FLUX DENSITY  
PROTON FLUX DENSITY  
RT HELIOS SATELLITES  
PARTICLE INTENSITY  
RADIANCY  
RADIATION COUNTERS  
RADIATION PRESSURE  
SOLAR CONSTANT  
SOLAR FLUX DENSITY

### PARTICLE IN CELL TECHNIQUE

GS ANALYSIS (MATHEMATICS)  
NUMERICAL ANALYSIS  
APPROXIMATION  
PARTICLE IN CELL TECHNIQUE  
RT CELLS  
CRYSTAL LATTICES  
FLOW EQUATIONS  
METHODOLOGY

### PARTICLE INTENSITY

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT PARTICLE ENERGY  
PARTICLE FLUX DENSITY

### PARTICLE INTERACTIONS

GS PARTICLE INTERACTIONS  
ELEMENTARY PARTICLE  
INTERACTIONS  
HIGH ENERGY INTERACTIONS  
STRONG INTERACTIONS (FIELD  
THEORY)  
MESON-MESON INTERACTIONS  
MESON-NUCLEON INTERACTIONS  
NUCLEAR CAPTURE  
ELECTRON CAPTURE  
NUCLEON-NUCLEON INTERACTIONS  
WEAK ENERGY INTERACTIONS  
WEAK INTERACTIONS (FIELD  
THEORY)  
ION ATOM INTERACTIONS  
MOLECULAR INTERACTIONS  
MOLECULAR COLLISIONS  
NUCLEAR INTERACTIONS  
NUCLEAR CAPTURE  
ELECTRON CAPTURE  
SPIN-ORBIT INTERACTIONS  
ELECTRON CAPTURE  
WEAK INTERACTIONS (FIELD  
THEORY)  
PLASMA-PARTICLE INTERACTIONS

### PARTICLE INTERACTIONS-(CONT.)

RT BRAGG CURVE  
CHARM (PARTICLE PHYSICS)  
CHEMICAL REACTIONS  
COLLISION PARAMETERS  
ELECTRON PHONON INTERACTIONS  
ELECTRON SCATTERING  
FEYNMAN DIAGRAMS  
FLAVOR (PARTICLE PHYSICS)  
INTERACTIONS  
NEUTRAL CURRENTS  
NUCLEAR REACTIONS  
PHOTONUCLEAR REACTIONS  
PHOTOPHORESIS  
QUANTUM CHROMODYNAMICS

### PARTICLE LADEN JETS

RT FUEL FLOW  
JET FLOW  
PARTICLES  
TURBULENT FLOW

### PARTICLE MASS

GS MASS  
PARTICLE MASS  
ELECTRON MASS  
RT GRAVITINOS  
MAGNETIC RIGIDITY  
NUCLIDES

### PARTICLE MOTION

RT DIFFRACTION RADIATION  
ELECTROPHORESIS  
FALLING  
LATTICE VIBRATIONS  
MAGNETIC RIGIDITY  
MEAN FREE PATH  
MOTION  
NEUTRAL SHEETS  
PHOTOPHORESIS  
RECOILINGS  
RELATIVISTIC VELOCITY  
SETTLING  
THERMOPHORESIS

### PARTICLE PRECIPITATION

GS PARTICLE PRECIPITATION  
ELECTRON PRECIPITATION  
PROTON PRECIPITATION  
RT ATOMIC STRUCTURE  
CHARGED PARTICLES  
PRECIPITATION

### PARTICLE PRODUCTION

GS PARTICLE PRODUCTION  
KAON PRODUCTION  
PAIR PRODUCTION  
PHOTOPRODUCTION  
RT COMMINUTION  
CORPUSCULAR RADIATION  
HIGH ENERGY INTERACTIONS  
NUCLEAR RADIATION  
NUCLEAR REACTIONS  
PARTICLES  
RADIOACTIVITY  
SPALLATION

### PARTICLE SIZE DISTRIBUTION

GS SIZE DISTRIBUTION  
PARTICLE SIZE DISTRIBUTION  
RT DIMENSIONS  
DROP SIZE  
FINENESS  
FINES  
FRACTIONS  
GRAIN SIZE  
PARTICLES  
PARTICULATES  
PRECIPITATION PARTICLE  
MEASUREMENT  
SIZE DETERMINATION  
SIZE SEPARATION  
SOLIDS FLOW  
THERMOPHORESIS

### PARTICLE SPIN

GS SPIN  
PARTICLE SPIN  
ELECTRON SPIN  
ISOTOPIC SPIN  
NUCLEAR SPIN  
RT ANGULAR MOMENTUM  
ISING MODEL  
MUON SPIN ROTATION  
NUCLEAR MAGNETIC RESONANCE

## PARTICLE TELESCOPES

### PARTICLE SPIN-(CONT.)

NUCLEAR PHYSICS  
PARITY  
QUENCHING (ATOMIC PHYSICS)  
SPIN RESONANCE

### PARTICLE TELESCOPES

UF ELECTRON TELESCOPES  
GEP TELESCOPES  
GODDARD EXPERIMENT PACKAGE  
TELESCOPE  
PROTON TELESCOPES  
GS MEASURING INSTRUMENTS  
COUNTERS  
RADIATION COUNTERS  
PARTICLE TELESCOPES  
RADIATION MEASURING INSTRUMENTS  
RADIATION COUNTERS  
PARTICLE TELESCOPES  
TELESCOPES  
RT PARTICLE TELESCOPES  
GEIGER COUNTERS  
SATELLITE-BORNE INSTRUMENTS  
SCINTILLATION COUNTERS

### PARTICLE THEORY

RT BODY KINEMATICS  
CHARM (PARTICLE PHYSICS)  
COLLISION PARAMETERS  
FLAVOR (PARTICLE PHYSICS)  
GRAND UNIFIED THEORY  
∞ INTERACTIONS  
MANY BODY PROBLEM  
PLASMA-PARTICLE INTERACTIONS  
QUARK MODELS  
STRING THEORY  
SUPERGRAVITY  
SUPERSYMMETRY  
∞ THEORIES  
UNIFIED FIELD THEORY  
WEAK ENERGY INTERACTIONS

### PARTICLE TRACKS

RT CHEMICAL ANALYSIS  
CORE SAMPLING  
COSMIC RAYS  
FOSSILS  
GEOCHRONOLOGY  
LUNAR ROCKS  
METEORIDS  
NUCLEAR PARTICLES  
RADIATION EFFECTS  
STRATIGRAPHY  
TRACE ELEMENTS  
∞ TRACKS

### PARTICLE TRAJECTORIES

GS TRAJECTORIES  
PARTICLE TRAJECTORIES  
ELECTRON TRAJECTORIES  
RT BUBBLE CHAMBERS  
CHARGED PARTICLES  
ELECTRON OPTICS  
IONIZING RADIATION  
∞ MOTION  
∞ PATHS  
RACETRACKS (PARTICLE  
ACCELERATORS)  
∞ TRACKS

### PARTICLES

GS PARTICLES  
AEROSOLS  
FOG  
CHARGED PARTICLES  
ANTIPROTONS  
ENERGETIC PARTICLES  
ELECTRONS  
CONDUCTION ELECTRONS  
HIGH ENERGY ELECTRONS  
HOT ELECTRONS  
N ELECTRONS  
NEGATONS  
PI-ELECTRONS  
NUCLEI (NUCLEAR PHYSICS)  
EVEN-EVEN NUCLEI  
HEAVY NUCLEI  
HYPERNUCLEI  
ODD-EVEN NUCLEI  
ODD-ODD NUCLEI  
PLASMAS (PHYSICS)  
ARGON PLASMA  
BETA PARTICLES  
BOUNDARY LAYER PLASMAS  
COLD PLASMAS

### PARTICLES-(CONT.)

COLLISIONAL PLASMAS  
STRONGLY COUPLED PLASMAS  
COLLISIONLESS PLASMAS  
COSMIC PLASMA  
CYLINDRICAL PLASMAS  
DENSE PLASMAS  
PLASMA FOCUS  
STRONGLY COUPLED PLASMAS  
ELECTRON PLASMA  
ELLIPTICAL PLASMAS  
HELIUM PLASMA  
HIGH TEMPERATURE PLASMAS  
HYDROGEN PLASMA  
DEUTERIUM PLASMA  
LASER PLASMAS  
METALLIC PLASMAS  
CESIUM PLASMA  
MICROPLASMAS  
NITROGEN PLASMA  
NONEQUILIBRIUM PLASMAS  
NONUNIFORM PLASMAS  
OXYGEN PLASMA  
RAREFIED PLASMAS  
RELATIVISTIC PLASMAS  
ROTATING PLASMAS  
SEMICONDUCTOR PLASMAS  
SPACE PLASMAS  
SOLAR WIND  
STELLAR WINDS  
SPHERICAL PLASMAS  
THERMAL PLASMAS  
TOROIDAL PLASMAS  
IONIZED GASES  
LORENTZ GAS  
MAGNETICALLY TRAPPED PARTICLES  
RADIATION BELTS  
ARTIFICIAL RADIATION BELTS  
INNER RADIATION BELT  
OUTER RADIATION BELT  
PROTON BELTS  
PARTONS  
PLASMA CLOUDS  
MAGNETIC CLOUDS  
PLASMA JETS  
RADIO JETS (ASTRONOMY)  
PLASMA LAYERS  
PLASMA SHEATHS  
PLASMA SLABS  
POSITRONS  
PROTONS  
RECOIL PROTONS  
SOLAR PROTONS  
CORPUSCULAR RADIATION  
ELECTRON PRECIPITATION  
ELECTRON RADIATION  
BETA PARTICLES  
ELECTRON BEAMS  
RELATIVISTIC ELECTRON BEAMS  
PRIMARY COSMIC RAYS  
SOLAR COSMIC RAYS  
RADIATION BELTS  
SOLAR CORPUSCULAR RADIATION  
SOLAR ELECTRONS  
SOLAR NEUTRONS  
SOLAR PROTONS  
DROPS (LIQUIDS)  
RAINDROPS  
DUST  
COSMIC DUST  
INTERPLANETARY DUST  
METEOROID DUST CLOUDS  
ZODIACAL DUST  
LUNAR DUST  
TERRESTRIAL DUST BELT  
ELEMENTARY PARTICLES  
ANTIPARTICLES  
ANTINEUTRINOS  
ANTINUCLEONS  
ANTIPROTONS  
POSITRONS  
BETA PARTICLES  
BOSONS  
ALPHA PARTICLES  
MESONS  
ETA-MESONS  
KAONS  
MESON RESONANCE  
X MESONS  
MUONS  
PIONS  
VECTOR MESONS  
RHO-MESONS  
SIGMA-MESONS  
PHOTONS  
XI HYPERONS  
NUCLEONS  
PHOTOELECTRONS  
PARTICULATES  
SOOT  
POLLEN  
POWDER (PARTICLES)  
FINES  
METAL POWDER  
PLATINUM BLACK  
POWDERED ALUMINUM  
SINTERED ALUMINUM POWDER  
RELATIVISTIC PARTICLES  
RELATIVISTIC ELECTRON BEAMS

### PARTICLES-(CONT.)

XI HYPERONS  
DEUTERONS  
FERMIONS  
BARYONS  
HYPERONS  
XI HYPERONS  
OMEGA-MESONS  
RHO-MESONS  
SIGMA-MESONS  
ETA-MESONS  
LEPTONS  
ANTINEUTRINOS  
MUONS  
NEUTRINOS  
SOLAR NEUTRINOS  
MESON RESONANCE  
NEUTRONS  
COLD NEUTRONS  
FAST NEUTRONS  
PHOTONEUTRONS  
SOLAR NEUTRONS  
THERMAL NEUTRONS  
PROTONS  
RECOIL PROTONS  
SOLAR PROTONS  
GLUONS  
GRAVITINOS  
GRAVITONS  
HADRONS  
BARYONS  
OMEGA-MESONS  
RHO-MESONS  
SIGMA-MESONS  
MESONS  
KAONS  
MUONS  
OMEGA-MESONS  
VECTOR MESONS  
RHO-MESONS  
SIGMA-MESONS  
MAGNETIC MONOPOLES  
NUCLEONS  
PARTONS  
QUARKS  
TACHYONS  
FLAKES  
METAL PARTICLES  
METAL POWDER  
PLATINUM BLACK  
POWDERED ALUMINUM  
SINTERED ALUMINUM POWDER  
MICROPARTICLES  
MIST  
NEUTRAL PARTICLES  
GRAVITINOS  
NEUTRONS  
COLD NEUTRONS  
FAST NEUTRONS  
PHOTONEUTRONS  
SOLAR NEUTRONS  
THERMAL NEUTRONS  
NUCLEAR PARTICLES  
ANTIPARTICLES  
ANTINEUTRINOS  
ANTINUCLEONS  
ANTIPROTONS  
POSITRONS  
BETA PARTICLES  
BOSONS  
ALPHA PARTICLES  
MESONS  
ETA-MESONS  
KAONS  
MESON RESONANCE  
X MESONS  
MUONS  
PIONS  
VECTOR MESONS  
RHO-MESONS  
SIGMA-MESONS  
PHOTONS  
XI HYPERONS  
NUCLEONS  
PHOTOELECTRONS  
PARTICULATES  
SOOT  
POLLEN  
POWDER (PARTICLES)  
FINES  
METAL POWDER  
PLATINUM BLACK  
POWDERED ALUMINUM  
SINTERED ALUMINUM POWDER  
RELATIVISTIC PARTICLES  
RELATIVISTIC ELECTRON BEAMS

## PASSIVE L-BAND RADIOMETERS

### PARTICLES-(CONT.)

. TRAPPED PARTICLES  
 . . . MAGNETICALLY TRAPPED PARTICLES  
 . . . RADIATION BELTS  
 . . . . ARTIFICIAL RADIATION BELTS  
 . . . . INNER RADIATION BELT  
 . . . . OUTER RADIATION BELT  
 . . . . PROTON BELTS  
 RT AIR POLLUTION  
 CHEMICAL CLOUDS  
 ∞ CLOUDS  
 COLLOIDS  
 DEUTERON IRRADIATION  
 DIRT  
 DISPERSIONS  
 GAS ATOMIZATION  
 ∞ GRAINS  
 GRANULAR MATERIALS  
 GRIT  
 ION STRIPPING  
 IONS  
 NEUTRAL BEAMS  
 NEUTRON BEAMS  
 NODULES  
 NONPOINT SOURCES  
 PARTICLE LADEN JETS  
 PARTICLE PRODUCTION  
 PARTICLE SIZE DISTRIBUTION  
 POSITRON ANNIHILATION  
 PRECIPITATION PARTICLE  
 MEASUREMENT  
 PROTON PRECIPITATION  
 SMOKE

### PARTICULATE FILTERS

USE FLUID FILTERS

### PARTICULATE SAMPLING

GS SAMPLING  
 . . . PARTICULATE SAMPLING  
 RT ASSAYING  
 CHEMICAL ANALYSIS  
 CONCENTRATION (COMPOSITION)  
 IDENTIFYING  
 PARTICULATES

### PARTICULATES

GS PARTICLES  
 . . . PARTICULATES  
 . . . SOOT  
 RT AEROSOLS  
 AIR POLLUTION  
 AIR QUALITY  
 AIR SAMPLING  
 ATMOSPHERIC COMPOSITION  
 COMBUSTION PRODUCTS  
 CONTAMINANTS  
 DISPERSIONS  
 DUST  
 EXHAUST GASES  
 FLY ASH  
 PARTICLE SIZE DISTRIBUTION  
 PARTICULATE SAMPLING  
 POLLUTION CONTROL  
 POLLUTION MONITORING  
 SMOG  
 SMOKE  
 SOLID SUSPENSIONS

### ∞ PARTITIONS

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT CURTAINS  
 PARTITIONS (MATHEMATICS)  
 PARTITIONS (STRUCTURES)  
 SEPTUM

### PARTITIONS (MATHEMATICS)

GS ANALYSIS (MATHEMATICS)  
 . . . COMBINATORIAL ANALYSIS  
 . . . PARTITIONS (MATHEMATICS)  
 RT COMBINATIONS (MATHEMATICS)  
 EQUIVALENCE  
 ∞ PARTITIONS  
 PERMUTATIONS

### PARTITIONS (STRUCTURES)

RT BULKHEADS  
 CURTAINS  
 ∞ PARTITIONS  
 THIN WALLS  
 WALLS

### PARTONS

GS PARTICLES  
 . . . CHARGED PARTICLES  
 . . . PARTONS  
 . . . ELEMENTARY PARTICLES  
 . . . PARTONS  
 RT HADRONS  
 LEPTONS  
 QUARK PARTON MODEL  
 QUARKS

### PARTS

USE COMPONENTS

### PAS

UF PERIGEE-APOGEE SATELLITES  
 GS ARTIFICIAL SATELLITES  
 . . . PAS  
 RT ELLIPTICAL ORBITS  
 TWENTY-FOUR HOUR ORBITS

### PASCAL (PROGRAMMING LANGUAGE)

GS LANGUAGES  
 . . . PROGRAMMING LANGUAGES  
 . . . PASCAL (PROGRAMMING LANGUAGE)  
 RT COMPILERS  
 COMPUTER PROGRAMMING

### PASCHEN SERIES

GS SPECTRA  
 . . . RADIATION SPECTRA  
 . . . ELECTROMAGNETIC SPECTRA  
 . . . . LINE SPECTRA  
 . . . . PASCHEN SERIES  
 RT ABSORPTION SPECTRA  
 ATOMIC SPECTRA  
 ELECTRON TRANSITIONS  
 EMISSION SPECTRA  
 H LINES  
 HYDROGEN

### PASSAGEWAYS

GS PASSAGEWAYS  
 . . . STRAITS  
 . . . TORRES STRAIT  
 . . . TRANSFER TUNNELS  
 RT APPROACH  
 CAVITIES  
 CORRIDORS  
 GAPS  
 NOTCHES  
 OPENINGS  
 ∞ PATHS  
 ROADS  
 ∞ TUNNELS  
 UNDERGROUND STRUCTURES  
 VESTIBULES

### PASSENGER AIRCRAFT

UF EXECUTIVE AIRCRAFT  
 GS PASSENGER AIRCRAFT  
 . . . BAC 111 AIRCRAFT  
 . . . BO-105 HELICOPTER  
 . . . BOEING 707 AIRCRAFT  
 . . . BOEING 720 AIRCRAFT  
 . . . BOEING 727 AIRCRAFT  
 . . . BOEING 737 AIRCRAFT  
 . . . BOEING 747 AIRCRAFT  
 . . . BOEING 757 AIRCRAFT  
 . . . BOEING 767 AIRCRAFT  
 . . . BOEING 777 AIRCRAFT  
 . . . BREGUET 941 AIRCRAFT  
 . . . C-33 AIRCRAFT  
 . . . C-35 AIRCRAFT  
 . . . C-46 AIRCRAFT  
 . . . CESSNA 172 AIRCRAFT  
 . . . CESSNA 205 AIRCRAFT  
 . . . CESSNA 210 AIRCRAFT  
 . . . CESSNA 402B AIRCRAFT  
 . . . CH-3 HELICOPTER  
 . . . CH-46 HELICOPTER  
 . . . CH-47 HELICOPTER  
 . . . CH-54 HELICOPTER  
 . . . COMET 4 AIRCRAFT  
 . . . CV-340 AIRCRAFT  
 . . . CV-440 AIRCRAFT  
 . . . CV-880 AIRCRAFT  
 . . . CV-990 AIRCRAFT  
 . . . DC 8 AIRCRAFT  
 . . . DC 10 AIRCRAFT  
 . . . DH 121 AIRCRAFT  
 . . . DH 125 AIRCRAFT  
 . . . DO-27 AIRCRAFT  
 . . . DO-28 AIRCRAFT  
 . . . ELECTRA AIRCRAFT

### PASSENGER AIRCRAFT-(CONT.)

. . . EUROPEAN AIRBUS  
 . . . A-300 AIRCRAFT  
 . . . A-310 AIRCRAFT  
 . . . A-320 AIRCRAFT  
 . . . F-27 AIRCRAFT  
 . . . F-28 HELICOPTER  
 . . . F-28 TRANSPORT AIRCRAFT  
 . . . G-1 AIRCRAFT  
 . . . G-222 AIRCRAFT  
 . . . H-19 HELICOPTER  
 . . . H-53 HELICOPTER  
 . . . H-56 HELICOPTER  
 . . . HFB-320 AIRCRAFT  
 . . . HS-748 AIRCRAFT  
 . . . IL-62 AIRCRAFT  
 . . . JETSTREAM AIRCRAFT  
 . . . L-1011 AIRCRAFT  
 . . . L-2000 AIRCRAFT  
 . . . MYSTERE 20 AIRCRAFT  
 . . . OH-5 HELICOPTER  
 . . . P-160 AIRCRAFT  
 . . . P-166 AIRCRAFT  
 . . . SE-210 AIRCRAFT  
 . . . T-39 AIRCRAFT  
 . . . TU-104 AIRCRAFT  
 . . . TU-124 AIRCRAFT  
 . . . TU-134 AIRCRAFT  
 . . . TU-144 AIRCRAFT  
 . . . U-10 AIRCRAFT  
 . . . VC-10 AIRCRAFT  
 . . . VISCOUNT AIRCRAFT  
 . . . YAK 40 AIRCRAFT  
 . . . YS-11 AIRCRAFT  
 RT ∞ AIRCRAFT  
 AN-22 AIRCRAFT  
 AN-24 AIRCRAFT  
 CARGO AIRCRAFT  
 CIVIL AVIATION  
 COMMERCIAL AIRCRAFT  
 DC 7 AIRCRAFT  
 E-2 AIRCRAFT  
 GENERAL AVIATION AIRCRAFT  
 GROUND EFFECT MACHINES  
 HC-3 HELICOPTER  
 JET AIRCRAFT  
 LIGHT AIRCRAFT  
 LIGHT TRANSPORT AIRCRAFT  
 ∞ LOW WING AIRCRAFT  
 MERCURE AIRCRAFT  
 MH-262 AIRCRAFT  
 ∞ MILITARY AIRCRAFT  
 MYSTERE 50 AIRCRAFT  
 P-531 HELICOPTER  
 PD-808 AIRCRAFT  
 ROTARY WING AIRCRAFT  
 SAAB 105 AIRCRAFT  
 SC-7 AIRCRAFT  
 SHORT HAUL AIRCRAFT  
 ∞ SUBSONIC AIRCRAFT  
 SUPERSONIC AIRCRAFT  
 SUPERSONIC TRANSPORTS  
 TRANSPORT AIRCRAFT  
 TU-154 AIRCRAFT  
 TURBOFAN AIRCRAFT  
 TURBOPROP AIRCRAFT  
 V/STOL AIRCRAFT  
 WATER TAKEOFF AND LANDING  
 AIRCRAFT

### PASSENGERS

RT AIRLINE OPERATIONS  
 AUTOMATED GUIDEWAY TRANSIT  
 VEHICLES  
 AUTOMATED MIXED TRAFFIC VEHICLES  
 AUTOMATED TRANSIT VEHICLES  
 PAYLOADS  
 RAPID TRANSIT SYSTEMS  
 RIDING QUALITY  
 TRANSPORTATION

### PASSES

USE GAPS (GEOLOGY)

### PASSIVATION

USE PASSIVITY

### PASSIVE L-BAND RADIOMETERS

GS MEASURING INSTRUMENTS  
 . . . RADIATION MEASURING INSTRUMENTS  
 . . . ACTINOMETERS  
 . . . RADIOMETERS  
 . . . . PASSIVE L-BAND RADIOMETERS  
 RT MICROWAVE FREQUENCIES  
 ULTRAHIGH FREQUENCIES

## PASSIVE NOSETIP TECHNOLOGY

### PASSIVE NOSETIP TECHNOLOGY USE PANT PROGRAM

#### PASSIVE SATELLITES

UF REFLECTOR SATELLITES  
GS ARTIFICIAL SATELLITES  
    . PASSIVE SATELLITES  
    . BEACON SATELLITES  
    . BEACON EXPLORER A  
    . EXPLORER 22 SATELLITE  
    . ECHO SATELLITES  
    . ECHO 1 SATELLITE  
    . ECHO 2 SATELLITE  
    . LAGEOS (SATELLITE)  
    . PAGEOS SATELLITE  
RT ACTIVE SATELLITES  
COMMUNICATION SATELLITES  
ECHO PROJECT  
GEODETIC SATELLITES  
NAVIGATION SATELLITES  
SYNCHRONOUS SATELLITES

#### PASSIVITY

UF PASSIVATION  
RT ANODIZING  
CHEMICAL ATTACK  
CHEMICAL PROPERTIES  
COATINGS  
CORROSION  
CORROSION PREVENTION  
CORROSION RESISTANCE  
DEACTIVATION  
ELECTROLYSIS  
    ∞ INHIBITION  
    INHIBITORS  
OXIDATION  
OXIDATION RESISTANCE  
RUSTING  
SILICONIZING

#### PASTE (CONSISTENCY)

RT MIXTURES

#### PASTES

GS ADHESIVES  
    . PASTES  
RT GLUES  
PLASTERS

#### PASTEURIZING

GS HEATING  
    . PASTEURIZING  
RT PURIFICATION  
STERILIZATION

#### PATCH TESTS

SN (CONDITIONS FOR ASSESSING FINITE  
ELEMENT METHOD CONVERGENCE AND  
STABILITY PROPERTIES)  
RT CONVERGENCE  
FINITE ELEMENT METHOD  
HYDRAULIC FLUIDS  
STRUCTURAL ANALYSIS  
    ∞ TESTS

#### PATENT APPLICATIONS

RT COPYRIGHTS  
INVENTIONS  
LICENSING  
PATENTS  
PRODUCT DEVELOPMENT  
TECHNOLOGY UTILIZATION

#### PATENT POLICY

GS POLICIES  
    . PATENT POLICY  
RT INVENTIONS  
PATENTS  
PRODUCT DEVELOPMENT  
REGULATIONS  
RULES

#### PATENTS

RT CLAIMING  
GRANTS  
INVENTIONS  
PATENT APPLICATIONS  
PATENT POLICY

#### PATHFINDER NUCLEAR REACTOR

GS NUCLEAR ELECTRIC POWER  
GENERATION  
    . NUCLEAR POWER REACTORS  
    . PATHFINDER NUCLEAR REACTOR

### PATHFINDER NUCLEAR REACTOR-(CONT.)

NUCLEAR REACTORS  
    . LIQUID COOLED REACTORS  
    . WATER COOLED REACTORS  
    . BOILING WATER REACTORS  
    . PATHFINDER NUCLEAR REACTOR  
    . NUCLEAR POWER REACTORS  
    . PATHFINDER NUCLEAR REACTOR

#### PATHOGENESIS

RT CHOLERA  
DISEASES  
PATHOGENS

#### PATHOGENS

RT BACTERIA  
CLOSTRIDIUM BOTULINUM  
PATHOGENESIS

#### PATHOLOGICAL EFFECTS

RT BIOLOGICAL EFFECTS  
CARBON MONOXIDE POISONING  
CHOLERA  
DISEASES  
    ∞ EFFECTS  
    PHYSIOLOGICAL RESPONSES  
    ∞ STRESS (BIOLOGY)

#### PATHOLOGY

GS MEDICAL SCIENCE  
    . PATHOLOGY  
    . HUMAN PATHOLOGY  
RT AUTOPSIES  
DIAGNOSIS  
DISSECTION  
HEMORRHAGES  
RADIATION THERAPY  
VETERINARY MEDICINE

#### ∞ PATHS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
UF COURSES  
LANES  
RT CRITICAL PATH METHOD  
DIFFRACTION PATHS  
DUALITY PRINCIPLE  
FLIGHT PATHS  
GROUND TRACKS  
MEAN FREE PATH  
METEOR TRAILS  
MULTIPATH TRANSMISSION  
NETWORK ANALYSIS  
OPERATIONS RESEARCH  
OPTICAL PATHS  
ORBITS  
PARTICLE TRAJECTORIES  
PASSAGEWAYS  
PERT  
ROUTES  
SOUND TRANSMISSION  
THERMODYNAMICS  
TRAJECTORIES

#### PATIENTS

RT HUMAN BEINGS  
HUMAN PATHOLOGY  
THERAPY

#### PATRIOT MISSILE

GS MISSILES  
    . SURFACE TO AIR MISSILES  
    . PATRIOT MISSILE  
RT MISSILE CONFIGURATIONS  
    ∞ ROCKETS  
    WEAPONS

#### PATROLS

RT RECONNAISSANCE

#### PATTERN DISTRIBUTION

USE DISTRIBUTION (PROPERTY)

#### PATTERN METHOD (FORECASTING)

GS FORECASTING  
    . TECHNOLOGICAL FORECASTING  
    . PATTERN METHOD (FORECASTING)  
    MANAGEMENT METHODS  
    . PATTERN METHOD (FORECASTING)  
RT DELPHI METHOD (FORECASTING)  
ESTIMATING  
    ∞ METHODOLOGY  
    OPERATIONS RESEARCH

### PATTERN METHOD (FORECASTING)-(CONT.)

PLANNING  
PREDICTIONS  
PROBE METHOD (FORECASTING)  
TECHNOLOGY ASSESSMENT

#### PATTERN RECOGNITION

UF AUTOMATIC PATTERN RECOGNITION  
FEATURE EXTRACTION  
GS RECOGNITION  
    . PATTERN RECOGNITION  
    . CHARACTER RECOGNITION  
    . GRAPHOLOGY  
RT CHANGE DETECTION  
CLUMPS  
CLUSTER ANALYSIS  
COMPUTER VISION  
CONTEXT  
FEATURE IDENTIFICATION AND  
LOCATION EXPER  
GRAY SCALE  
IMAGE ANALYSIS  
MULTISENSOR APPLICATIONS  
OPTICAL RELAY SYSTEMS  
PRINCIPAL COMPONENTS ANALYSIS  
READERS  
REPETITION

#### PATTERN REGISTRATION

RT COMPARISON  
IMAGE CONTRAST  
IMAGE CORRELATORS  
IMAGE MOTION COMPENSATION  
IMAGE RECONSTRUCTION  
IMAGE RESOLUTION  
IMAGING TECHNIQUES  
MAGNETIC SIGNATURES  
MATCHING

#### ∞ PATTERNS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT DIFFRACTION PATTERNS  
DISTRIBUTION (PROPERTY)  
DRAINAGE PATTERNS  
KURTOSIS  
MOLDS  
PHOTOMASKS  
PROTOTYPES  
RADIATION DISTRIBUTION  
RESINS  
SPECKLE PATTERNS  
SYNTHETIC ARRAYS  
TEMPLATES  
TEST PATTERN GENERATORS  
WIDMANSTATTEN STRUCTURE

#### PATTERSON MAP

GS CHARTS  
    . GRAPHS (CHARTS)  
    . PATTERSON MAP  
RT CRYSTAL LATTICES  
CRYSTAL STRUCTURE  
LATTICE PARAMETERS

#### PAULI EXCLUSION PRINCIPLE

GS QUANTUM MECHANICS  
    . PAULI EXCLUSION PRINCIPLE  
    WAVE FUNCTIONS  
    . PAULI EXCLUSION PRINCIPLE  
RT ATOMIC STRUCTURE  
EXCLUSION  
FERMIONS

#### PAVEMENTS

RT ASPHALT  
COATINGS  
CONCRETES  
FOUNDATIONS  
HIGHWAYS  
ROADS  
RUNWAYS  
STREETS

#### PAYLOAD ASSIST MODULE

GS MODULES  
    . PAYLOAD ASSIST MODULE  
    ROCKET VEHICLES  
    . PAYLOAD ASSIST MODULE  
RT INSTRUMENT PACKAGES  
PAYLOADS  
SPACE SHUTTLE PAYLOADS  
SPACE TRANSPORTATION SYSTEM  
SPACEBORNE EXPERIMENTS

# PDP 11/70 COMPUTER

## PAYLOAD CONTROL

RT ∞ CONTROL  
PAYLOADS  
SOUNDING ROCKETS  
SPACE SHUTTLES

## PAYLOAD DELIVERY (STS)

GS DELIVERY  
RT . PAYLOAD DELIVERY (STS)  
ELECTRIC POWER SUPPLIES  
ORBIT TRANSFER VEHICLES  
ORBITAL LAUNCHING  
PAYLOADS  
POWER MODULES (STS)  
SOLAR ARRAYS  
SPACE TRANSPORTATION SYSTEM

## PAYLOAD DEPLOYMENT & RETRIEVAL SYSTEM

GS PAYLOAD DEPLOYMENT & RETRIEVAL  
SYSTEM  
RT . REMOTE MANIPULATOR SYSTEM  
MANIPULATORS  
NASA PROGRAMS  
ORBIT TRANSFER VEHICLES  
PAYLOADS  
REMOTE HANDLING  
SPACE SHUTTLES  
∞ SYSTEMS

## PAYLOAD INTEGRATION

RT MISSION PLANNING  
PAYLOAD INTEGRATION PLAN  
PAYLOADS  
SPACE SHUTTLE PAYLOADS

## PAYLOAD INTEGRATION PLAN

RT PAYLOAD INTEGRATION  
PAYLOADS  
∞ PLANS  
SPACE SHUTTLE ORBITERS  
SPACE SHUTTLE PAYLOADS  
SPACE TRANSPORTATION SYSTEM  
SPACEBORNE EXPERIMENTS

## PAYLOAD MASS RATIO

GS RATIOS  
MASS RATIOS  
RT . PAYLOAD MASS RATIO  
MULTISTAGE ROCKET VEHICLES  
PIGGYBACK SYSTEMS  
PRESSURE RATIO  
PROPELLANT MASS RATIO

## PAYLOAD RETRIEVAL (STS)

GS RETRIEVAL  
RT . PAYLOAD RETRIEVAL (STS)  
ORBIT TRANSFER VEHICLES  
ORBITAL RENDEZVOUS  
PAYLOAD TRANSFER  
REMOTE MANIPULATOR SYSTEM  
SPACE SHUTTLES  
SPACE TRANSPORTATION SYSTEM  
STATIONKEEPING

## PAYLOAD STATIONS

GS STATIONS  
RT . PAYLOAD STATIONS  
PAYLOADS  
SPACE TRANSPORTATION

## PAYLOAD TRANSFER

RT ORBITAL SERVICING  
PAYLOAD RETRIEVAL (STS)  
SPACE MAINTENANCE

## PAYLOADS

GS PAYLOADS  
EXPOS (SPACELAB PAYLOAD)  
OSTA-2 PAYLOAD  
SEPAC (PAYLOAD)  
SHUTTLE IMAGING RADAR  
SORTIE SYSTEMS  
SPACE SHUTTLE PAYLOADS  
ADVANCED TECHNOLOGY  
LABORATORY  
ASTRO MISSIONS (STS)  
ATMOSPHERIC GENERAL  
CIRCULATION EXPERIMENT  
EARTH RADIATION BUDGET  
EXPERIMENT  
EARTH VIEWING APPLICATIONS  
LABORATORY  
ELECTROMAGNETIC ENVIRONMENT  
EXPERIMENT

## PAYLOADS-(CONT.)

GET AWAY SPECIALS (STS)  
HALOGEN OCCULTATION  
EXPERIMENT  
OSS-1 PAYLOAD  
OSTA-1 PAYLOAD  
OSTA-3 PAYLOAD  
PHYSICS AND CHEMISTRY  
EXPERIMENT IN SPACE  
PLASMA INTERACTION EXPERIMENT  
SPACELAB  
X RAY ASTROPHYSICS FACILITY  
SPACE STATION PAYLOADS  
SPACELAB PAYLOADS  
AMPS (SATELLITE PAYLOAD)  
ATMOSPHERIC CLOUD PHYSICS LAB  
(SPACELAB)  
ATMOSPHERIC GENERAL  
CIRCULATION EXPERIMENT  
GEOPHYSICAL FLUID FLOW CELLS  
SOLAR CELL CALIBRATION FACILITY  
RT AIRCRAFT PERFORMANCE  
AIRCRAFT SPECIFICATIONS  
ANNULAR SUSPENSION AND POINTING  
SYSTEM  
APOLLO LUNAR SURFACE EXPERIMENTS  
PACKAGE  
ASTEROID CAPTURE  
EASEP  
GERMAN INFRARED LABORATORY  
INSTRUMENT PACKAGES  
LIRTS (TELESCOPE)  
LOADING  
LOADS (FORCES)  
PASSENGERS  
PAYLOAD ASSIST MODULE  
PAYLOAD CONTROL  
PAYLOAD DELIVERY (STS)  
PAYLOAD DEPLOYMENT & RETRIEVAL  
SYSTEM  
PAYLOAD INTEGRATION  
PAYLOAD INTEGRATION PLAN  
PAYLOAD STATIONS  
PIGGYBACK SYSTEMS  
SPACE PROCESSING APPLICATIONS  
ROCKET  
SPACE TRANSPORTATION  
SPACE TUGS  
SPACEBORNE EXPERIMENTS  
VERTICAL 8 ROCKET  
WARHEADS  
WEIGHT  
WEIGHT (MASS)

## PBB

USE POLYBROMINATED BIPHENYLS

## PBRE (REACTORS)

USE PEBBLE BED REACTORS

## PCB

USE POLYCHLORINATED BIPHENYLS

## PCM (MATERIALS)

USE PHASE CHANGE MATERIALS

## PCM (MODULATION)

USE PULSE CODE MODULATION

## PCM TELEMETRY

GS TELECOMMUNICATION  
TELEMETRY  
PCM TELEMETRY  
TRANSMISSION  
SIGNAL TRANSMISSION  
TELEMETRY  
PCM TELEMETRY  
RT DIFFERENTIAL PULSE CODE  
MODULATION  
PULSE CODE MODULATION

## PD-808 AIRCRAFT

UF DOUGLAS PD-808 AIRCRAFT  
PIAGGIO-DOUGLAS PD-808 AIRCRAFT  
GS JET AIRCRAFT  
PD-808 AIRCRAFT  
LIGHT AIRCRAFT  
PD-808 AIRCRAFT  
MCDONNELL DOUGLAS AIRCRAFT  
DOUGLAS AIRCRAFT  
PD-808 AIRCRAFT  
MONOPLANES  
PD-808 AIRCRAFT  
PIAGGIO AIRCRAFT  
PD-808 AIRCRAFT

## PD-808 AIRCRAFT-(CONT.)

UTILITY AIRCRAFT  
PD-808 AIRCRAFT  
RT AIRCRAFT  
PASSENGER AIRCRAFT

## PDM (MODULATION)

USE PULSE DURATION MODULATION

## PDP COMPUTERS

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
PDP COMPUTERS  
PDP 7 COMPUTER  
PDP 8 COMPUTER  
PDP 9 COMPUTER  
PDP 10 COMPUTER  
PDP 11 COMPUTER  
PDP 11/20 COMPUTER  
PDP 11/40 COMPUTER  
PDP 11/45 COMPUTER  
PDP 11/50 COMPUTER  
PDP 11/70 COMPUTER  
PDP 12 COMPUTER

## PDP 7 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
PDP COMPUTERS  
PDP 7 COMPUTER  
RT PDP 9 COMPUTER

## PDP 8 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
PDP COMPUTERS  
PDP 8 COMPUTER

## PDP 9 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
PDP COMPUTERS  
PDP 9 COMPUTER  
RT PDP 7 COMPUTER

## PDP 10 COMPUTER

UF SYSTEM 10 COMPUTER  
GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
PDP COMPUTERS  
PDP 10 COMPUTER

## PDP 11 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
PDP COMPUTERS  
PDP 11 COMPUTER

## PDP 11/20 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
PDP COMPUTERS  
PDP 11/20 COMPUTER

## PDP 11/40 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
PDP COMPUTERS  
PDP 11/40 COMPUTER

## PDP 11/45 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
PDP COMPUTERS  
PDP 11/45 COMPUTER

## PDP 11/50 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
PDP COMPUTERS  
PDP 11/50 COMPUTER

## PDP 11/70 COMPUTER

GS DATA PROCESSING EQUIPMENT

## PDP 12 COMPUTER

### PDP 11/70 COMPUTER-(CONT.)

. COMPUTERS  
. DIGITAL COMPUTERS  
. PDP COMPUTERS  
. PDP 11/70 COMPUTER

### PDP 12 COMPUTER

GS DATA PROCESSING EQUIPMENT  
. COMPUTERS  
. DIGITAL COMPUTERS  
. PDP COMPUTERS  
. PDP 12 COMPUTER

### PDP 15 COMPUTER

GS DATA PROCESSING EQUIPMENT  
. COMPUTERS  
. DIGITAL COMPUTERS  
. PDP 15 COMPUTER

### PEACETIME

RT ELECTRONIC WARFARE  
HISTORIES  
INTERNATIONAL COOPERATION  
INTERNATIONAL LAW  
WARFARE

### ∞ PEAKS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*

RT APEXES  
EXTREMUM VALUES  
MAXIMA  
MOUNTAINS  
PLATEAUS

### PEAKS (LANDFORMS)

UF PINNACLES  
GS LANDFORMS  
. PEAKS (LANDFORMS)  
. PIKE'S PEAK (CO)  
RT MOUNTAINS  
OROGRAPHY  
TOPOGRAPHY

### PEARLITE

RT CEMENTITE  
FERRITES  
IRON ALLOYS  
MICROSTRUCTURE  
STEELS

### PEARSON DISTRIBUTIONS

GS FUNCTIONS (MATHEMATICS)  
. PROBABILITY DENSITY FUNCTIONS  
. PEARSON DISTRIBUTIONS  
STATISTICAL ANALYSIS  
. PROBABILITY DENSITY FUNCTIONS  
. PEARSON DISTRIBUTIONS  
STATISTICAL DISTRIBUTIONS  
. PEARSON DISTRIBUTIONS

### PEAT

GS CARBONACEOUS MATERIALS  
. PEAT  
ORGANIC MATERIALS  
. PEAT  
RESOURCES  
. EARTH RESOURCES  
. FOSSIL FUELS  
. PEAT  
RT COAL  
SEDIMENTS

### PEBBLE BED REACTORS

UF PBRE (REACTORS)  
GS NUCLEAR REACTORS  
. PEBBLE BED REACTORS  
RT REACTOR DESIGN  
REACTOR TECHNOLOGY

### PECLET NUMBER

GS RATIOS  
. DIMENSIONLESS NUMBERS  
. PECLET NUMBER  
RT ADVECTION  
HEAT TRANSFER  
PRANDTL NUMBER  
REYNOLDS NUMBER  
THERMAL DIFFUSION

### PECULIAR STARS

GS CELESTIAL BODIES  
. STARS

### PECULIAR STARS-(CONT.)

. . . PECULIAR STARS  
. . . SIGMA ORIONIS  
. . . SYMBIOTIC STARS  
RT A STARS  
B STARS  
HOT STARS  
MAGNETIC STARS  
STELLAR SPECTRA  
STELLAR SPECTROPHOTOMETRY  
STELLAR STRUCTURE

### PEDALS

RT LEVERS  
MANUAL CONTROL

### PEDIMENTS

USE PIEDMONT

### PEDIPLAINS

USE PIEDMONT

### PEDOLOGY

USE SOIL SCIENCE

### PEEK

UF POLYETHERETHERKETONES  
GS PLASTICS  
. SYNTHETIC RESINS  
. POLYETHER RESINS  
. . . PEEK  
. THERMOPLASTIC RESINS  
. . . PEEK  
RESINS  
. SYNTHETIC RESINS  
. POLYETHER RESINS  
. . . PEEK  
. THERMOPLASTIC RESINS  
. . . PEEK  
RT CARBON FIBER REINFORCED PLASTICS  
ETHERS  
KETONES  
POLYMER MATRIX COMPOSITES  
RESIN MATRIX COMPOSITES

### PEELING

RT ADHESION  
CUTTING  
DELAMINATING  
FLAKING  
MECHANICAL PROPERTIES  
SHEDDING  
∞ STRIPPING

### PEENING

GS METAL FINISHING  
. PEENING  
. SHOT PEENING  
RT COLD WORKING  
HARDENING (MATERIALS)  
METAL WORKING  
WORK HARDENING

### PEGASUS COMPUTER

GS DATA PROCESSING EQUIPMENT  
. COMPUTERS  
. PEGASUS COMPUTER

### PEGASUS ENGINE

USE BRISTOL-SIDDELEY BS 53 ENGINE

### PEGASUS SATELLITES

GS ARTIFICIAL SATELLITES  
. PEGASUS SATELLITES  
RT SATURN PROJECT

### PELAGIC ZONE

GS REGIONS  
. PELAGIC ZONE  
RT OCEANOGRAPHY

### PELLETS

RT BRIQUETS  
FUEL CAPSULES  
GRANULAR MATERIALS  
NUCLEAR FUELS  
∞ SHOT

### PELLICLE

RT THIN FILMS

### PELOMYXA

GS ANIMALS  
. PROTOZOA

### PELOMYXA-(CONT.)

. . . AMOEBA  
. . . PELOMYXA  
MICROORGANISMS  
. PROTOZOA  
. AMOEBA  
. . . PELOMYXA

### PELTIER EFFECTS

RT ∞ EFFECTS  
SEEBECK EFFECT  
TEMPERATURE EFFECTS  
THERMOCOUPLES  
THERMOELECTRIC COOLING  
THERMOELECTRICITY  
THERMOPHYSICAL PROPERTIES

### PELVIS

GS ANATOMY  
. MUSCULOSKELETAL SYSTEM  
. BONES  
. . . PELVIS  
RT GIRDLES

### PENALTIES

GS LAW (JURISPRUDENCE)  
. PUBLIC LAW  
. . . PENALTIES  
RT AIR LAW  
DISCIPLINING  
JUDGMENTS  
LEGAL LIABILITY  
LIABILITIES  
PROHIBITION  
REGULATIONS

### PENALTY FUNCTION

GS FUNCTIONS (MATHEMATICS)  
. PENALTY FUNCTION  
RT CONSTRAINTS  
∞ FUNCTIONS  
MAXIMA  
MINIMA  
OPTIMIZATION

### PENCIL BEAMS

GS BEAMS (RADIATION)  
. PENCIL BEAMS  
RT ANTENNA DESIGN  
ANTENNA RADIATION PATTERNS  
RADAR BEAMS

### PENDULOUS GYROSCOPES

USE GYROSCOPIC PENDULUMS

### PENDULUMS

GS OSCILLATORS  
. MECHANICAL OSCILLATORS  
. . . PENDULUMS  
. . . GYROSCOPIC PENDULUMS  
RT ACCELEROMETERS  
GRAVITATION  
MOMENTUM  
OSCILLATIONS  
TIMING DEVICES

### PENEPLAINS

GS LAND  
. PLAINS  
. . . PENEPLAINS  
RT EROSION  
GEOLOGY  
SOIL EROSION  
TOPOGRAPHY  
WIND EROSION

### PENETRANTS

RT ∞ AGENTS  
PRESERVATIVES  
RETARDANTS

### PENETRATING PARTICLES

USE CORPUSCULAR RADIATION

### PENETRATION

RT DIFFUSION  
DRILLING  
FRAGMENTATION  
HYDRODYNAMIC RAM EFFECT  
IMPACT  
NUCLEAR VULNERABILITY  
PERCOLATION  
PERFORATING  
PERMEABILITY

# PERCHLORIC ACID

## PENETRATION-(CONT.)

PERMEATING  
PIERCING  
∞ SATURATION  
SEEPAGE  
TERMINAL BALLISTICS  
VULNERABILITY

## PENETRATION BALLISTICS

USE TERMINAL BALLISTICS

## PENETROMETERS

GS MEASURING INSTRUMENTS  
∞ PENETROMETERS  
RT LUNAR SOIL

## PENICILLIN

GS DRUGS  
∞ ANTIBIOTICS  
∞ PENICILLIN

## PENINSULAR RANGES (CA)

GS LANDFORMS  
∞ MOUNTAINS  
∞ PENINSULAR RANGES (CA)  
RT CALIFORNIA

## PENINSULAS

GS LANDFORMS  
∞ PENINSULAS  
∞ DELMARVA PENINSULA (DE-MD-VA)  
RT ISTHMOSES  
LAND  
WATER

## PENNING DISCHARGE

GS ELECTRIC CURRENT  
∞ ELECTRIC DISCHARGES  
∞ PENNING DISCHARGE  
RT ELECTRODELESS DISCHARGES  
GAS IONIZATION  
ION MOTION  
PLASMA GENERATORS

## PENNING EFFECT

RT ∞ EFFECTS  
GAS IONIZATION  
METASTABLE ATOMS

## PENNING GAGES

GS MEASURING INSTRUMENTS  
∞ PRESSURE GAGES  
∞ VACUUM GAGES  
∞ IONIZATION GAGES  
∞ PENNING GAGES  
VACUUM APPARATUS  
∞ VACUUM GAGES  
∞ IONIZATION GAGES  
∞ PENNING GAGES

## PENNSYLVANIA

GS NATIONS  
∞ UNITED STATES  
∞ PENNSYLVANIA  
RT ALLEGHENY PLATEAU (US)  
DELAWARE BAY (US)  
DELAWARE RIVER BASIN (US)  
OHIO RIVER (US)  
SUSQUEHANNA RIVER BASIN  
(MD-NY-PA)

## ∞ PENS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
UF STYLUSES  
RT ENCLOSURES  
RECORDING INSTRUMENTS

## PENTABORANES

GS BORON COMPOUNDS  
∞ BORON HYDRIDES  
∞ BORANES  
∞ PENTABORANES  
HYDROGEN COMPOUNDS  
HYDRIDES  
∞ BORON HYDRIDES  
∞ BORANES  
∞ PENTABORANES

## PENTACHLORIDES

USE CHLORIDES

## PENTAERYTHRITOL TETRANITRATE

USE PETN

## PENTANES

GS ORGANIC COMPOUNDS  
∞ HYDROCARBONS  
∞ ALIPHATIC HYDROCARBONS  
∞ ALKANES  
∞ PENTANES  
∞ NEOPENTANE

## PENTANONE

GS KETONES  
∞ PENTANONE  
ORGANIC COMPOUNDS  
∞ PENTANONE  
RT ACETONE  
ACETYLACETONE

## PENTOBARBITAL

RT DRUGS  
NARCOTICS  
SEDATIVES

## PENTOBARBITAL SODIUM

GS DRUGS  
∞ PENTOBARBITAL SODIUM  
∞ RESERPINE  
RT NEMBUTAL (TRADEMARK)

## PENTODES

RT ELECTRON TUBES  
SEMICONDUCTOR DEVICES  
TETRODES  
TRANSISTORS  
VACUUM TUBES

## PENTOLITE

GS EXPLOSIVES  
∞ PENTOLITE  
PROPELLANTS  
∞ PENTOLITE

## PENTOSE

GS ORGANIC COMPOUNDS  
∞ CARBOHYDRATES  
∞ SUGARS  
∞ MONOSACCHARIDES  
∞ PENTOSE  
∞ RIBOSE  
∞ XYLOSE

## PENUMBRAS

GS SHADOWS  
∞ PENUMBRAS  
RT ECLIPSES  
UMBRAS

## PEOPLE SATELLITES

GS ARTIFICIAL SATELLITES  
∞ FRENCH SATELLITES  
∞ PEOPLE SATELLITES  
RT GEOPHYSICAL SATELLITES

## PEOPLES DEMOCRATIC REPUBLIC OF GERMANY

USE EAST GERMANY

## PEPPERS

RT ∞ FOOD

## PEPSIN

GS BIOPOLYMERS  
∞ PROTEINS  
∞ ENZYMES  
∞ PEPSIN  
ORGANIC COMPOUNDS  
∞ PROTEINS  
∞ ENZYMES  
∞ PEPSIN  
RT PAPAIN

## PEPTIDES

GS ORGANIC COMPOUNDS  
∞ PEPTIDES  
∞ POLYPEPTIDES  
∞ GLUTATHIONE  
∞ HYPERTENSIN  
RT AMINO ACIDS  
ASPARTIC ACID  
PROTEINS

## PERCENTAGE

USE RATIOS

## PERCEPTION

GS PERCEPTION  
∞ BINAURAL HEARING  
∞ MOTION PERCEPTION  
∞ SENSORY PERCEPTION  
∞ AUDITORY PERCEPTION  
∞ CONSCIOUSNESS  
∞ EXTRASENSORY PERCEPTION  
∞ KINESTHESIA  
∞ OLFACTORY PERCEPTION  
∞ PAIN  
∞ PAIN SENSITIVITY  
∞ PROPRIOCEPTION  
∞ AUTOKINESIS  
∞ TASTE  
∞ TOUCH  
∞ TACTILE DISCRIMINATION  
∞ VERTICAL PERCEPTION  
∞ VIBRATION PERCEPTION  
∞ VISUAL PERCEPTION  
∞ CRITICAL FLICKER FUSION  
∞ SPACE PERCEPTION  
∞ AUTOKINESIS  
∞ VISUAL DISCRIMINATION  
∞ SOUND LOCALIZATION  
RT ACUITY  
ADAPTATION  
ARTIFICIAL INTELLIGENCE  
CHARACTER RECOGNITION  
COGNITION  
COLOR  
CONTRAST  
ELECTROCUTANEOUS COMMUNICATION  
∞ FREQUENCY RESPONSE  
IDENTIFYING  
ILLUSIONS  
IMAGES  
INFORMATION PROCESSING (BIOLOGY)  
∞ INTERPRETATION  
KNOWLEDGE  
LEGIBILITY  
MONOCULAR VISION  
PERCEPTUAL TIME CONSTANT  
READING  
RESOLUTION  
RETINAL ADAPTATION  
SENSITIVITY  
SENSORY DEPRIVATION  
SENSORY FEEDBACK  
SYMBOLS  
THRESHOLDS (PERCEPTION)  
VISIBILITY  
VISION

## PERCEPTONS

USE SELF ORGANIZING SYSTEMS

## PERCEPTUAL ERRORS

RT DISPLAY DEVICES  
VISUAL PERCEPTION  
VISUAL STIMULI

## PERCEPTUAL TIME CONSTANT

GS CONSTANTS  
∞ TIME CONSTANT  
∞ PERCEPTUAL TIME CONSTANT  
RT PERCEPTION  
REACTION TIME  
SENSE ORGANS  
SENSORIMOTOR PERFORMANCE  
VELOCITY

## PERCHLORATES

GS HALOGEN COMPOUNDS  
∞ CHLORINE COMPOUNDS  
∞ PERCHLORATES  
∞ ALUMINUM PERCHLORATES  
∞ AMMONIUM PERCHLORATES  
∞ HYDRAZINE PERCHLORATES  
∞ HYDROGEN PERCHLORATE  
∞ HYDROXYLAMMONIUM  
PERCHLORATES  
∞ LITHIUM PERCHLORATES  
∞ MAGNESIUM PERCHLORATES  
∞ NITRONIUM PERCHLORATE  
∞ POTASSIUM PERCHLORATES  
RT CHLORATES  
PERCHLORIC ACID

## PERCHLORIC ACID

GS ACIDS  
∞ PERCHLORIC ACID  
RT PERCHLORATES



## PERCHLORYL FLUORIDES

### PERCHLORYL FLUORIDES

- GS HALOGEN COMPOUNDS
- ... FLUORINE COMPOUNDS
- ... FLUORIDES
- ... **PERCHLORYL FLUORIDES**
- ... HALIDES
- ... FLUORIDES
- ... **PERCHLORYL FLUORIDES**

### PERCOLATION

- RT BEDS (PROCESS ENGINEERING)
- CONCENTRATING
- DIFFUSION
- EXTRACTION
- FILTRATION
- INTERSTICES
- LEACHING
- LYSIMETERS
- PENETRATION
- PERMEABILITY
- PERMEATING
- SEEPAGE
- ∞ SEPARATION
- VOIDS

### PERCUS METHOD

- RT FLOW EQUATIONS
- INTEGRAL EQUATIONS
- ∞ METHODOLOGY

### PERCUSSION

- RT DETONATION
- IMPACT
- PHYSICAL EXAMINATIONS
- PRIMERS (EXPLOSIVES)

### PERFECT GAS

- USE IDEAL GAS

### PERFLUORO COMPOUNDS

- GS **PERFLUORO COMPOUNDS**
- ... PERFLUOROALKANE
- ... PERFLUOROGUANIDINE

### PERFLUOROALKANE

- GS HALOGEN COMPOUNDS
- ... FLUORINE COMPOUNDS
- ... FLUORO COMPOUNDS
- ... DIFLUORO COMPOUNDS
- ... **PERFLUOROALKANE**
- ... FLUORINE ORGANIC COMPOUNDS
- ... **PERFLUOROALKANE**
- ORGANIC COMPOUNDS
- ... FLUORINE ORGANIC COMPOUNDS
- ... **PERFLUOROALKANE**
- PERFLUORO COMPOUNDS
- ... **PERFLUOROALKANE**

### PERFLUOROGUANIDINE

- GS HALOGEN COMPOUNDS
- ... FLUORINE COMPOUNDS
- ... FLUORO COMPOUNDS
- ... FLUORINE ORGANIC COMPOUNDS
- ... **PERFLUOROGUANIDINE**
- ORGANIC COMPOUNDS
- ... FLUORINE ORGANIC COMPOUNDS
- ... **PERFLUOROGUANIDINE**
- PERFLUORO COMPOUNDS
- ... **PERFLUOROGUANIDINE**

### PERFLUOROGUANIDINE

- RT GUANIDINES

### PERFORATED PLATES

- GS STRUCTURAL MEMBERS
- ... PLATES (STRUCTURAL MEMBERS)
- ... **PERFORATED PLATES**
- RT ANISOTROPIC PLATES
- CAVITIES
- HOLE GEOMETRY (MECHANICS)
- OPENINGS
- ∞ PERFORATION
- STRESS CONCENTRATION

### PERFORATED SHELLS

- GS SHELLS (STRUCTURAL FORMS)
- ... **PERFORATED SHELLS**
- RT ARCHES
- CAVITIES
- ENCLOSURES
- FAIRINGS
- HOLE DISTRIBUTION (MECHANICS)
- HOLE GEOMETRY (MECHANICS)
- HOUSINGS
- HULLS (STRUCTURES)
- MEMBRANE STRUCTURES

### PERFORATED SHELLS-(CONT.)

- NACELLES
- ∞ PERFORATION
- PRESSURE VESSEL DESIGN
- ROCKET ENGINE CASES
- SHELL THEORY
- STRESS CONCENTRATION

### PERFORATING

- RT BURNTHROUGH (FAILURE)
- CUTTING
- DRILLING
- FORMATIONS
- FRACTURING
- GAS INJECTION
- INJECTION
- METAL CUTTING
- METAL WORKING
- PENETRATION
- ∞ PERFORATION
- PIERCING
- WATER INJECTION

### ∞ PERFORATION

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT CAVITIES
- PERFORATED PLATES
- PERFORATED SHELLS
- PERFORATING
- PIERCING

### ∞ PERFORMANCE

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT AIRCRAFT PERFORMANCE
- ASTRONAUT PERFORMANCE
- COMFORT
- COMPLEXITY
- COMPUTER SYSTEMS PERFORMANCE
- CONSISTENCY
- EFFICIENCY
- EFFORT
- ENVIRONMENTS
- EVALUATION
- EXAMINATION
- FATIGUE (BIOLOGY)
- FIGURE OF MERIT
- FLIGHT CHARACTERISTICS
- HUMAN FACTORS ENGINEERING
- HUMAN PERFORMANCE
- LONG TERM EFFECTS
- MENTAL PERFORMANCE
- MODULATION TRANSFER FUNCTION
- OBSERVATION
- OPERATOR PERFORMANCE
- OPTICAL TRANSFER FUNCTION
- OUTPUT
- PERFORMANCE TESTS
- PILOT PERFORMANCE
- POSTFLIGHT ANALYSIS
- PROPULSION SYSTEM PERFORMANCE
- QUALITY
- RATINGS
- RELIABILITY
- SPACECRAFT PERFORMANCE
- STANDARDS
- TASK COMPLEXITY
- TRAINING EVALUATION

### PERFORMANCE PREDICTION

- GS FORECASTING
- ... **PERFORMANCE PREDICTION**
- PREDICTIONS
- ... **PERFORMANCE PREDICTION**
- RT EVALUATION
- MANAGEMENT
- PREDICTION ANALYSIS TECHNIQUES
- RELIABILITY
- RELIABILITY ANALYSIS
- RELIABILITY ENGINEERING

### PERFORMANCE TESTS

- SN (APPLY ONLY TO OPERATING EQUIPMENT)
- RT ACCELERATED LIFE TESTS
- ACCEPTABILITY
- CERTIFICATION
- CHECKOUT
- COMPUTER SYSTEMS PERFORMANCE
- INSPECTION
- ∞ PERFORMANCE
- SPACE VEHICLE CHECKOUT PROGRAM

### PERFORMANCE TESTS-(CONT.)

- SPECIFICATIONS
- STANDARDS
- ∞ TESTS

### PERFUSION

- USE DIFFUSION

### PERICLASE

- GS CHALCOGENIDES
- ... OXIDES
- ... METAL OXIDES
- ... ALKALINE EARTH OXIDES
- ... MAGNESIUM OXIDES
- ... **PERICLASE**
- MAGNESIUM COMPOUNDS
- ... MAGNESIUM OXIDES
- ... **PERICLASE**

### PERIDOTITE

- UF KIMBERLITE
- GS ROCKS
- ... IGNEOUS ROCKS
- ... **PERIDOTITE**
- RT CHROMITES
- DUNITE
- OLIVINE
- REGOLITH
- SOILS

### PERIGEE-APOGEE SATELLITES

- USE PAS

### PERIGEEES

- GS APSIDES
- ... **PERIGEEES**
- ORBITS
- ... EARTH ORBITS
- ... **PERIGEEES**
- ... ELLIPTICAL ORBITS
- ... **PERIGEEES**
- RT APOGEEES
- PERILUNES

### PERIHELIONS

- GS APSIDES
- ... **PERIHELIONS**
- ORBITS
- ... ELLIPTICAL ORBITS
- ... **PERIHELIONS**
- ... SOLAR ORBITS
- ... **PERIHELIONS**
- RT APHELIONS

### PERILUNES

- GS APSIDES
- ... **PERILUNES**
- RT LUNAR ORBITS
- LUNAR SATELLITES
- PERIGEEES

### PERIOD DOUBLING

- GS BRANCHING (MATHEMATICS)
- ... **PERIOD DOUBLING**
- RT CHAOS
- PERIODIC FUNCTIONS
- TRANSITION FLOW
- TURBULENCE
- TURBULENT FLOW

### PERIOD EQUATIONS

- USE PERIODIC FUNCTIONS

### PERIODIC FUNCTIONS

- UF PERIOD EQUATIONS
- GS ANALYSIS (MATHEMATICS)
- ... REAL VARIABLES
- ... **PERIODIC FUNCTIONS**
- ... TRIGONOMETRIC FUNCTIONS
- ... COSINE SERIES
- ... SINE SERIES
- ... TANGENTS
- FUNCTIONS (MATHEMATICS)
- ... TRANSCENDENTAL FUNCTIONS
- ... **PERIODIC FUNCTIONS**
- ... TRIGONOMETRIC FUNCTIONS
- ... COSINE SERIES
- ... SINE SERIES
- ... TANGENTS
- RT FLOQUET THEOREM
- FOURIER ANALYSIS
- PERIOD DOUBLING

## PERSONNEL

### PERIODIC ORBITS

USE ORBITS

### PERIODIC PROCESSES

USE CYCLES

### PERIODIC VARIATIONS

UF PERIODICITY  
GS VARIATIONS  
    . PERIODIC VARIATIONS  
    . . ALTERNATIONS  
    . . ANNUAL VARIATIONS  
    . . DIURNAL VARIATIONS  
    . . NOCTURNAL VARIATIONS  
    . . SECULAR VARIATIONS  
RT AUTOCORRELATION  
    CATACLYSMIC VARIABLES  
    CLIMATOLOGY  
    CYCLES  
    DENDROCHRONOLOGY  
    EL NINO  
    EXTRAPOLATION  
    FOURIER ANALYSIS  
    LONG TERM EFFECTS  
    OSCILLATIONS  
    OSCILLATORS  
    POLAR WANDERING (GEOLOGY)  
     $\infty$  RHYTHM  
    SEMIREGULAR VARIABLE STARS  
    SOUTHERN OSCILLATION  
    TRENDS  
    VARIABILITY  
    VARIABLE STARS

### PERIODICALS

UF JOURNALS (DOCUMENTS)  
GS DOCUMENTS  
    . PERIODICALS  
RT  $\infty$  JOURNALS  
    RECORDS

### PERIODICITY

USE PERIODIC VARIATIONS

### PERIODICITY (BIOLOGY)

USE RHYTHM (BIOLOGY)

### PERIPHERAL CIRCULATION

GS CIRCULATION  
    . BLOOD CIRCULATION  
    . . PERIPHERAL CIRCULATION

### PERIPHERAL EQUIPMENT (COMPUTERS)

SN (EXCLUDES COMPUTER-CONTROLLED EQUIPMENT)  
UF AUXILIARY EQUIPMENT (COMPUTERS)  
GS DATA PROCESSING EQUIPMENT  
    . PERIPHERAL EQUIPMENT (COMPUTERS)  
    . . PRINTERS (DATA PROCESSING)  
    . . REMOTE CONSOLES  
RT ANALOG TO DIGITAL CONVERTERS  
    COMPUTER STORAGE DEVICES  
    COMPUTER SYSTEMS DESIGN  
    DATA PROCESSING  
    DIGITAL TO ANALOG CONVERTERS  
     $\infty$  EQUIPMENT  
    MAGNETIC DISKS  
    MAGNETIC TAPES  
    MODEMS  
    PLOTTERS

### PERIPHERAL JET FLOW

GS FLUID FLOW  
    . JET FLOW  
    . . PERIPHERAL JET FLOW  
RT DOWNWASH  
    GROUND EFFECT (AERODYNAMICS)  
    GROUND EFFECT MACHINES  
    LIFT AUGMENTATION

### PERIPHERAL NERVOUS SYSTEM

GS ANATOMY  
    . NERVOUS SYSTEM  
    . . PERIPHERAL NERVOUS SYSTEM  
RT NEUROMUSCULAR TRANSMISSION  
     $\infty$  SYSTEMS

### PERIPHERAL VISION

GS VISION  
    . PERIPHERAL VISION  
RT SPACE PERCEPTION  
    VISUAL ACUITY  
    VISUAL FIELDS

### PERIPHERIES

USE BOUNDARIES

### PERISCOPES

GS OPTICAL EQUIPMENT  
    . PERISCOPES  
RT BINOCULARS  
    EYEPIECES  
    OPTICAL MEASURING INSTRUMENTS  
    TELESCOPES  
    VIEWING

### PERITONEUM

GS ANATOMY  
    . PERITONEUM  
    MEMBRANES  
    . PERITONEUM  
RT ABDOMEN  
    EPITHELIUM  
    TISSUES (BIOLOGY)  
    VISCERA

### PERMAFROST

UF FROZEN SOILS  
GS SOILS  
    . PERMAFROST  
RT AUFEIS (ICE)  
    POLAR REGIONS

### PERMALLOYS (TRADEMARK)

GS ALLOYS  
    . PERMALLOYS (TRADEMARK)  
    MAGNETIC MATERIALS  
    . FERROMAGNETIC MATERIALS  
    . . PERMALLOYS (TRADEMARK)  
RT IRON ALLOYS  
    MAGNETS  
    MOLYBDENUM ALLOYS  
    NICKEL ALLOYS  
    PERMANENT MAGNETS

### PERMANENT MAGNETS

GS MAGNETS  
    . PERMANENT MAGNETS  
RT FERRIMAGNETS  
    FERROMAGNETIC MATERIALS  
    MAGNETIC MATERIALS  
    PERMALLOYS (TRADEMARK)

### PERMANGANATES

GS MANGANESE COMPOUNDS  
    . PERMANGANATES  
RT MANGANESE IONS

### PERMEABILITY

SN (EXCLUDES MAGNETIC PERMEABILITY)  
GS PERMEABILITY  
    . DIELECTRIC PERMEABILITY  
RT AQUIFERS  
    DENSITY (MASS/VOLUME)  
    DIFFUSION  
    DIFFUSIVITY  
    DRAINAGE  
    FORMATIONS  
    INFILTRATION  
    INTERSTICES  
    LEACHING  
    LEAKAGE  
    MECHANICAL PROPERTIES  
    PENETRATION  
    PERCOLATION  
    PERMEATING  
     $\infty$  PHYSICAL PROPERTIES  
    POROSITY  
     $\infty$  RESISTANCE  
    SEEPAGE  
    SURFACE PROPERTIES  
    VOID RATIO  
    VOIDS  
    WETTABILITY

### PERMEATING

RT  $\infty$  ABSORPTION  
    DESORPTION  
    DIALYSIS  
    DIFFUSION  
    DISPERSING  
    IMPREGNATING  
    OSMOSIS  
    PENETRATION  
    PERCOLATION  
    PERMEABILITY  
    POROSITY  
    REVERSE OSMOSIS  
     $\infty$  SATURATION

### PERMEATING-(CONT.)

SORPTION  
TRANSPIRATION

### PERMISSIVITY

RT COMPATIBILITY  
    PSYCHOLOGICAL FACTORS

### PERMITTIVITY

UF DIELECTRIC CONSTANT  
GS ELECTRICAL PROPERTIES  
    . DIELECTRIC PROPERTIES  
    . . PERMITTIVITY  
RT ELECTRIC FIELDS  
    FIELD STRENGTH

### PERMUTATIONS

GS ANALYSIS (MATHEMATICS)  
    . COMBINATORIAL ANALYSIS  
    . . PERMUTATIONS  
RT  $\infty$  COMBINATION  
    COMBINATIONS (MATHEMATICS)  
    PARTITIONS (MATHEMATICS)  
    SET THEORY

### PEROVSKITES

GS CALCIUM COMPOUNDS  
    . PEROVSKITES  
    MINERALS  
    . PEROVSKITES  
    TITANIUM COMPOUNDS  
    . TITANATES  
    . . PEROVSKITES

### PEROXIDES

GS CHALCOGENIDES  
    . OXIDES  
    . . ANHYDRIDES  
    . . . PEROXIDES  
    . . . . INORGANIC PEROXIDES  
    . . . . ORGANIC PEROXIDES  
    . . . . SODIUM PEROXIDES  
RT DIOXIDES

### PERSEID METEORIDS

GS CELESTIAL BODIES  
    . METEOROID SHOWERS  
    . . PERSEID METEORIDS  
    . . . METEORIDS  
    . . . PERSEID METEORIDS

### PERSHING MISSILE

GS MISSILES  
    . BALLISTIC MISSILES  
    . . PERSHING MISSILE  
    . . . SURFACE TO SURFACE MISSILES  
    . . . . PERSHING MISSILE  
RT MULTISTAGE ROCKET VEHICLES  
    SOLID PROPELLANT ROCKET ENGINES

### PERSIAN GULF

GS GULFS  
    . PERSIAN GULF  
RT INLETS (TOPOGRAPHY)

### PERSONAL COMPUTERS

GS DATA PROCESSING EQUIPMENT  
    . COMPUTERS  
    . . DIGITAL COMPUTERS  
    . . . MICROCOMPUTERS  
    . . . . PERSONAL COMPUTERS  
RT COMPUTER TECHNIQUES

### PERSONALITY

RT DEPERSONALIZATION  
    PERSONNEL SELECTION

### PERSONALITY TESTS

RT PSYCHOLOGICAL TESTS  
    PSYCHOMETRICS  
    QUALIFICATIONS  
     $\infty$  TESTS

### PERSONNEL

GS PERSONNEL  
    . AIR TRAFFIC CONTROLLERS (PERSONNEL)  
    . CREWS  
    . . FLIGHT CREWS  
    . . . SPACECREWS  
    . . . ENEMY PERSONNEL  
    . . . FLYING PERSONNEL  
    . . . ASTRONAUTS  
    . . . ORBITAL WORKERS

## PERSONNEL DEVELOPMENT

### PERSONNEL-(CONT.)

. . . COSMONAUTS  
 . . . FLIGHT CREWS  
 . . . SPACECREWS  
 . . . PILOTS (PERSONNEL)  
 . . . AIRCRAFT PILOTS  
 . . . . . TEST PILOTS  
 . . . GROUND CREWS  
 . . . INSTRUCTORS  
 . . . MEDICAL PERSONNEL  
 . . . FLIGHT NURSES  
 . . . PHYSICIANS  
 . . . SURGEONS  
 . . . . . FLIGHT SURGEONS  
 . . . NAVIGATORS  
 . . . OPERATORS (PERSONNEL)  
 . . . PILOTS (PERSONNEL)  
 . . . . . AIRCRAFT PILOTS  
 . . . . . TEST PILOTS  
 . . . POLICE  
 . . . PROGRAMMERS  
 . . . SCIENTISTS  
 RT ∞ COMPLEMENT  
 . . . CONSULTING  
 . . . CREW EXPERIMENT STATIONS  
 . . . CREW OBSERVATION STATIONS  
 . . . CREW WORKSTATIONS  
 . . . DEPERSONALIZATION  
 . . . DEPLOYMENT  
 . . . EMPLOYEE RELATIONS  
 ∞ ESTIMATORS  
 . . . HELMET MOUNTED DISPLAYS  
 . . . HUMAN RESOURCES  
 . . . INCENTIVES  
 . . . INHABITANTS  
 . . . MANPOWER  
 . . . OCCUPATION  
 . . . ORGANIZING  
 . . . POSITION (TITLE)  
 . . . QUALIFICATIONS  
 . . . RESEARCH MANAGEMENT  
 . . . RESOURCES  
 . . . RETIREMENT  
 . . . RETRAINING  
 . . . SERVICES  
 . . . UNIONIZATION  
 . . . WAGE SURVEYS

### PERSONNEL DEVELOPMENT

RT ∞ DEVELOPMENT  
 . . . EMPLOYEE RELATIONS  
 . . . HUMAN RESOURCES  
 . . . MANAGEMENT  
 . . . RESOURCES  
 . . . TRAINING ANALYSIS

### PERSONNEL MANAGEMENT

GS MANAGEMENT  
 . . . INDUSTRIAL MANAGEMENT  
 . . . PERSONNEL MANAGEMENT  
 RT EMPLOYEE RELATIONS  
 . . . HUMAN RELATIONS  
 . . . HUMAN RESOURCES  
 . . . LEADERSHIP  
 . . . MANAGEMENT PLANNING

### PERSONNEL PROPULSION SYSTEMS

USE SELF MANEUVERING UNITS

### PERSONNEL SELECTION

GS SELECTION  
 . . . PERSONNEL SELECTION  
 . . . PILOT SELECTION  
 RT APTITUDE  
 . . . EMPLOYMENT  
 . . . LABOR  
 . . . PERSONALITY  
 . . . PHYSICAL EXAMINATIONS  
 . . . PHYSIOLOGICAL TESTS

### PERSONNEL SUBSYSTEMS

RT INDUSTRIES

### PERSPEX (TRADEMARK)

GS PLASTICS  
 . . . PERSPEX (TRADEMARK)

### PERSPIRATION

UF SWEATING  
 RT BODY FLUIDS  
 . . . BODY TEMPERATURE  
 . . . EVAPORATION  
 . . . EXCRETION  
 . . . FECES  
 . . . HEAT ACCLIMATIZATION

### PERSPIRATION-(CONT.)

HUMIDITY  
 PALMAR SWEAT INDEX  
 SKIN (ANATOMY)  
 SWEAT  
 TRANSPIRATION

### PERT

UF PROGRAM EVALUATION REVIEW  
 . . . TECHNIQUE  
 RT COMMERCE  
 . . . CONTRACT MANAGEMENT  
 . . . CRITICAL PATH METHOD  
 . . . GERT  
 . . . MANAGEMENT ANALYSIS  
 . . . MANAGEMENT METHODS  
 . . . MANAGEMENT PLANNING  
 ∞ PATHS  
 . . . PROGRAM TREND LINE ANALYSIS  
 . . . PROJECT MANAGEMENT

### PERTURBATION

GS PERTURBATION  
 . . . ORBIT PERTURBATION  
 . . . . . SATELLITE PERTURBATION  
 RT ∞ DISTURBANCES  
 . . . FOUR BODY PROBLEM  
 . . . GEODESY  
 . . . LONG TERM EFFECTS  
 . . . MANY BODY PROBLEM  
 . . . NUTATION  
 . . . ORBITAL MECHANICS  
 . . . OSCILLATIONS  
 . . . OSCILLATORS  
 . . . RADIATION PRESSURE  
 . . . SCHACH EFFECT  
 . . . THREE BODY PROBLEM  
 . . . TWO BODY PROBLEM  
 . . . VARIATIONS

### PERTURBATION THEORY

UF DISTURBANCE THEORY  
 GS PERTURBATION THEORY  
 . . . VINTI THEORY  
 RT BOUSSINESQ APPROXIMATION  
 . . . CELESTIAL MECHANICS  
 . . . DISTURBING FUNCTIONS  
 . . . HANSEN LUNAR THEORY  
 . . . HARTREE APPROXIMATION  
 . . . HILL LUNAR THEORY  
 . . . HILL METHOD  
 . . . MANY BODY PROBLEM  
 . . . OPERATORS (MATHEMATICS)  
 . . . ORBIT PERTURBATION  
 . . . ORBITAL ELEMENTS  
 . . . QUANTUM THEORY  
 . . . STRANGE ATTRACTORS  
 . . . TAYLOR INSTABILITY  
 ∞ THEORIES  
 . . . VON ZEIPER METHOD  
 . . . WAVE FUNCTIONS  
 . . . WENTZEL-KRAMER-BRILLOUIN METHOD  
 . . . YANG-MILLS FIELDS  
 . . . YANG-MILLS THEORY

### PERU

GS NATIONS  
 . . . PERU  
 RT SOUTH AMERICA

### PERVEANCE

GS RATIOS  
 . . . PERVEANCE  
 RT CHILD-LANGMUIR LAW  
 . . . SPACE CHARGE  
 . . . THERMIONIC DIODES  
 . . . VACUUM TUBES  
 . . . WORK FUNCTIONS

### PESTICIDES

GS POISONS  
 . . . PESTICIDES  
 . . . . . INSECTICIDES  
 . . . . . DIELDRIN  
 RT CROP DUSTING  
 . . . ENVIRONMENTAL CHEMISTRY  
 . . . TOXICOLOGY

### PETALS

RT PLANTS (BOTANY)

### PETECHIA

GS HEMORRHAGES  
 . . . PETECHIA  
 RT SKIN (ANATOMY)

### PETN

UF PENTAERYTHRITOL TETRANITRATE  
 GS ESTERS  
 . . . ORGANIC NITRATES  
 . . . PETN  
 . . . NITROGEN COMPOUNDS  
 . . . NITRATES  
 . . . ORGANIC NITRATES  
 . . . . . PETN  
 RT EXPLOSIVES

### PETREL SOUNDING ROCKET

GS ROCKET VEHICLES  
 . . . SOUNDING ROCKETS  
 . . . PETREL SOUNDING ROCKET  
 RT ∞ ROCKETS

### PETRI NETS

GS MODELS  
 . . . MATHEMATICAL MODELS  
 . . . PETRI NETS  
 . . . NETS  
 . . . PETRI NETS  
 RT CONSECUTIVE EVENTS  
 . . . DYNAMIC MODELS  
 . . . GRAPHS (CHARTS)  
 . . . INFORMATION THEORY  
 . . . SEQUENCING  
 . . . TREES (MATHEMATICS)

### PETROGRAPHY

GS GEOLOGY  
 . . . PETROLOGY  
 . . . PETROGRAPHY  
 RT INLIERS (LANDFORMS)  
 . . . ROCKS  
 . . . SEDIMENTARY ROCKS

### PETROLEUM

USE CRUDE OIL

### PETROLEUM PRODUCTS

GS PRODUCTS  
 . . . PETROLEUM PRODUCTS  
 . . . ASPHALT  
 . . . DIESEL FUELS  
 . . . GASOLINE  
 . . . TARS  
 RT BUTANES  
 . . . CRUDE OIL  
 . . . GREASES  
 . . . LUBRICANTS  
 . . . LUBRICATING OILS  
 . . . METHANE  
 . . . NATURAL GAS  
 . . . OILS  
 . . . PLASTICS  
 . . . POLYNUCLEAR ORGANIC COMPOUNDS

### PETROLOGY

GS GEOLOGY  
 . . . PETROLOGY  
 . . . PETROGRAPHY  
 RT CONES (VOLCANOES)  
 . . . FORMATIONS  
 . . . GEOCHEMISTRY  
 . . . GEOLOGICAL SURVEYS  
 . . . GEOPHYSICS  
 . . . IMPACT MELTS  
 . . . INLIERS (LANDFORMS)  
 . . . MARS VOLCANOES  
 . . . MINERALOGY  
 . . . ROCKS  
 . . . STRATIGRAPHY  
 . . . VOLCANOES  
 . . . VOLCANOLOGY

### PFAFF EQUATION

GS ANALYSIS (MATHEMATICS)  
 . . . PFAFF EQUATION  
 RT DIFFERENTIAL EQUATIONS  
 . . . ∞ EQUATIONS  
 . . . THERMODYNAMICS

### PFM (MODULATION)

USE PULSE FREQUENCY MODULATION

### PH

RT ACID BASE EQUILIBRIUM  
 . . . ACID RAIN  
 . . . ACIDITY  
 . . . ACIDOSIS  
 . . . ALKALINITY  
 . . . ALKALOSIS

## PHASE TRANSFORMATIONS

### PH-(CONT.)

BASES (CHEMICAL)  
BUFFERS (CHEMISTRY)  
HYDROGEN IONS

### PH FACTOR

RT ACID BASE EQUILIBRIUM  
ACIDOSIS  
ALKALOSIS  
HYDROGEN IONS  
ION CONCENTRATION

### PHANTASTRONS

GS CIRCUITS  
. DELAY CIRCUITS  
. PHANTASTRONS  
OSCILLATORS  
. RELAXATION OSCILLATORS  
. PHANTASTRONS  
RT FEEDBACK AMPLIFIERS

### PHANTOM AIRCRAFT

GS JET AIRCRAFT  
. PHANTOM AIRCRAFT  
. F-4 AIRCRAFT  
MCDONNELL DOUGLAS AIRCRAFT  
. MCDONNELL AIRCRAFT  
. PHANTOM AIRCRAFT  
. F-4 AIRCRAFT  
MONOPLANES  
. PHANTOM AIRCRAFT  
. F-4 AIRCRAFT  
SUPERSONIC AIRCRAFT  
. PHANTOM AIRCRAFT  
. F-4 AIRCRAFT  
RT  $\infty$  AIRCRAFT

### PHARMACOLOGY

GS PHARMACOLOGY  
. PSYCHOPHARMACOLOGY  
RT ANESTHESIOLOGY  
ANTIRADIATION DRUGS  
BIOPROCESSING  
CYCLIC AMP  
DRUGS  
MEDICAL SCIENCE  
 $\infty$  MEDICINE  
MOTION SICKNESS DRUGS  
VASOCONSTRICTOR DRUGS  
VETERINARY MEDICINE

### PHARYNX

GS ANATOMY  
. RESPIRATORY SYSTEM  
. PHARYNX

### PHASE ANGLE

USE PHASE SHIFT

### PHASE CHANGE MATERIALS

UF PCM (MATERIALS)  
RT CERESIN  
CONDENSING  
FUSION (MELTING)  
HEAT OF FUSION  
HEAT STORAGE  
HEAT TRANSFER  
LIQUID-SOLID INTERFACES  
 $\infty$  MATERIALS  
MELTING  
ORGANIC MATERIALS  
PHASE TRANSFORMATIONS  
SOLAR ENERGY  
SOLAR ENERGY CONVERSION  
SOLAR HEATING  
SUBLIMATION  
TROMBE WALLS  
WAXES  
WORKING FLUIDS

### PHASE COHERENCE

RT  $\infty$  COHERENCE  
COHERENCE COEFFICIENT  
COHERENT LIGHT  
WAVE FRONTS

### PHASE CONJUGATION

GS CONJUGATION  
. PHASE CONJUGATION

### PHASE CONTRAST

GS CONTRAST  
. PHASE CONTRAST  
RT DIFFRACTION PATTERNS

### PHASE CONTRAST-(CONT.)

ELECTRON MICROSCOPY  
MICROSCOPY  
OPTICAL MEASUREMENT  
OPTICAL PATHS

### PHASE CONTROL

RT CIRCUIT PROTECTION  
 $\infty$  CONTROL  
PHASE LOCKED SYSTEMS  
TRANSFORMERS

### PHASE DEMODULATORS

GS DEMODULATORS  
. PHASE DEMODULATORS  
RT MODEMS

### PHASE DETECTORS

GS CIRCUITS  
. PHASE DETECTORS  
. SYNCHROSCOPES  
RT  $\infty$  DETECTORS  
PHASE LOCKED SYSTEMS  
SIGNAL DETECTION  
SYNCHRONISM

### PHASE DEVIATION

RT AMPLITUDES  
MODULATED CONTINUOUS RADIATION  
SIGNAL ANALYSIS

### PHASE DIAGRAMS

UF CONSTITUTIONAL DIAGRAMS  
EQUILIBRIUM DIAGRAMS  
EUTECTIC DIAGRAMS  
GS DIAGRAMS  
. PHASE DIAGRAMS  
RT ALLOYS  
BINARY SYSTEMS (MATERIALS)  
CRITICAL TEMPERATURE  
EUTECTICS  
HEAT OF FUSION  
HEAT TREATMENT  
INTERMETALLICS  
LIQUID PHASES  
LIQUIDS  
LIQUIDUS  
MELTING POINTS  
SOLID PHASES  
SOLID SOLUTIONS  
SOLID SUSPENSIONS  
SOLUBILITY  
STOICHIOMETRY  
TRANSITION POINTS  
TRANSITION TEMPERATURE  
VAPOR PHASES

### PHASE ERROR

GS ERRORS  
. PHASE ERROR  
RT CIRCUIT PROTECTION  
ERROR SIGNALS

### PHASE LOCK DEMODULATORS

GS DEMODULATORS  
. PHASE LOCK DEMODULATORS  
RT CORRELATION DETECTION  
PARAMETRONS

### PHASE LOCKED SYSTEMS

RT FEEDBACK FREQUENCY MODULATION  
OPTICAL COUPLING  
PHASE CONTROL  
PHASE DETECTORS  
SYNCHRONIZED OSCILLATORS  
 $\infty$  SYSTEMS  
TRACKING FILTERS

### PHASE MATCHING

RT CRYSTAL OPTICS  
CRYSTALS  
FREQUENCY MULTIPLIERS  
HARMONIC GENERATIONS  
LASER OUTPUTS  
LASERS

### PHASE MODULATION

GS CODING  
. SIGNAL ENCODING  
. PHASE MODULATION  
. FM/PM (MODULATION)  
. PHASE SHIFT KEYING  
MODULATION  
. PHASE MODULATION

### PHASE MODULATION-(CONT.)

. FM/PM (MODULATION)  
. PHASE SHIFT KEYING  
RT AMPLITUDE MODULATION  
DEMODULATION  
DEMODULATORS  
FREQUENCY MODULATION  
MODEMS  
MODULATORS  
PARAMETRIC FREQUENCY CONVERTERS  
PULSE MODULATION  
PUSH-PULL AMPLIFIERS

### PHASE RESPONSE

USE FREQUENCY RESPONSE  
PHASE SHIFT

### PHASE RULE

GS RULES  
. PHASE RULE  
RT CHEMICAL EQUILIBRIUM  
DEGREES OF FREEDOM  
 $\infty$  GIBBS EQUATIONS

### PHASE SHIFT

UF PHASE ANGLE  
PHASE RESPONSE  
GS PHASE SHIFT  
. SAGNAC EFFECT  
RT ANGLES (GEOMETRY)  
EQUALIZERS (CIRCUITS)  
MICROWAVE SWITCHING  
 $\infty$  PHASES  
 $\infty$  SHIFT

### PHASE SHIFT CIRCUITS

GS CIRCUITS  
. PHASE SHIFT CIRCUITS  
. CIRCUITORS (PHASE SHIFT  
CIRCUITS)  
RT DELAY CIRCUITS  
DUPLEX OPERATION  
GYRATORS

### PHASE SHIFT KEYING

GS CODING  
. SIGNAL ENCODING  
. PHASE MODULATION  
. PHASE SHIFT KEYING  
KEYING  
. PHASE SHIFT KEYING  
MODULATION  
. PHASE MODULATION  
. PHASE SHIFT KEYING  
RT INFORMATION THEORY

### PHASE SWITCHING INTERFEROMETERS

GS MEASURING INSTRUMENTS  
. INTERFEROMETERS  
. PHASE SWITCHING  
INTERFEROMETERS  
RT RADIO ASTRONOMY  
RADIO TELESCOPES

### PHASE TRANSFORMATIONS

GS PHASE TRANSFORMATIONS  
. FREEZING  
. VIBRATIONAL FREEZING  
. ZONE MELTING  
. LIQUEFACTION  
. COAL LIQUEFACTION  
. MARTENSITIC TRANSFORMATION  
. MELTING  
. ARC MELTING  
. FUSION (MELTING)  
. LEVITATION MELTING  
. VACUUM MELTING  
. VAPORIZING  
. BOILING  
. FILM BOILING  
. NUCLEATE BOILING  
. LEIDENFROST PHENOMENON  
. EVAPORATION  
. EVAPOTRANSPIRATION  
. PROPELLANT EVAPORATION  
. TRANSPIRATION  
. FLASHING (VAPORIZING)  
. PREVAPORIZATION  
. SUBLIMATION  
RT COLD HARDENING  
CONDENSING  
CRITICAL TEMPERATURE  
CRYSTALLIZATION  
DIRECTIONAL SOLIDIFICATION  
(CRYSTALS)

## PHASE VELOCITY

### PHASE TRANSFORMATIONS-(CONT.)

ELECTRON-HOLE DROPS  
HEAT OF FUSION  
ISING MODEL  
MARTENSITE  
MELT SPINNING  
METAMORPHISM (GEOLOGY)  
MUSHY ZONES  
NEEL TEMPERATURE  
ORDER-DISORDER TRANSFORMATIONS  
PHASE CHANGE MATERIALS

∞ PHASES  
SHAPE MEMORY ALLOYS  
SOLIDIFICATION  
SOLIDS  
SYNTECTIC ALLOYS  
∞ TRANSFORMATIONS  
∞ TRANSITION  
TRANSITION PRESSURE  
TRANSITION TEMPERATURE

### PHASE VELOCITY

GS RATES (PER TIME)  
PHASE VELOCITY  
VELOCITY  
RT PHASE VELOCITY  
ELECTROMAGNETIC RADIATION  
GROUP VELOCITY  
LANDAU DAMPING  
PROPAGATION VELOCITY  
QUANTUM MECHANICS  
TRAVELING WAVES  
WAVE FRONTS  
WAVE PROPAGATION

### PHASE-SPACE INTEGRAL

GS ANALYSIS (MATHEMATICS)  
PHASE-SPACE INTEGRAL  
RT CLASSICAL MECHANICS  
EUCLIDEAN GEOMETRY  
HYPERSPACES  
STATE VECTORS

### PHASED ARRAYS

GS ARRAYS  
PHASED ARRAYS  
RT ANTENNA ARRAYS  
LINEAR ARRAYS  
MONOPULSE ANTENNAS  
SEISMOGRAPHS  
STEERABLE ANTENNAS

### ∞ PHASES

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED-CONSULT THE TERMS  
LISTED BELOW)*  
RT CYCLES  
LIQUID PHASES  
LUNAR PHASES  
PHASE SHIFT  
PHASE TRANSFORMATIONS  
SOLID PHASES  
TERMINATOR LINES  
VAPOR PHASES

### PHENACETIN

USE ACETANILIDE

### PHENANTHRENE

GS ISOMERS  
PHENANTHRENE  
ORGANIC COMPOUNDS  
HYDROCARBONS  
RT PHENANTHRENE  
ANTHRACENE  
DYES

### PHENOBARBITAL

RT DRUGS  
NARCOTICS  
SEDATIVES

### PHENOL FORMALDEHYDE

RT FORMALDEHYDE  
PHENOLIC RESINS  
RESINS

### PHENOLIC EPOXY RESINS

GS PLASTICS  
SYNTHETIC RESINS  
THERMOSETTING RESINS  
EPOXY RESINS  
PHENOLIC EPOXY RESINS  
PHENOLIC RESINS

### PHENOLIC EPOXY RESINS-(CONT.)

RESINS  
SYNTHETIC RESINS  
THERMOSETTING RESINS  
EPOXY RESINS  
PHENOLIC EPOXY RESINS  
PHENOLIC RESINS  
PHENOLIC EPOXY RESINS  
RT ADHESIVES  
AMINES  
CROSSLINKING

### PHENOLIC RESINS

GS PLASTICS  
SYNTHETIC RESINS  
THERMOSETTING RESINS  
PHENOLIC RESINS  
MICARTA  
PHENOLIC EPOXY RESINS  
RESINS  
SYNTHETIC RESINS  
THERMOSETTING RESINS  
PHENOLIC RESINS  
MICARTA  
PHENOLIC EPOXY RESINS  
RT PHENOL FORMALDEHYDE

### PHENOLOGY

RT ACTIVITY CYCLES (BIOLOGY)  
BIOMETEOROLOGY  
CLIMATOLOGY  
COASTAL ECOLOGY  
ECOLOGY  
MIGRATION  
MOLTING  
PHENOMENOLOGY  
RHYTHM (BIOLOGY)

### PHENOLS

GS HYDROXYL COMPOUNDS  
ALCOHOLS  
PHENOLS  
BISPHENOLS  
CRESOLS  
PHLOROGLUCINOL  
THYMOL  
RT THIOLS

### PHENOMENOLOGY

RT CASE HISTORIES  
EXPERIMENTATION  
MEDICAL PHENOMENA  
MESOSCALE PHENOMENA  
PHENOLOGY

### PHENOTHIAZINES

GS ORGANIC COMPOUNDS  
CYCLIC COMPOUNDS  
HETEROCYCLIC COMPOUNDS  
AZINES  
PHENOTHIAZINES  
PYRAZINES  
AZINES  
PHENOTHIAZINES

### PHENYLALANINE

GS ACIDS  
AMINO ACIDS  
ALANINE  
PHENYLALANINE  
ORGANIC COMPOUNDS  
AMINO ACIDS  
ALANINE  
PHENYLALANINE

### PHENYLS

GS PHENYLS  
POLYBROMINATED BIPHENYLS  
POLYCHLORINATED BIPHENYLS  
POLYPHENYLS  
TETRAPHENYLS  
TRIPHENYLS  
TERPHENYLS  
RT PHOSPHENE  
PROPARGYL GROUPS

### PHILCO 2000 COMPUTER

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
PHILCO 2000 COMPUTER

### PHILIPPINES

GS LANDFORMS  
ISLANDS  
PACIFIC ISLANDS  
PHILIPPINES  
NATIONS  
PHILIPPINES

### PHILIPS IONIZATION GAGES

GS MEASURING INSTRUMENTS  
PRESSURE GAGES  
VACUUM GAGES  
IONIZATION GAGES  
PHILIPS IONIZATION GAGES  
VACUUM APPARATUS  
VACUUM GAGES  
IONIZATION GAGES  
PHILIPS IONIZATION GAGES  
RT PRESSURE MEASUREMENT

### PHILOSOPHY

GS KNOWLEDGE  
PHILOSOPHY  
PARADOXES  
RT LITERATURE  
∞ LOGIC  
MATHEMATICAL LOGIC

### PHLOROGLUCINOL

GS HYDROXYL COMPOUNDS  
ALCOHOLS  
PHENOLS  
PHLOROGLUCINOL  
RT CHEMICAL INDICATORS  
RESINS

### PHOBIAS

GS PHOBIAS  
FEAR  
FEAR OF FLYING  
RT ANXIETY  
EMOTIONAL FACTORS

### PHOBOS

GS CELESTIAL BODIES  
NATURAL SATELLITES  
MARS SATELLITES  
PHOBOS  
RT DEIMOS  
MARS (PLANET)  
SATURN (PLANET)

### PHOEBE

GS CELESTIAL BODIES  
NATURAL SATELLITES  
SATURN SATELLITES  
PHOEBE

### PHOEBUS NUCLEAR REACTOR

GS NUCLEAR REACTORS  
PHOEBUS NUCLEAR REACTOR  
RT KIWI REACTORS  
NUCLEAR ENGINE FOR ROCKET  
VEHICLES  
NUCLEAR ROCKET ENGINES

### PHOENIX (AZ)

GS CITIES  
PHOENIX (AZ)  
RT ARIZONA

### PHOENIX QUADRANGLE (AZ)

GS LANDFORMS  
PHOENIX QUADRANGLE (AZ)  
RT ARIZONA  
GEODETIC SURVEYS  
MAPPING

### PHOENIX SOUNDING ROCKET

GS ROCKET VEHICLES  
MULTISTAGE ROCKET VEHICLES  
PHOENIX SOUNDING ROCKET  
SOUNDING ROCKETS  
PHOENIX SOUNDING ROCKET  
RT SOLID PROPELLANT ROCKET ENGINES

### PHONEMES

GS LINGUISTICS  
PHONEMES  
SPEECH  
PHONEMES  
RT LANGUAGES  
PHONEMICS  
PHONETICS

## PHOSPHORUS ISOTOPES

### PHONEMES-(CONT.)

PSYCHOLINGUISTICS  
SPEECH RECOGNITION  
WORDS (LANGUAGE)

### PHONEMICS

GS LINGUISTICS  
PHONEMICS  
RT INTELLIGIBILITY  
LANGUAGES  
PHONEMES  
PHONETICS  
PSYCHOLINGUISTICS  
SPEECH  
SPEECH DEFECTS  
SPEECH RECOGNITION  
WORDS (LANGUAGE)

### PHONETICS

GS SPEECH  
PHONETICS  
RT ACOUSTICS  
INTELLIGIBILITY  
LANGUAGES  
PHONEMES  
PHONEMICS  
SPEECH DEFECTS  
SPEECH RECOGNITION  
VERBAL COMMUNICATION  
WORDS (LANGUAGE)

### PHONOARTERIOGRAPHY

RT ARTERIES  
BLOOD CIRCULATION  
PHONOCARDIOGRAPHY

### PHONOCARDIOGRAMS

USE PHONOCARDIOGRAPHY

### PHONOCARDIOGRAPHY

UF PHONOCARDIOGRAMS  
VIBROCARDIOGRAPHY  
GS BIOENGINEERING  
BIOMETRICS  
CARDIOGRAPHY  
PHONOCARDIOGRAPHY  
ECHOCARDIOGRAPHY  
RT BALLISTOCARDIOGRAPHY  
ELECTROCARDIOGRAPHY  
HEART  
HEART DISEASES  
PHONOARTERIOGRAPHY  
VECTORCARDIOGRAPHY

### PHONON BEAMS

GS BEAMS (RADIATION)  
PHONON BEAMS  
ELASTIC WAVES  
PHONONS  
PHONON BEAMS  
ELECTROMAGNETIC RADIATION  
THERMAL RADIATION  
PHONON BEAMS  
ELEMENTARY EXCITATIONS  
PHONONS  
PHONON BEAMS  
RT CORPUSCULAR RADIATION  
PARTICLE BEAMS  
PHOTON BEAMS  
UMKLAPP PROCESS

### PHONONS

GS ELASTIC WAVES  
PHONONS  
PHONON BEAMS  
ELEMENTARY EXCITATIONS  
PHONONS  
PHONON BEAMS  
RT CRYSTAL STRUCTURE  
LATTICE VIBRATIONS  
PLASMONS  
POLARONS  
SOUND WAVES  
UMKLAPP PROCESS

### PHORIA

GS DISEASES  
EYE DISEASES  
PHORIA

### PHOSGENE

GS GASES  
PHOSGENE  
HALOGEN COMPOUNDS

### PHOSGENE-(CONT.)

CHLORINE COMPOUNDS  
CHLORIDES  
PHOSGENE  
HALIDES  
CHLORIDES  
PHOSGENE  
POISONS  
PHOSGENE  
RT CHEMICAL COMPOUNDS

### PHOSPHATES

GS PHOSPHORUS COMPOUNDS  
PHOSPHATES  
ADENINES  
ADENOSINE TRIPHOSPHATE  
AMMONIUM PHOSPHATES  
CALCIUM PHOSPHATES  
CYCLIC AMP  
DIPHOSPHATES  
ADENOSINE DIPHOSPHATE  
INDIUM PHOSPHATES  
MONAZITE SANDS  
PHOSPHENE  
POLYNUCLEOTIDES  
POTASSIUM PHOSPHATES  
PYRIDINE NUCLEOTIDES  
URIDYLIC ACID  
RT KREEP  
PHOSPHORIC ACID  
SKYDROL (TRADEMARK)

### PHOSPHAZENE

GS ORGANIC COMPOUNDS  
ORGANIC PHOSPHORUS COMPOUNDS  
PHOSPHAZENE  
PHOSPHORUS COMPOUNDS  
ORGANIC PHOSPHORUS COMPOUNDS  
PHOSPHAZENE  
RT NITROGEN COMPOUNDS  
PHOSPHINES  
PHOSPHONITRILES  
POLYMER CHEMISTRY

### PHOSPHENE

GS ORGANIC COMPOUNDS  
ORGANIC PHOSPHORUS COMPOUNDS  
PHOSPHENE  
PHOSPHORUS COMPOUNDS  
ORGANIC PHOSPHORUS COMPOUNDS  
PHOSPHENE  
PHOSPHATES  
PHOSPHENE  
RT LUMINOSITY  
PHENYLS  
RETINA  
VISION

### PHOSPHIDES

GS PHOSPHORUS COMPOUNDS  
PHOSPHIDES  
BORON PHOSPHIDES  
GALLIUM PHOSPHIDES  
INDIUM PHOSPHIDES  
MANGANESE PHOSPHIDES  
SCHREIBERSITE

### PHOSPHINES

GS HYDROGEN COMPOUNDS  
HYDRIDES  
PHOSPHINES  
PHOSPHORUS COMPOUNDS  
PHOSPHINES  
RT PHOSPHAZENE

### PHOSPHONITRILES

GS NITRILES  
PHOSPHONITRILES  
NITROGEN COMPOUNDS  
PHOSPHONITRILES  
ORGANIC COMPOUNDS  
ORGANIC PHOSPHORUS COMPOUNDS  
PHOSPHONITRILES  
PHOSPHORUS COMPOUNDS  
ORGANIC PHOSPHORUS COMPOUNDS  
PHOSPHONITRILES  
RT PHOSPHAZENE

### PHOSPHONIUM COMPOUNDS

GS PHOSPHORUS COMPOUNDS  
PHOSPHONIUM COMPOUNDS  
RT CHEMICAL COMPOUNDS

### PHOSPHORESCENCE

GS ELECTROMAGNETIC PROPERTIES

### PHOSPHORESCENCE-(CONT.)

OPTICAL PROPERTIES  
PHOSPHORESCENCE  
EMISSION  
LIGHT EMISSION  
LUMINESCENCE  
FLUORESCENCE  
PHOSPHORESCENCE  
RT AFTERGLOWS  
BIOLUMINESCENCE  
CHEMILUMINESCENCE  
PHOSPHORS  
PLASMA RADIATION  
SCINTILLATION  
TRAPPING

### PHOSPHORIC ACID

GS ACIDS  
PHOSPHORIC ACID  
PHOSPHORUS COMPOUNDS  
PHOSPHORIC ACID  
RT PHOSPHATES

### PHOSPHORIC ACID FUEL CELLS

GS ELECTRIC GENERATORS  
DIRECT POWER GENERATORS  
FUEL CELLS  
PHOSPHORIC ACID FUEL CELLS  
ELECTROCHEMICAL CELLS  
FUEL CELLS  
PHOSPHORIC ACID FUEL CELLS  
RT BIOCHEMICAL FUEL CELLS  
ELECTROLYTIC CELLS  
ENERGY TECHNOLOGY  
HYDROGEN OXYGEN FUEL CELLS  
REGENERATIVE FUEL CELLS  
TOTAL ENERGY SYSTEMS

### PHOSPHORS

GS PHOSPHORS  
RT RADIOPHOSPHORS  
FLUORESCENCE  
IMAGE INTENSIFIERS  
LASER INDUCED FLUORESCENCE  
MERCURY LAMPS  
PHOSPHORESCENCE  
PHOTOGRAPHIC FILM

### PHOSPHORUS

GS CHEMICAL ELEMENTS  
PHOSPHORUS  
PHOSPHORUS ISOTOPES  
PHOSPHORUS 32

### PHOSPHORUS COMPOUNDS

GS PHOSPHORUS COMPOUNDS  
DIETHYL HYDROGEN PHOSPHITE  
(DEHP)  
ORGANIC PHOSPHORUS COMPOUNDS  
PHOSPHAZENE  
PHOSPHENE  
PHOSPHONITRILES  
URIDYLIC ACID  
PHOSPHATES  
ADENINES  
ADENOSINE TRIPHOSPHATE  
AMMONIUM PHOSPHATES  
CALCIUM PHOSPHATES  
CYCLIC AMP  
DIPHOSPHATES  
ADENOSINE DIPHOSPHATE  
INDIUM PHOSPHATES  
MONAZITE SANDS  
PHOSPHENE  
POLYNUCLEOTIDES  
POTASSIUM PHOSPHATES  
PYRIDINE NUCLEOTIDES  
URIDYLIC ACID  
PHOSPHIDES  
BORON PHOSPHIDES  
GALLIUM PHOSPHIDES  
INDIUM PHOSPHIDES  
MANGANESE PHOSPHIDES  
SCHREIBERSITE  
PHOSPHINES  
PHOSPHONIUM COMPOUNDS  
PHOSPHORIC ACID  
PHOSPHORUS OXIDES  
PHOSPHORUS POLYMERS  
RT CHEMICAL COMPOUNDS  
GROUP 5A COMPOUNDS

### PHOSPHORUS ISOTOPES

GS CHEMICAL ELEMENTS  
NUCLIDES

## PHOSPHORUS METABOLISM

### PHOSPHORUS ISOTOPES-(CONT.)

- ... ISOTOPES
- ... **PHOSPHORUS ISOTOPES**
- ... PHOSPHORUS 32
- ... PHOSPHORUS
- ... **PHOSPHORUS ISOTOPES**
- ... PHOSPHORUS 32

### PHOSPHORUS METABOLISM

- GS METABOLISM
- ... **PHOSPHORUS METABOLISM**

### PHOSPHORUS OXIDES

- GS CHALCOGENIDES
- ... OXIDES
- ... **PHOSPHORUS OXIDES**
- ... PHOSPHORUS COMPOUNDS
- ... **PHOSPHORUS OXIDES**

### PHOSPHORUS POLYMERS

- GS PHOSPHORUS COMPOUNDS
- ... **PHOSPHORUS POLYMERS**
- RT  $\infty$  POLYMERS

### PHOSPHORUS 32

- GS CHEMICAL ELEMENTS
- ... NUCLIDES
- ... ISOTOPES
- ... PHOSPHORUS ISOTOPES
- ... **PHOSPHORUS 32**
- ... RADIOACTIVE ISOTOPES
- ... **PHOSPHORUS 32**
- ... PHOSPHORUS
- ... PHOSPHORUS ISOTOPES
- ... **PHOSPHORUS 32**

### PHOSPHORYLATION

- GS CHEMICAL REACTIONS
- ... **PHOSPHORYLATION**

### PHOTICS

- RT LIGHT (VISIBLE RADIATION)
- $\infty$  OPTICS

### PHOTO RECONNAISSANCE SPACECRAFT

- GS MILITARY SPACECRAFT
- ... RECONNAISSANCE SPACECRAFT
- ... **PHOTO RECONNAISSANCE SPACECRAFT**
- RT  $\infty$  SPACECRAFT

### PHOTOABSORPTION

- GS ENERGY ABSORPTION
- ... RADIATION ABSORPTION
- ... ELECTROMAGNETIC ABSORPTION
- ... **PHOTOABSORPTION**
- RT  $\infty$  ABSORPTION

### PHOTOACOUSTIC MICROSCOPY

- GS MICROSCOPY
- ... **PHOTOACOUSTIC MICROSCOPY**
- RT ACOUSTIC MICROSCOPES
- ACOUSTO-OPTICS
- CERAMICS
- NONDESTRUCTIVE TESTS
- PHOTOACOUSTIC SPECTROSCOPY

### PHOTOACOUSTIC SPECTROSCOPY

- GS SPECTROSCOPY
- ... **PHOTOACOUSTIC SPECTROSCOPY**
- RT ABSORPTION SPECTRA
- ABSORPTIVITY
- ACOUSTO-OPTICS
- LASER APPLICATIONS
- LASER SPECTROSCOPY
- PHOTOACOUSTIC MICROSCOPY

### PHOTOCATHODES

- GS ELECTRODES
- ... CATHODES
- ... TUBE CATHODES
- ... **PHOTOCATHODES**
- RT ELECTRODE MATERIALS
- IMAGE CONVERTERS
- IMAGE INTENSIFIERS
- IMAGE ORTHICONS
- LIGHT AMPLIFIERS
- MICROCHANNELS
- ORTHICONS
- PHOTOELECTRIC CELLS
- PHOTOELECTRIC EMISSION
- PHOTOELECTRIC MATERIALS
- PHOTOMULTIPLIER TUBES

### PHOTOCELLS

- USE PHOTOELECTRIC CELLS

### PHOTOCHEMICAL OXIDANTS

- GS OXIDIZERS
- ... **PHOTOCHEMICAL OXIDANTS**
- RT AIR POLLUTION
- ATMOSPHERIC CHEMISTRY
- NITROGEN OXIDES
- OZONE
- PHOTOOXIDATION

### PHOTOCHEMICAL REACTIONS

- UF PHOTOCHEMISTRY
- PHOTOREDUCTION
- GS CHEMICAL REACTIONS
- ... **PHOTOCHEMICAL REACTIONS**
- ... PHOTOCHROMISM
- ... PHOTODECOMPOSITION
- ... PHOTOLYSIS
- ... PHOTOSYNTHESIS
- ... RADIOLYSIS
- RT ASSOCIATION REACTIONS
- ATMOSPHERIC CHEMISTRY
- CHARGE TRANSFER
- SODALITE

### PHOTOCHEMISTRY

- USE PHOTOCHEMICAL REACTIONS

### PHOTOCHROMISM

- GS CHEMICAL REACTIONS
- ... PHOTOCHEMICAL REACTIONS
- ... **PHOTOCHROMISM**
- RT COLOR PHOTOGRAPHY
- SODALITE

### PHOTOCLINOMETRY

- USE PHOTOGRAMMETRY

### PHOTOCONDUCTIVE CELLS

- GS PHOTOELECTRIC CELLS
- ... **PHOTOCONDUCTIVE CELLS**
- RT  $\infty$  CELLS
- PHOTOVOLTAIC CELLS

### PHOTOCONDUCTIVITY

- UF PHOTORESISTIVITY
- GS ELECTRICAL PROPERTIES
- ... ELECTRICAL RESISTIVITY
- ... **PHOTOCONDUCTIVITY**
- ELECTROMAGNETIC PROPERTIES
- ... OPTICAL PROPERTIES
- ... **PHOTOCONDUCTIVITY**
- PHOTOELECTRICITY
- ... PHOTOELECTRIC EFFECT
- ... **PHOTOCONDUCTIVITY**
- TRANSPORT PROPERTIES
- ... ELECTRICAL RESISTIVITY
- ... **PHOTOCONDUCTIVITY**
- RT  $\infty$  CONDUCTIVITY
- MERCURY CADMIUM TELLURIDES
- PHOTOCONDUCTORS
- SQUARE WELLS

### PHOTOCONDUCTORS

- UF PHOTORESISTORS
- CONDUCTORS
- GS **PHOTOCONDUCTORS**
- SEMICONDUCTORS (MATERIALS)
- ... **PHOTOCONDUCTORS**
- RT MERCURY CADMIUM TELLURIDES
- PHOTOCONDUCTIVITY
- PHOTODIODES
- PHOTOELECTRIC CELLS
- PHOTOELECTRIC MATERIALS
- PHOTOMETERS
- PHOTOTRANSISTORS
- RESISTORS

### PHOTOCURRENTS

- USE ELECTRIC CURRENT
- PHOTOELECTRIC EMISSION

### PHOTODECOMPOSITION

- GS CHEMICAL REACTIONS
- ... PHOTOCHEMICAL REACTIONS
- ... **PHOTODECOMPOSITION**
- DECOMPOSITION
- ... **PHOTODECOMPOSITION**
- RADIATION CHEMISTRY
- ... **PHOTODECOMPOSITION**
- RT ELECTROMAGNETIC ABSORPTION
- PHOTODETACHMENT

### PHOTODECOMPOSITION-(CONT.)

- PHOTOLYSIS

### PHOTODETACHMENT

- RT PHOTODECOMPOSITION
- PHOTOIONIZATION

### PHOTODETECTORS

- USE PHOTOMETERS

### PHOTODIODES

- GS ELECTRONIC EQUIPMENT
- ... DIODES
- ... SEMICONDUCTOR DIODES
- ... **PHOTODIODES**
- ... SOLID STATE DEVICES
- ... SEMICONDUCTOR DEVICES
- ... **PHOTODIODES**
- OPTOELECTRONIC DEVICES
- ... **PHOTODIODES**
- RT FOCAL PLANE DEVICES
- ION IMPLANTATION
- LASERS
- MERCURY CADMIUM TELLURIDES
- MSM (SEMICONDUCTORS)
- PHOTOCONDUCTORS
- PHOTOELECTRIC CELLS
- PHOTOELECTRIC MATERIALS
- PHOTOTRANSISTORS
- PHOTOTUBES
- PUSHBROOM SENSOR MODES
- SIS (SEMICONDUCTORS)
- SOLAR CELLS

### PHOTODISSOCIATION

- GS DECOMPOSITION
- ... **PHOTODISSOCIATION**
- DISSOCIATION
- ... **PHOTODISSOCIATION**
- RADIATION CHEMISTRY
- ... **PHOTODISSOCIATION**
- RT ELECTROMAGNETIC ABSORPTION
- PHOTOLYSIS

### PHOTOELASTIC ANALYSIS

- UF PHOTOELASTIC STRESS MEASUREMENT
- RT FRINGE MULTIPLICATION
- MOIRE EFFECTS
- $\infty$  OPTICS
- PHOTOGRAPHIC MEASUREMENT
- $\infty$  POLARIZATION
- POLARIZATION (WAVES)
- STRESS ANALYSIS
- STRESS MEASUREMENT
- TEMPERATURE INVERSIONS

### PHOTOELASTIC MATERIALS

- RT  $\infty$  MATERIALS
- PHOTOELASTICITY

### PHOTOELASTIC STRESS MEASUREMENT

- USE PHOTOELASTIC ANALYSIS

### PHOTOELASTICITY

- GS ELECTROMAGNETIC PROPERTIES
- ... **PHOTOELASTICITY**
- ... PHOTOVISCOELASTICITY
- MECHANICAL PROPERTIES
- ... ELASTIC PROPERTIES
- ... **PHOTOELASTICITY**
- ... PHOTOVISCOELASTICITY
- RT BIREFRINGENCE
- DICHROISM
- PHOTOELASTIC MATERIALS
- POLARIZED LIGHT
- PRISMS
- REFRACTION
- STRESS ANALYSIS

### PHOTOELECTRIC CELLS

- UF PHOTOCELLS
- GS **PHOTOELECTRIC CELLS**
- ... PHOTOCONDUCTIVE CELLS
- ... PHOTOVOLTAIC CELLS
- ... SOLAR CELLS
- ... VERTICAL JUNCTION SOLAR CELLS
- RT  $\infty$  CELLS
- DIRECT POWER GENERATORS
- $\infty$  ELECTRIC CELLS
- ELECTROCHEMICAL CELLS
- ELECTRODE MATERIALS
- ENERGY ABSORPTION FILMS
- PHOTOCATHODES
- PHOTOCONDUCTORS

## PHOTOGRAPHIC PLATES

### PHOTOELECTRIC CELLS-(CONT.)

PHOTODIODES  
PHOTOMETERS  
PHOTOMULTIPLIER TUBES  
PHOTOTRANSISTORS  
PHOTOTUBES  
SOLAR GENERATORS  
TRANSDUCERS

### PHOTOELECTRIC EFFECT

GS PHOTOELECTRICITY  
    . PHOTOELECTRIC EFFECT  
    . PHOTOCONDUCTIVITY  
    . PHOTOELECTRIC EMISSION  
    . PHOTOIONIZATION  
    . PHOTOVOLTAIC EFFECT  
RT ∞ EFFECTS  
    PHOTOELECTRONS

### PHOTOELECTRIC EMISSION

UF PHOTOCURRENTS  
    PHOTOEMISSION  
    PHOTOEMISSIVITY  
GS EMISSION  
    . PARTICLE EMISSION  
    . ELECTRON EMISSION  
    . PHOTOELECTRIC EMISSION  
    PHOTOELECTRICITY  
    . PHOTOELECTRIC EFFECT  
    . PHOTOELECTRIC EMISSION  
RT ELECTRICAL PROPERTIES  
    EXTERNAL SURFACE CURRENTS  
    NEGATIVE ELECTRON AFFINITY  
    PHOTOCATHODES  
    PHOTOIONIZATION  
    PHOTOPEAK  
    PHOTOVOLTAGES  
    PHOTOVOLTAIC EFFECT  
    STIMULATED EMISSION  
    WORK FUNCTIONS

### PHOTOELECTRIC GENERATORS

GS ELECTRIC GENERATORS  
    . DIRECT POWER GENERATORS  
    . PHOTOELECTRIC GENERATORS  
    . . . PHOTOVOLTAIC CELLS  
    . . . . SOLAR CELLS  
    . . . . VERTICAL JUNCTION SOLAR CELLS  
RT ∞ GENERATORS  
    PHOTOELECTROCHEMICAL DEVICES  
    SOLAR ENERGY CONVERSION  
    SOLAR GENERATORS  
    THERMOELECTRIC GENERATORS

### PHOTOELECTRIC MATERIALS

UF PHOTOEMITTERS  
RT ELECTRODE MATERIALS  
    ELECTRON EMISSION  
    ∞ MATERIALS  
    PHOTOCATHODES  
    PHOTOCONDUCTORS  
    PHOTODIODES  
    PHOTOELECTRICITY  
    PHOTOELECTRONS  
    PHOTOTRANSISTORS  
    PHOTOTUBES  
    PHOTOVOLTAIC CELLS

### PHOTOELECTRIC PHOTOMETERS

USE ELECTROPHOTOMETERS

### PHOTOELECTRICITY

UF PHOTOELECTRONICS  
    PHOTOSENSORS  
GS PHOTOELECTRICITY  
    . PHOTOELECTRIC EFFECT  
    . PHOTOCONDUCTIVITY  
    . PHOTOELECTRIC EMISSION  
    . PHOTOIONIZATION  
    . PHOTOVOLTAIC EFFECT  
RT COMPTON EFFECT  
    ELECTRICAL PROPERTIES  
    ELECTRICITY  
    OPTICAL PROPERTIES  
    PHOTOELECTRIC MATERIALS  
    PHOTOELECTRONS  
    PHOTOVOLTAGES

### PHOTOELECTROCHEMICAL DEVICES

RT ∞ DEVICES  
    ELECTROCHEMICAL CELLS  
    ELECTRODE MATERIALS  
    ENERGY TECHNOLOGY  
    PHOTOELECTRIC GENERATORS

### PHOTOELECTROCHEMICAL DEVICES-(CONT.)

PHOTOELECTROCHEMISTRY  
PHOTON BEAMS  
SOLAR ENERGY CONVERSION

### PHOTOELECTROCHEMISTRY

GS ELECTROCHEMISTRY  
    . PHOTOELECTROCHEMISTRY  
RT ∞ CHEMISTRY  
    PHOTOELECTROCHEMICAL DEVICES

### PHOTOELECTROMAGNETIC DETECTORS

USE PHOTOELECTROMAGNETIC EFFECTS  
RADIATION MEASURING INSTRUMENTS

### PHOTOELECTROMAGNETIC EFFECTS

UF PHOTOELECTROMAGNETIC DETECTORS  
RT ∞ EFFECTS  
    EXCITONS  
    INTERMETALLICS

### PHOTOELECTRON SPECTROSCOPY

GS SPECTROSCOPY  
    . PHOTOELECTRON SPECTROSCOPY  
RT ELECTRON EMISSION  
    SPECTROSCOPIC ANALYSIS

### PHOTOELECTRONICS

USE ELECTRONICS  
PHOTOELECTRICITY

### PHOTOELECTRONS

GS PARTICLES  
    . NUCLEAR PARTICLES  
    . PHOTOELECTRONS  
RT ELECTRON EMISSION  
    PHOTOELECTRIC EFFECT  
    PHOTOELECTRIC MATERIALS  
    PHOTOELECTRICITY  
    PHOTOIONIZATION  
    PHOTOMAGNETIC EFFECTS  
    PHOTONEUTRONS  
    PHOTONUCLEAR REACTIONS  
    PHOTOVOLTAIC EFFECT

### PHOTOEMISSION

USE PHOTOELECTRIC EMISSION

### PHOTOEMISSIVITY

USE EMISSIVITY  
PHOTOELECTRIC EMISSION

### PHOTOEMITTERS

USE PHOTOELECTRIC MATERIALS

### PHOTOENGRAVING

RT PHOTOMECHANICAL EFFECT  
PRINTING

### PHOTO GEOLOGY

GS GEOLOGY  
    . PHOTO GEOLOGY  
RT AERIAL PHOTOGRAPHY  
    EARTH RESOURCES SURVEY AIRCRAFT  
    GEOLOGICAL SURVEYS  
    GEOMORPHOLOGY  
    ICE MAPPING  
    NATURAL GAS EXPLORATION  
    PHOTOGRAMMETRY  
    PHOTOMAPPING  
    RECONNAISSANCE  
    THEMATIC MAPPING

### PHOTO GONIOMETERS

GS MEASURING INSTRUMENTS  
    . GONIOMETERS  
    . PHOTO GONIOMETERS  
    . OPTICAL MEASURING INSTRUMENTS  
    . PHOTO GONIOMETERS  
    OPTICAL EQUIPMENT  
    . OPTICAL MEASURING INSTRUMENTS  
    . PHOTO GONIOMETERS  
RT ANGLES (GEOMETRY)  
    DIFFRACTOMETERS  
    ETALONS  
    INTERFEROMETERS  
    MONOCHROMATORS  
    SPECTROMETERS

### PHOTOGRAMMETRY

UF PHOTOCINOMETRY  
GS PHOTOGRAPHIC MEASUREMENT  
    . PHOTOGRAMMETRY  
RT AERIAL PHOTOGRAPHY

### PHOTOGRAMMETRY-(CONT.)

MAPPING  
PHOTO GEOLOGY  
PHOTORECONNAISSANCE  
PROJECTORS  
RELIEF MAPS  
STEREOPHOTOGRAPHY  
SURVEYS  
TERRAIN ANALYSIS

### PHOTOGRAPH INTERPRETATION

USE PHOTOINTERPRETATION

### PHOTOGRAPHIC DEVELOPERS

UF DEVELOPERS (PHOTOGRAPHY)  
RT ∞ DEVELOPMENT  
    PHOTOGRAPHS  
    PHOTOGRAPHY

### PHOTOGRAPHIC EMULSIONS

GS MIXTURES  
    . DISPERSIONS  
    . EMULSIONS  
    . . . PHOTOGRAPHIC EMULSIONS  
    . . . . NUCLEAR EMULSIONS  
    . SOLUTIONS  
    . . . PHOTOGRAPHIC EMULSIONS  
    . . . . NUCLEAR EMULSIONS  
RT PHOTOGRAPHY  
    PHOTOSENSITIVITY

### PHOTOGRAPHIC EQUIPMENT

GS PHOTOGRAPHIC EQUIPMENT  
    CAMERAS  
    . BAKER-NUNN CAMERA  
    . BALLISTIC CAMERAS  
    . DELFT CAMERA  
    . DIFFRACTION LIMITED CAMERAS  
    . FAINT OBJECT CAMERA  
    . HIGH SPEED CAMERAS  
    . FRAMING CAMERAS  
    . I2S CAMERAS  
    . LALLEMAND CAMERAS  
    . MULTISPECTRAL BAND CAMERAS  
    . PANORAMIC CAMERAS  
    . PINHOLE CAMERAS  
    . SCHMIDT CAMERAS  
    . STREAK CAMERAS  
    . TELEVISION CAMERAS  
    . PHOTOGRAPHIC PROCESSING EQUIPMENT  
RT ∞ EQUIPMENT  
    LENSES  
    OPTICAL EQUIPMENT  
    OPTICAL FILTERS  
    PHOTOGRAPHY  
    PHOTOMETERS  
    PROJECTORS

### PHOTOGRAPHIC FILM

GS PHOTOGRAPHIC FILM  
    . MICROFILMS  
RT ∞ FILMS  
    MAGAZINES (SUPPLY CHAMBERS)  
    OPTICAL DATA STORAGE MATERIALS  
    OPTICAL FILTERS  
    PHOSPHORS  
    PHOTOGRAPHS  
    PHOTOGRAPHY  
    POLYMERIC FILMS  
    SABATIER REACTION

### PHOTOGRAPHIC MEASUREMENT

GS PHOTOGRAPHIC MEASUREMENT  
    . PHOTOGRAMMETRY  
RT DOSIMETERS  
    ∞ MEASUREMENT  
    OPTICAL CORRECTION PROCEDURE  
    OPTICAL MEASUREMENT  
    PHOTOELASTIC ANALYSIS  
    PHOTOGRAPHY  
    PHOTOINTERPRETATION  
    PHOTOMETRY  
    PHOTORECONNAISSANCE  
    SPECTROMETERS

### PHOTOGRAPHIC PLATES

RT GLASS  
    PHOTOGRAPHIC PROCESSING  
    PHOTOGRAPHS  
    PHOTOGRAPHY  
    ∞ PLATES



## PHOTOGRAPHIC PROCESSING

### PHOTOGRAPHIC PROCESSING

RT DARKROOMS  
PHOTOGRAPHIC PLATES  
PHOTOGRAPHS  
PHOTOGRAPHY  
PRINTING  
∞ PROCESSING

### PHOTOGRAPHIC PROCESSING EQUIPMENT

GS PHOTOGRAPHIC EQUIPMENT  
PHOTOGRAPHIC PROCESSING EQUIPMENT  
RT DARKROOMS  
PHOTOGRAPHY  
REPRODUCTION (COPYING)

### PHOTOGRAPHIC RECORDING

GS RECORDING  
PHOTOGRAPHIC RECORDING  
RT DATA RECORDING  
HIGH SPEED PHOTOGRAPHY  
HOLOGRAMMETRY  
INTERMITTENCY HYPOTHESIS  
PHOTOGRAPHS  
PHOTOGRAPHY  
RECORDING INSTRUMENTS

### PHOTOGRAPHIC RECTIFIERS

GS OPTICAL EQUIPMENT  
PHOTOGRAPHIC RECTIFIERS  
PHOTOGRAPHIC EQUIPMENT  
PHOTOGRAPHIC RECTIFIERS  
RT ∞ CONDENSERS  
PHOTOGRAPHY

### PHOTOGRAPHIC TRACKING

GS TRACKING (POSITION)  
PHOTOGRAPHIC TRACKING  
RT CINETHEODOLITES  
OPTICAL TRACKING  
PHOTOGRAPHY  
SATELLITE TRACKING  
SPACE DETECTION AND TRACKING SYSTEM

### PHOTOGRAPHS

GS PHOTOGRAPHS  
CLOUD PHOTOGRAPHS  
LUNAR PHOTOGRAPHS  
MARS PHOTOGRAPHS  
MICROPHOTOGRAPHS  
MOTION PICTURES  
PHOTOMICROGRAPHS  
RT DISPLAY DEVICES  
IMAGES  
MOSAICS  
OPTICAL CORRECTION PROCEDURE  
PHOTOGRAPHIC DEVELOPERS  
PHOTOGRAPHIC FILM  
PHOTOGRAPHIC PLATES  
PHOTOGRAPHIC PROCESSING  
PHOTOGRAPHIC RECORDING  
PHOTOGRAPHY  
PIXELS  
REPRESENTATIONS  
SPATIAL FILTERING  
VISUAL AIDS  
XEROGRAPHY

### PHOTOGRAPHY

GS PHOTOGRAPHY  
AERIAL PHOTOGRAPHY  
ALL SKY PHOTOGRAPHY  
ASTRONOMICAL PHOTOGRAPHY  
AUTORADIOGRAPHY  
BLACK AND WHITE PHOTOGRAPHY  
CHRONOPHOTOGRAPHY  
CINEMATOGRAPHY  
CLOUD PHOTOGRAPHY  
COLOR PHOTOGRAPHY  
ELECTRO-OPTICAL PHOTOGRAPHY  
ELECTRON PHOTOGRAPHY  
FRACTOGRAPHY  
FRAME PHOTOGRAPHY  
HIGH SPEED PHOTOGRAPHY  
HOLOGRAPHY  
ACOUSTICAL HOLOGRAPHY  
MICROWAVE HOLOGRAPHY  
SPECKLE HOLOGRAPHY  
WHITE LIGHT HOLOGRAPHY  
INFRARED IMAGERY  
LUNAR PHOTOGRAPHY  
METRIC PHOTOGRAPHY  
MICROWAVE PHOTOGRAPHY  
MULTISPECTRAL PHOTOGRAPHY

### PHOTOGRAPHY-(CONT.)

INFRARED PHOTOGRAPHY  
COLOR INFRARED PHOTOGRAPHY  
RADAR PHOTOGRAPHY  
ORTHOPHOTOGRAPHY  
PHOTOMICROGRAPHY  
ROCKET-BORNE PHOTOGRAPHY  
SHADOWGRAPH PHOTOGRAPHY  
SCHLIEREN PHOTOGRAPHY  
SPACEBORNE PHOTOGRAPHY  
SATELLITE-BORNE PHOTOGRAPHY  
SPECTROPHOTOGRAPHY  
STEREOSCOPY  
STEREOPHOTOGRAPHY  
STREAK PHOTOGRAPHY  
ULTRAVIOLET PHOTOGRAPHY  
ULTRAVIOLET PHOTOMETRY  
UNDERWATER PHOTOGRAPHY  
UROGRAPHY  
RT BRIGHTNESS DISTRIBUTION  
BRIGHTNESS TEMPERATURE  
CAMERAS  
CLOUD PHOTOGRAPHS  
DARKROOMS  
EARTH OBSERVATIONS (FROM SPACE)  
EARTH RESOURCES  
EVAPOROGRAPHY  
EXPOSURE  
GRAPHIC ARTS  
HS-801 AIRCRAFT  
ICE MAPPING  
IMAGERY  
IMAGING TECHNIQUES  
LUNAR PHOTOGRAPHS  
MAPPING  
MARS PHOTOGRAPHS  
MICROPHOTOGRAPHS  
MULTISPECTRAL BAND CAMERAS  
MULTISPECTRAL BAND SCANNERS  
PANORAMIC CAMERAS  
PHOTOGRAPHIC DEVELOPERS  
PHOTOGRAPHIC EMULSIONS  
PHOTOGRAPHIC EQUIPMENT  
PHOTOGRAPHIC FILM  
PHOTOGRAPHIC MEASUREMENT  
PHOTOGRAPHIC PLATES  
PHOTOGRAPHIC PROCESSING  
PHOTOGRAPHIC PROCESSING EQUIPMENT  
PHOTOGRAPHIC RECORDING  
PHOTOGRAPHIC RECTIFIERS  
PHOTOGRAPHIC TRACKING  
PHOTOGRAPHS  
PHOTOINTERPRETATION  
PHOTOLITHOGRAPHY  
PHOTOMAPPING  
PHOTOMAPS  
PHOTOMASKS  
PHOTOMECHANICAL EFFECT  
PHOTORECONNAISSANCE  
PINHOLE CAMERAS  
PIXELS  
PROJECTORS  
RADIOGRAPHY  
RAPID BALLISTICS IDENTIFICATION  
REPRODUCTION (COPYING)  
TIMBER INVENTORY  
WAVE FRONT RECONSTRUCTION  
XEROGRAPHY

### PHOTOINTERPRETATION

UF PHOTOGRAPH INTERPRETATION  
RT AERIAL PHOTOGRAPHY  
ANALYZING  
CHANGE DETECTION  
GROUND TRUTH  
INTERPRETATION  
PHOTOGRAPHIC MEASUREMENT  
PHOTOGRAPHY  
PHOTOMAPPING  
PHOTORECONNAISSANCE  
SEA TRUTH  
SPATIAL FILTERING

### PHOTOIONIZATION

GS EMISSION  
PHOTOIONIZATION  
IONIZATION  
PHOTOIONIZATION  
PHOTOELECTRICITY  
PHOTOELECTRIC EFFECT  
PHOTOIONIZATION  
RT ATMOSPHERIC IONIZATION  
AURORAL IONIZATION  
AURORAL IRRADIATION

### PHOTOIONIZATION-(CONT.)

ELECTRON EMISSION  
GAS IONIZATION  
LASER INDUCED FLUORESCENCE  
PHOTODETACHMENT  
PHOTOELECTRIC EMISSION  
PHOTOELECTRONS

### PHOTOLITHOGRAPHY

GS PRINTING  
LITHOGRAPHY  
PHOTOLITHOGRAPHY  
RT MICROELECTRONICS  
MICROMODULES  
PHOTOGRAPHY

### PHOTOLUMINESCENCE

GS EMISSION  
LIGHT EMISSION  
LUMINESCENCE  
PHOTOLUMINESCENCE  
TRIBOLUMINESCENCE  
X RAY FLUORESCENCE  
RT FLUORESCENCE  
LASER INDUCED FLUORESCENCE  
PHOTOLUMINESCENT BANDS

### PHOTOLUMINESCENT BANDS

GS SPECTRA  
SPECTRAL BANDS  
PHOTOLUMINESCENT BANDS  
RT ABSORPTION SPECTRA  
BANDS  
EMISSION SPECTRA  
PHOTOLUMINESCENCE  
TRIBOLUMINESCENCE

### PHOTOLYSIS

GS CHEMICAL REACTIONS  
PHOTOCHEMICAL REACTIONS  
PHOTOLYSIS  
DECOMPOSITION  
PHOTOLYSIS  
RADIATION CHEMISTRY  
PHOTOLYSIS  
RT CRACKING (CHEMICAL ENGINEERING)  
ELECTROLYSIS  
PHOTODECOMPOSITION  
PHOTODISSOCIATION  
RADIOLYSIS

### PHOTOMAGNETIC EFFECTS

RT DEUTERONS  
EFFECTS  
GAMMA RAYS  
PHOTOELECTRONS  
SPIN DECOUPLING

### PHOTOMAPPING

GS MAPPING  
PHOTOMAPPING  
RT AERIAL PHOTOGRAPHY  
COASTAL ZONE COLOR SCANNER  
COLOR PHOTOGRAPHY  
DMSP SATELLITES  
EARTH RESOURCES  
GEODESY  
GEOLOGY  
GNOMONIC PROJECTION  
HOLOGRAMMETRY  
ICE MAPPING  
MAPS  
OCEAN COLOR SCANNER  
PHOTOGEOLOGY  
PHOTOGRAPHY  
PHOTOINTERPRETATION  
ROCKET-BORNE PHOTOGRAPHY  
SATELLITE-BORNE PHOTOGRAPHY  
SOIL MAPPING  
SPACEBORNE PHOTOGRAPHY  
THEMATIC MAPPING  
THERMAL MAPPING  
TOPOGRAPHY

### PHOTOMAPS

GS MAPS  
PHOTOMAPS  
RT AERIAL PHOTOGRAPHY  
PHOTOGRAPHY  
RELIEF MAPS  
SATELLITE-BORNE PHOTOGRAPHY  
SPACEBORNE PHOTOGRAPHY  
THEMATIC MAPPING

## PHOTOPHILIC PLANTS

### PHOTOMASKS

RT ARRAYS  
CIRCUIT DIAGRAMS  
INTEGRATED CIRCUITS  
MASKING  
MICROELECTRONICS  
MICROPHOTOGRAPHS  
∞ PATTERNS  
PHOTOGRAPHY  
PRINTED CIRCUITS  
SOLID STATE DEVICES  
SUBSTRATES  
WAFERS

### PHOTOMECHANICAL EFFECT

RT ∞ EFFECTS  
LITHOGRAPHY  
PHOTOENGRAVING  
PHOTOGRAPHY  
PRINTING

### PHOTOMETERS

UF MICROPHOTOMETERS  
PHOTODETECTORS  
GS MEASURING INSTRUMENTS  
OPTICAL MEASURING INSTRUMENTS  
PHOTOMETERS  
ELECTROPHOTOMETERS  
ULTRAVIOLET SPECTROMETERS  
ULTRAVIOLET  
SPECTROPHOTOMETERS  
RADIATION MEASURING INSTRUMENTS  
PHOTOMETERS  
ELECTROPHOTOMETERS  
ULTRAVIOLET SPECTROMETERS  
ULTRAVIOLET  
SPECTROPHOTOMETERS  
OPTICAL EQUIPMENT  
OPTICAL MEASURING INSTRUMENTS  
PHOTOMETERS  
ELECTROPHOTOMETERS  
ULTRAVIOLET SPECTROMETERS  
ULTRAVIOLET  
SPECTROPHOTOMETERS  
RT BOLOMETERS  
DENSITOMETERS  
ELECTROPHOTOMETRY  
ELLIPSOLOGRAPHY  
HORIZON SCANNERS  
INFRARED SPECTROPHOTOMETERS  
MICRODENSITOMETERS  
NEPHELOMETERS  
OPTICAL MEASUREMENT  
PHOTOCONDUCTORS  
PHOTOELECTRIC CELLS  
PHOTOGRAPHIC EQUIPMENT  
PHOTOMETRY  
PHOTOTRANSISTORS  
POLARIMETERS  
PYRANOMETERS  
RADIOMETERS  
REFLECTOMETERS  
SPECTROMETERS  
SPECTROPHOTOMETERS  
TELEPHOTOMETRY  
TRANSMISSOMETERS  
ULTRAVIOLET DETECTORS

### PHOTOMETRY

GS OPTICAL MEASUREMENT  
PHOTOMETRY  
ASTRONOMICAL PHOTOMETRY  
STELLAR SPECTROPHOTOMETRY  
ELECTROPHOTOMETRY  
INFRARED PHOTOMETRY  
SPECTROPHOTOMETRY  
STELLAR SPECTROPHOTOMETRY  
TELEPHOTOMETRY  
ULTRAVIOLET PHOTOMETRY  
VISUAL PHOTOMETRY  
RT CHEMICAL ANALYSIS  
COLORIMETRY  
ILLUMINATING  
∞ ILLUMINATION  
LIGHT (VISIBLE RADIATION)  
LUMINANCE  
PHOTOGRAPHIC MEASUREMENT  
PHOTOMETERS  
POLARIMETRY  
REFLECTANCE  
SPECTROSCOPY  
TRANSMITTANCE

### PHOTOMICROGRAPHS

GS PHOTOGRAPHS

### PHOTOMICROGRAPHS-(CONT.)

RT PHOTOMICROGRAPHS  
PHOTOMICROGRAPHY

### PHOTOMICROGRAPHY

UF MICROGRAPHY  
GS IMAGERY  
PHOTOMICROGRAPHY  
PHOTOGRAPHY  
PHOTOMICROGRAPHY  
RT BLACK AND WHITE PHOTOGRAPHY  
ELECTRON MICROSCOPES  
METALLOGRAPHY  
MICROSCOPES  
MICROSCOPY  
MICROSTRUCTURE  
PHOTOMICROGRAPHS

### PHOTOMULTIPLIER TUBES

UF ELECTRON MULTIPLIERS  
MULTIPLIER PHOTOTUBES  
GS AMPLIFIERS  
CURRENT AMPLIFIERS  
PHOTOMULTIPLIER TUBES  
FREQUENCY MODULATION  
PHOTOMULTIPLIERS  
ELECTRON TUBES  
COLD CATHODE TUBES  
PHOTOTUBES  
PHOTOMULTIPLIER TUBES  
FREQUENCY MODULATION  
PHOTOMULTIPLIERS  
RT CATHODES  
CHANNEL MULTIPLIERS  
DYNODES  
ELECTRODES  
MICROCHANNEL PLATES  
MICROWAVE TUBES  
MULTIPLIER DISCHARGES  
MULTIPLIERS  
PHOTOCATHODES  
PHOTOELECTRIC CELLS  
SCINTILLATION COUNTERS  
SECONDARY EMISSION

### PHOTON ABSORPTIOMETRY

GS DENSITY MEASUREMENT  
PHOTON ABSORPTIOMETRY  
RT ABSORPTION SPECTRA  
DENSITOMETERS  
ELECTROMAGNETIC ABSORPTION  
ENERGY ABSORPTION  
GAMMA RAY ABSORPTIOMETRY  
GAMMA RAY ABSORPTION  
MULTIPHOTON ABSORPTION  
RADIATION ABSORPTION

### PHOTON BEAMS

GS BEAMS (RADIATION)  
PHOTON BEAMS  
LIGHT BEAMS  
ELECTROMAGNETIC RADIATION  
PHOTON BEAMS  
LIGHT BEAMS  
RT BEAM WAVEGUIDES  
GAMMA RAY BEAMS  
INCIDENT RADIATION  
LASER OUTPUTS  
OPTICAL PATHS  
OPTICAL SCANNERS  
PHONON BEAMS  
PHOTOELECTROCHEMICAL DEVICES  
PHOTONIC PROPULSION  
PHOTONS  
REFLECTED WAVES  
REFRACTED WAVES  
THERMAL BLOOMING

### PHOTON DENSITY

GS RATES (PER TIME)  
FLUX DENSITY  
PHOTON DENSITY  
RT SQUEEZED STATES (QUANTUM THEORY)

### PHOTON-ELECTRON INTERACTION

RT ELASTIC SCATTERING  
ELECTRON SCATTERING  
ELEMENTARY PARTICLE INTERACTIONS  
∞ INTERACTIONS  
UMKLAPP PROCESS

### PHOTONEUTRONS

GS NUCLEAR RADIATION  
PHOTONEUTRONS  
PARTICLES

### PHOTONEUTRONS-(CONT.)

ELEMENTARY PARTICLES  
FERMIONS  
NEUTRONS  
PHOTONEUTRONS  
NEUTRAL PARTICLES  
NEUTRONS  
PHOTONEUTRONS  
RT BARYONS  
NUCLEAR PARTICLES  
NUCLEAR REACTIONS  
PHOTOELECTRONS  
PHOTONUCLEAR REACTIONS  
VECTOR DOMINANCE MODEL

### PHOTONIC PROPULSION

GS PROPULSION  
LOW THRUST PROPULSION  
PHOTONIC PROPULSION  
SPACECRAFT PROPULSION  
PHOTONIC PROPULSION  
RT ELECTROMAGNETIC PROPULSION  
PHOTON BEAMS

### PHOTONIC SWITCHING

USE OPTICAL SWITCHING

### PHOTONICS

RT ELECTRO-OPTICS  
FIBER OPTICS  
LASERS  
LIGHT EMITTING DIODES  
OPTICAL DATA PROCESSING  
OPTICAL SWITCHING  
OPTICAL WAVEGUIDES  
OPTOELECTRONIC DEVICES  
PHOTONS

### PHOTONS

GS PARTICLES  
ELEMENTARY PARTICLES  
BOSONS  
PHOTONS  
LIGHT BEAMS  
NUCLEAR PARTICLES  
BOSONS  
PHOTONS  
RT ANNIHILATION REACTIONS  
COSMIC RAYS  
ELECTROMAGNETIC RADIATION  
GAMMA RAYS  
LIGHT (VISIBLE RADIATION)  
NUCLEAR RADIATION  
OPTICAL PROPERTIES  
PHOTON BEAMS  
PHOTONICS  
PHOTONUCLEAR REACTIONS  
PHOTOPRODUCTION  
PLANCKS CONSTANT  
QUANTUM THEORY  
∞ RADIATION  
ROTONS

### PHOTONUCLEAR REACTIONS

GS NUCLEAR REACTIONS  
PHOTONUCLEAR REACTIONS  
RT ELECTROMAGNETIC INTERACTIONS  
LIGHT (VISIBLE RADIATION)  
PARTICLE INTERACTIONS  
PHOTOELECTRONS  
PHOTONEUTRONS  
PHOTONS  
PHOTOPRODUCTION

### PHOTOOXIDATION

GS CHEMICAL REACTIONS  
OXIDATION  
PHOTOOXIDATION  
RT ASSOCIATION REACTIONS  
PHOTOCHEMICAL OXIDANTS

### PHOTOPEAK

RT AMPLITUDE DISTRIBUTION ANALYSIS  
PHOTOELECTRIC EMISSION  
PULSE AMPLITUDE  
SCINTILLATION COUNTERS

### PHOTOPHILIC PLANTS

GS PLANTS (BOTANY)  
PHOTOPHILIC PLANTS  
RT LIGHT (VISIBLE RADIATION)  
PHOTOSENSITIVITY

## PHOTOPHORESIS

### PHOTOPHORESIS

- RT AEROSOLS
- LIGHT (VISIBLE RADIATION)
- PARTICLE INTERACTIONS
- PARTICLE MOTION
- RADIATION PRESSURE

### PHOTOPLASTICITY

- GS MECHANICAL PROPERTIES
- PLASTIC PROPERTIES
- PHOTOPLASTICITY

### PHOTOPRODUCTION

- GS ELECTROMAGNETIC INTERACTIONS
- PHOTOPRODUCTION
- PARTICLE PRODUCTION
- PHOTOPRODUCTION
- RT ELECTROMAGNETIC ABSORPTION
- PAIR PRODUCTION
- PHOTONS
- PHOTONUCLEAR REACTIONS
- RADIOACTIVE DECAY
- VECTOR DOMINANCE MODEL

### PHOTORECEPTORS

- GS ANATOMY
- SENSE ORGANS
- PHOTORECEPTORS
- RECEPTORS (PHYSIOLOGY)
- PHOTORECEPTORS
- RT EYE (ANATOMY)
- PHOTOSENSITIVITY
- RETINA
- SENSITOMETRY
- VISUAL PIGMENTS
- YOUNG-HELMHOLTZ THEORY

### PHOTORECONNAISSANCE

- GS IMAGERY
- PHOTORECONNAISSANCE
- RECONNAISSANCE
- PHOTORECONNAISSANCE
- RT AERIAL RECONNAISSANCE
- AIRBORNE INTEGRATED
- RECONNAISSANCE SYSTEM
- BLACK AND WHITE PHOTOGRAPHY
- DMSF SATELLITES
- EARTH RESOURCES SURVEY AIRCRAFT
- GROUND TRUTH
- HS-801 AIRCRAFT
- PHOTOGRAMMETRY
- PHOTOGRAPHIC MEASUREMENT
- PHOTOGRAPHY
- PHOTOINTERPRETATION
- SPECTRAL RECONNAISSANCE

### PHOTOREDUCTION

- USE PHOTOCHEMICAL REACTIONS

### PHOTORESISTIVITY

- USE PHOTOCONDUCTIVITY

### PHOTORESISTORS

- USE PHOTOCONDUCTORS

### PHOTOSENSITIVITY

- GS SENSITIVITY
- PHOTOSENSITIVITY
- LIGHT ADAPTATION
- PHOTOTROPISM
- RT LIGHT (VISIBLE RADIATION)
- PHOTOGRAPHIC EMULSIONS
- PHOTOPHILIC PLANTS
- PHOTORECEPTORS
- SENSITOMETRY
- THRESHOLDS (PERCEPTION)
- VISUAL PIGMENTS

### PHOTOSENSORS

- USE PHOTOELECTRICITY
- RADIATION MEASURING INSTRUMENTS

### PHOTOSPHERE

- GS PHOTOSPHERE
- SOLAR GRANULATION
- RT CHROMOSPHERE
- FACULAE
- SOLAR ATMOSPHERE
- SOLAR PHYSICS
- SPICULES
- STARSPOTS
- STELLAR ACTIVITY
- SUN
- SUNSPOTS

### PHOTOSTRESSES

- GS STRESSES
- PHOTOSTRESSES

### PHOTOSYNTHESIS

- GS CHEMICAL REACTIONS
- PHOTOCHEMICAL REACTIONS
- PHOTOSYNTHESIS
- RT ALGAE
- CARBOHYDRATES
- CHLORELLA
- CHLOROPHYLLS
- CHLOROPLASTS
- CROP GROWTH
- RESPIRATION

### PHOTOTHERMAL CONVERSION

- GS ENERGY CONVERSION
- SOLAR ENERGY CONVERSION
- PHOTOTHERMAL CONVERSION
- RT  $\infty$  CONVERSION
- ENERGY ABSORPTION FILMS
- ENERGY CONVERSION EFFICIENCY
- ENERGY TECHNOLOGY
- SELECTIVITY
- SOLAR COLLECTORS
- SOLAR DYNAMIC POWER SYSTEMS
- SOLAR ENERGY ABSORBERS
- SOLAR REFLECTORS
- SOLAR THERMAL ELECTRIC POWER
- PLANTS
- SPECTRAL SENSITIVITY
- THERMAL ENERGY
- THERMODYNAMICS

### PHOTOTHERMOTROPISM

- USE ANISOTROPY
- PHOTOTROPISM
- TEMPERATURE EFFECTS

### PHOTOTRANSISTORS

- GS ELECTRONIC EQUIPMENT
- SOLID STATE DEVICES
- SEMICONDUCTOR DEVICES
- TRANSISTORS
- PHOTOTRANSISTORS
- OPTOELECTRONIC DEVICES
- PHOTOTRANSISTORS
- RT JUNCTION TRANSISTORS
- PHOTOCONDUCTORS
- PHOTODIODES
- PHOTOELECTRIC CELLS
- PHOTOELECTRIC MATERIALS
- PHOTOMETERS
- PHOTOTUBES

### PHOTOTROPISM

- UF PHOTOTHERMOTROPISM
- GS SENSITIVITY
- PHOTOSENSITIVITY
- PHOTOTROPISM
- RT COLOR
- CROP VIGOR
- OPTICAL PROPERTIES
- PLANTS (BOTANY)

### PHOTOTUBES

- GS ELECTRON TUBES
- COLD CATHODE TUBES
- PHOTOTUBES
- PHOTOMULTIPLIER TUBES
- FREQUENCY MODULATION
- PHOTOMULTIPLIERS
- RT CATHODES
- ELECTRODES
- FLYING SPOT SCANNERS
- GAS DISCHARGE TUBES
- MICROWAVE TUBES
- PHOTODIODES
- PHOTOELECTRIC CELLS
- PHOTOELECTRIC MATERIALS
- PHOTOTRANSISTORS

### PHOTOVISCOELASTICITY

- GS ELECTROMAGNETIC PROPERTIES
- OPTICAL PROPERTIES
- PHOTOVISCOELASTICITY
- PHOTOELASTICITY
- PHOTOVISCOELASTICITY
- MECHANICAL PROPERTIES
- ELASTIC PROPERTIES
- PHOTOELASTICITY
- PHOTOVISCOELASTICITY
- VISCOELASTICITY
- PHOTOVISCOELASTICITY

### PHOTOVOLTAGES

- GS POTENTIAL ENERGY
- ELECTRIC POTENTIAL
- PHOTOVOLTAGES
- RT PHOTOELECTRIC EMISSION
- PHOTOELECTRICITY
- PHOTOVOLTAIC EFFECT
- THRESHOLD VOLTAGE

### PHOTOVOLTAIC CELLS

- GS ELECTRIC GENERATORS
- DIRECT POWER GENERATORS
- PHOTOELECTRIC GENERATORS
- PHOTOVOLTAIC CELLS
- SOLAR CELLS
- VERTICAL JUNCTION SOLAR CELLS
- ELECTRONIC EQUIPMENT
- SOLID STATE DEVICES
- SEMICONDUCTOR DEVICES
- PHOTOVOLTAIC CELLS
- SOLAR CELLS
- VERTICAL JUNCTION SOLAR CELLS
- PHOTOELECTRIC CELLS
- PHOTOVOLTAIC CELLS
- SOLAR CELLS
- VERTICAL JUNCTION SOLAR CELLS
- RT AMORPHOUS SILICON
- $\infty$  CELLS
- ELECTROCHEMICAL CELLS
- PHOTOCONDUCTIVE CELLS
- PHOTOELECTRIC MATERIALS
- SHORT CIRCUIT CURRENTS
- SIS (SEMICONDUCTORS)
- SOLAR GENERATORS

### PHOTOVOLTAIC CONVERSION

- GS ENERGY CONVERSION
- SOLAR ENERGY CONVERSION
- PHOTOVOLTAIC CONVERSION
- RT  $\infty$  CONVERSION
- PHOTOVOLTAIC EFFECT
- SOLAR ARRAYS
- SOLAR CELLS

### PHOTOVOLTAIC EFFECT

- GS ELECTRICAL PROPERTIES
- PHOTOVOLTAIC EFFECT
- PHOTOELECTRICITY
- PHOTOELECTRIC EFFECT
- PHOTOVOLTAIC EFFECT
- RT  $\infty$  EFFECTS
- PHOTOELECTRIC EMISSION
- PHOTOELECTRONS
- PHOTOVOLTAGES
- PHOTOVOLTAIC CONVERSION
- THRESHOLD VOLTAGE

### PHREATOPHYTES

- GS PLANTS (BOTANY)
- PHREATOPHYTES
- RT TREES (PLANTS)

### PHTHALATES

- GS ESTERS
- PHTHALATES

### PHTHALOCYANIN

- GS ORGANIC COMPOUNDS
- CYCLIC COMPOUNDS
- HETEROCYCLIC COMPOUNDS
- PHTHALOCYANIN
- RT PIGMENTS

### PHUGOID OSCILLATIONS

- USE OSCILLATIONS
- OSCILLATORS
- PITCH (INCLINATION)

### PHYLLUQUINONE

- UF VITAMIN K
- GS ORGANIC COMPOUNDS
- CYCLIC COMPOUNDS
- HETEROCYCLIC COMPOUNDS
- PHYLLUQUINONE
- LIPIDS
- PHYLLUQUINONE
- VITAMINS
- PHYLLUQUINONE

### PHYSICAL CHEMISTRY

- GS PHYSICAL CHEMISTRY
- CRYOCHEMISTRY

## PHYSIOLOGICAL FACTORS

### PHYSICAL CHEMISTRY-(CONT.)

- RT . QUANTUM CHEMISTRY
- . AEROTHERMOCHEMISTRY
- ATMOSPHERIC CHEMISTRY
- CHEMICAL ANALYSIS
- ∞ CHEMISTRY
- COMPUTATIONAL CHEMISTRY
- NUCLEAR CHEMISTRY
- ∞ PHYSICS
- THERMOCHEMISTRY
- THERMODYNAMICS

### PHYSICAL CONSTANTS TESTING REACTOR

- USE . NUCLEAR RESEARCH AND TEST REACTORS
- WATER COOLED REACTORS

### PHYSICAL ENDURANCE

- USE . PHYSICAL FITNESS

### PHYSICAL EXAMINATIONS

- RT . FLIGHT FITNESS
- MOBILE QUARANTINE FACILITY
- PERCUSSION
- PERSONNEL SELECTION

### PHYSICAL EXERCISE

- UF . EXERCISE
- GYMNASTICS
- GS . PHYSICAL EXERCISE
- . HYPERKINESIA
- RT . ANGINA PECTORIS
- ATHLETES
- ATROPHY
- FATIGUE (BIOLOGY)
- HYPOKINESIA
- PHYSICAL FITNESS
- RUNNING
- SWIMMING
- TREADMILLS
- WALKING

### PHYSICAL FACTORS

- GS . PHYSIOLOGICAL FACTORS
- . PHYSICAL FACTORS
- RT ∞ PHYSICS
- WORK

### PHYSICAL FITNESS

- UF . PHYSICAL ENDURANCE
- GS . FITNESS
- . PHYSICAL FITNESS
- RT . ATHLETES
- COMPETITION
- EXERCISE PHYSIOLOGY
- FLIGHT FITNESS
- PHYSICAL EXERCISE
- PHYSIOLOGICAL TESTS
- POSTURE
- SPORTS MEDICINE
- SWIMMING
- TREADMILLS
- WORK CAPACITY

### PHYSICAL OPTICS

- RT . CRYSTAL OPTICS
- FIBER OPTICS
- GEOMETRICAL OPTICS
- GRADIENT INDEX OPTICS
- OPTICAL PROPERTIES
- ∞ OPTICS
- QUANTUM OPTICS
- QUANTUM THEORY
- ∞ THEORIES

### ∞ PHYSICAL PROPERTIES

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT . ACOUSTIC PROPERTIES
- ADSORPTIVITY
- BRAGG ANGLE
- BUOYANCY
- CHEMICAL PROPERTIES
- COLOR
- DENSITY (MASS/VOLUME)
- DIFFUSIVITY
- DURABILITY
- EDDY CURRENTS
- ELASTIC PROPERTIES
- ELECTRICAL PROPERTIES
- ELECTROMAGNETIC PROPERTIES
- FUSIBILITY
- ∞ HIGH RESISTANCE
- HYGROSCOPICITY

### PHYSICAL PROPERTIES-(CONT.)

- HYSTERESIS
- IMPEDANCE
- INTERNAL FRICTION
- ISOTROPY
- MAGNETIC DIPOLES
- MAGNETIC PROPERTIES
- MECHANICAL PROPERTIES
- OPTICAL PROPERTIES
- PERMEABILITY
- POLYMORPHISM
- PROPELLANT PROPERTIES
- ∞ PROPERTIES
- SURFACE PROPERTIES
- THERMAL EXPANSION
- THERMODYNAMIC PROPERTIES
- THIXOTROPY
- TRANSMISSIVITY
- TRANSPORT PROPERTIES
- VIRTUAL PROPERTIES
- VISCOSITY

### ∞ PHYSICAL SCIENCES

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT . ASTRONOMY
- ∞ CHEMISTRY
- GEOLOGY
- LIFE SCIENCES
- ∞ METALLURGY
- METEOROLOGY
- MINERALOGY
- OCEANOGRAPHY
- ∞ PHYSICS
- ∞ SCIENCE

### PHYSICAL WORK

- UF . EXERTION
- GS . WORK
- . PHYSICAL WORK
- RT . EFFORT
- HORSEPOWER
- TASKS
- TREADMILLS
- WORK CAPACITY
- WORKLOADS (PSYCHOPHYSIOLOGY)

### PHYSICIANS

- GS . PERSONNEL
- . MEDICAL PERSONNEL
- . PHYSICIANS
- RT . STETHOSCOPES

### ∞ PHYSICS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT . ASTROPHYSICS
- ATMOSPHERIC PHYSICS
- ATOMIC PHYSICS
- BIOPHYSICS
- BRANCHING (PHYSICS)
- CHARM (PARTICLE PHYSICS)
- CLOUD PHYSICS
- COMBUSTION
- COMBUSTION PHYSICS
- CONDENSED MATTER PHYSICS
- DEGENERATE MATTER
- ELECTROPHYSICS
- FIELD THEORY (PHYSICS)
- GEOPHYSICS
- HEALTH PHYSICS
- HEALTH PHYSICS RESEARCH REACTOR
- KINETICS
- LOW TEMPERATURE PHYSICS
- MAGNETOMECHANICS (PHYSICS)
- MATTER (PHYSICS)
- ∞ MECHANICS (PHYSICS)
- ∞ MOLECULAR PHYSICS
- NEUTRON PHYSICS
- NUCLEAR PHYSICS
- NUCLEI (NUCLEAR PHYSICS)
- PHYSICAL CHEMISTRY
- PHYSICAL FACTORS
- ∞ PHYSICAL SCIENCES
- PLASMA PHYSICS
- PLASMAS (PHYSICS)
- POLYMER PHYSICS
- PSYCHOPHYSICS
- QUENCHING (ATOMIC PHYSICS)
- RADIO PHYSICS
- REACTOR PHYSICS
- REENTRY PHYSICS
- RIGID ROTORS (PLASMA PHYSICS)

### PHYSICS-(CONT.)

- ∞ SCIENCE
- SELECTION RULES (NUCLEAR PHYSICS)
- SOLAR PHYSICS
- ∞ SOLID STATE PHYSICS
- STRANGE ATTRACTORS
- THEORETICAL PHYSICS

### PHYSICS AND CHEMISTRY EXPERIMENT IN SPACE

- UF . PACE
- GS . EXPERIMENTATION
- . PHYSICS AND CHEMISTRY EXPERIMENT IN SPACE
- PAYLOADS
- . SPACE SHUTTLE PAYLOADS
- . PHYSICS AND CHEMISTRY EXPERIMENT IN SPACE
- SPACEBORNE EXPERIMENTS
- . PHYSICS AND CHEMISTRY EXPERIMENT IN SPACE
- RT ∞ CHEMISTRY
- SPACE FLIGHT

### PHYSIOCHEMISTRY

- GS . BIOCHEMISTRY
- . PHYSIOCHEMISTRY
- RT ∞ CHEMISTRY
- EXERCISE PHYSIOLOGY
- MOLECULAR BIOLOGY
- ORGANIC CHEMISTRY
- PHYSIOLOGY
- PSYCHOTROPIC DRUGS
- ∞ SCIENCE

### PHYSIOGRAPHY

- USE . GEOMORPHOLOGY

### PHYSIOLOGICAL ACCELERATION

- GS . RATES (PER TIME)
- . PHYSIOLOGICAL ACCELERATION
- RT ∞ ACCELERATION
- ACCELERATION (PHYSICS)
- ACCELERATION STRESSES (PHYSIOLOGY)
- DECELERATION
- GRAVITATIONAL PHYSIOLOGY
- IMPACT ACCELERATION

### PHYSIOLOGICAL DEFENSES

- GS . PHYSIOLOGICAL DEFENSES
- . IMMUNE SYSTEMS
- RT . ANTIBODIES
- ANTIGENS
- BIOCOMPATIBILITY
- ∞ DEFENSE
- INOCULUM
- INTERFERON

### PHYSIOLOGICAL EFFECTS

- GS . PHYSIOLOGICAL EFFECTS
- . PHYSIOLOGICAL RESPONSES
- . . HEMODYNAMIC RESPONSES
- RT . BIOLOGICAL EFFECTS
- BONE DEMINERALIZATION
- CHOLERA
- COMFORT
- DIVING (UNDERWATER)
- ∞ EFFECTS
- ELECTROLYTE METABOLISM
- ENVIRONMENTAL ENGINEERING
- ENVIRONMENTS
- EXERCISE PHYSIOLOGY
- GEOTROPISM
- GONADS
- GRAVITATIONAL PHYSIOLOGY
- HEAD DOWN TILT
- HEAT ACCLIMATIZATION
- HEAT STROKE
- HEMATOPOIESIS
- HEMATOPOIETIC SYSTEM
- HUMAN REACTIONS
- NOISE POLLUTION
- RADIATION EFFECTS
- REACTION TIME
- RELATIVE BIOLOGICAL EFFECTIVENESS (RBE)
- SHOCK (PHYSIOLOGY)
- SPACE ADAPTATION SYNDROME
- SPORTS MEDICINE

### PHYSIOLOGICAL FACTORS

- GS . PHYSIOLOGICAL FACTORS
- . PHYSICAL FACTORS
- RT . ASTRONAUT PERFORMANCE

## PHYSIOLOGICAL RESPONSES

### PHYSIOLOGICAL FACTORS-(CONT.)

CHEMICAL DEFENSE  
CHEMICAL WARFARE  
FLIGHT STRESS (BIOLOGY)  
NOISE POLLUTION  
SEX FACTOR

### PHYSIOLOGICAL RESPONSES

GS PHYSIOLOGICAL EFFECTS  
    . PHYSIOLOGICAL RESPONSES  
    . HEMODYNAMIC RESPONSES  
    RESPONSES  
    . PHYSIOLOGICAL RESPONSES  
    . HEMODYNAMIC RESPONSES  
RT DESYNCHRONIZATION (BIOLOGY)  
EVOKED RESPONSE  
    (PSYCHOPHYSIOLOGY)  
GRAVITATIONAL PHYSIOLOGY  
PATHOLOGICAL EFFECTS

### PHYSIOLOGICAL TELEMETRY

USE BIOTELEMETRY

### PHYSIOLOGICAL TESTS

GS PHYSIOLOGICAL TESTS  
    . BODY SWAY TEST  
    . CARBOXYHEMOGLOBIN TEST  
    . EAR PRESSURE TEST  
    . ELECTRONYSTAGMOGRAPHY  
    . VESTIBULAR TESTS  
    . WEBER TEST  
RT CARDIOGRAPHY  
CERTIFICATION  
ENVIRONMENTAL INDEX  
ENVIRONMENTAL TESTS  
MOBILE QUARANTINE FACILITY  
PERSONNEL SELECTION  
PHYSICAL FITNESS  
PILOT SELECTION  
PSYCHOMOTOR PERFORMANCE  
SENSORIMOTOR PERFORMANCE  
TAYLOR MANIFEST ANXIETY SCALE  
∞ TESTS  
    TREADMILLS  
    URINALYSIS

### PHYSIOLOGY

GS PHYSIOLOGY  
    . AUDIOLOGY  
    . BODY COMPOSITION (BIOLOGY)  
    . ELECTROPHYSIOLOGY  
    . EXERCISE PHYSIOLOGY  
    . GRAVITATIONAL PHYSIOLOGY  
    . HEMATOPOIETIC SYSTEM  
    . LAMELLA  
    . MENSTRUATION  
    . NEUROPHYSIOLOGY  
    . PSYCHOPHYSIOLOGY  
    . WORKLOADS (PSYCHOPHYSIOLOGY)  
    . RESPIRATORY PHYSIOLOGY  
    . UNDERWATER PHYSIOLOGY  
RT CATABOLISM  
CHRONIC CONDITIONS  
DIFFERENTIATION (BIOLOGY)  
ELECTRIC STIMULI  
EXOSKELETONS  
FEET (ANATOMY)  
HOMEOSTASIS  
HUMAN BODY  
LOCOMOTION  
MITOSIS  
NUTRITION  
ORGANISMS  
PHYSIOCHEMISTRY  
REGENERATION (PHYSIOLOGY)  
REGULARITY  
RUGGEDNESS  
∞ SCIENCE  
    SEX FACTOR  
    STRESS (PHYSIOLOGY)

### PHYTOPLANKTON

GS PLANKTON  
    . PHYTOPLANKTON  
PLANTS (BOTANY)  
    . AQUATIC PLANTS  
    . PHYTOPLANKTON  
RT ALGAE  
MARINE BIOLOGY  
WATER POLLUTION  
ZOOPLANKTON

### PHYTOTRONS

UF GERMINATORS  
GROWTH CHAMBERS

### PHYTOTRONS-(CONT.)

RT GERMINATION  
GREENHOUSES  
GROWTH  
PLANTS (BOTANY)

### PI-ELECTRONS

GS PARTICLES  
    . CHARGED PARTICLES  
    . ENERGETIC PARTICLES  
    . ELECTRONS  
    . PI-ELECTRONS  
RT MOLECULAR ELECTRONICS  
NUCLEAR PARTICLES

### PIAGGIO AIRCRAFT

GS PIAGGIO AIRCRAFT  
    . P-166 AIRCRAFT  
    . PD-808 AIRCRAFT  
RT ∞ AIRCRAFT

### PIAGGIO P-166 AIRCRAFT

USE P-166 AIRCRAFT

### PIAGGIO-DOUGLAS PD-808 AIRCRAFT

USE PD-808 AIRCRAFT

### PIASECKI AIRCRAFT

GS PIASECKI AIRCRAFT  
    . VZ-8 AIRCRAFT  
RT ∞ AIRCRAFT

### PICKLING (METALLURGY)

GS CLEANING  
    . CHEMICAL CLEANING  
    . PICKLING (METALLURGY)  
RT DESCALING  
METAL FILMS  
METAL FINISHING  
SCALE (CORROSION)

### PICKOFFS

USE SENSORS

### PICKUPS

USE SENSORS

### PICOSECOND PULSES

GS PULSES  
    . PICOSECOND PULSES  
RT AMPLITUDES  
ELECTROMAGNETIC PULSES  
LASER OUTPUTS  
PULSE RATE  
PULSED RADIATION  
TIME SIGNALS

### PICRATES

GS NITROGEN COMPOUNDS  
    . NITRO COMPOUNDS  
    . PICRATES  
    . AMMONIUM PICRATES

### PICTURE ELEMENTS

USE PIXELS

### PICTURE TUBES

UF KINESCOPES  
GS ELECTRON TUBES  
    . VACUUM TUBES  
    . CATHODE RAY TUBES  
    . PICTURE TUBES  
VIDEO EQUIPMENT  
    . PICTURE TUBES  
RT DISPLAY DEVICES  
FLYING SPOT SCANNERS  
RASTER SCANNING  
TELEVISION EQUIPMENT

### PIEDMONTS

UF PEDIMENTS  
PEDIPLAINS  
GS LANDFORMS  
    . TERRACES (LANDFORMS)  
    . PLATEAUS  
    . PIEDMONTS  
    . CENTRAL PIEDMONT (US)  
RT COASTAL PLAINS  
MOUNTAINS

### PIERCING

UF PUNCTURING  
RT CUTTING  
DRILLING

### PIERCING-(CONT.)

EXTRUDING  
FORGING  
METAL WORKING  
PENETRATION  
PERFORATING  
∞ PERFORATION  
SPARK MACHINING  
VULNERABILITY

### PIERS

USE WHARVES

### PIEZOELECTRIC CERAMICS

GS TITANIUM COMPOUNDS  
    . TITANATES  
    . PIEZOELECTRIC CERAMICS  
    . LEAD ZIRCONATE TITANATES

### PIEZOELECTRIC CRYSTALS

GS CRYSTALS  
    . CRYSTAL OSCILLATORS  
    . PIEZOELECTRIC CRYSTALS  
OSCILLATORS  
    . CRYSTAL OSCILLATORS  
    . PIEZOELECTRIC CRYSTALS  
RT MICROSONICS  
PIEZORESISTIVE TRANSDUCERS  
QUARTZ TRANSDUCERS  
SINGLE CRYSTALS

### PIEZOELECTRIC GAGES

GS MEASURING INSTRUMENTS  
    . PRESSURE GAGES  
    . PIEZOELECTRIC GAGES  
TRANSDUCERS  
    . PIEZOELECTRIC TRANSDUCERS  
    . PIEZOELECTRIC GAGES  
    . PIEZORESISTIVE TRANSDUCERS  
    . PIEZOELECTRIC GAGES  
RT PRESSURE SENSORS  
STRAIN GAGES

### PIEZOELECTRIC TRANSDUCERS

GS TRANSDUCERS  
    . PIEZOELECTRIC TRANSDUCERS  
    . PIEZOELECTRIC GAGES  
RT INTERDIGITAL TRANSDUCERS  
PRAETERSONIC DEVICES  
ULTRASONIC CLEANING

### PIEZOELECTRICITY

GS ELECTRICAL PROPERTIES  
    . PIEZOELECTRICITY  
MECHANICAL PROPERTIES  
    . PIEZOELECTRICITY  
RT CRYSTAL OSCILLATORS  
ELASTIC PROPERTIES  
ELECTRICITY  
ELECTROSTRICTION  
PIEZORESISTIVE TRANSDUCERS  
PYROELECTRICITY

### PIEZOMETERS

GS MEASURING INSTRUMENTS  
    . PRESSURE GAGES  
    . PIEZOMETERS  
RT SEEPAGE

### PIEZORESISTIVE TRANSDUCERS

GS TRANSDUCERS  
    . PIEZORESISTIVE TRANSDUCERS  
    . PIEZOELECTRIC GAGES  
RT PIEZOELECTRIC CRYSTALS  
PIEZOELECTRICITY

### PIGEONS

GS ANIMALS  
    . VERTEBRATES  
    . BIRDS  
    . PIGEONS

### PIGGYBACK SYSTEMS

RT AIR LAUNCHING  
MULTISTAGE ROCKET VEHICLES  
PAYLOAD MASS RATIO  
PAYLOADS  
∞ SYSTEMS

### PIGMENTS

GS PIGMENTS  
    . CAROTENE  
    . CHLOROPHYLLS  
    . CYTOCHROMES

# PIONEER PROJECT

## PIGMENTS-(CONT.)

RT . MELANIN  
 . VISUAL PIGMENTS  
 ADDITIVES  
 ALBINISM  
 ANATASE  
 DOPA  
 FILLERS  
 INKS  
 MYOGLOBIN  
 PAINTS  
 PHTHALOCYANIN  
 RUTILE  
 SKIN (ANATOMY)

## PIGS (SWINE)

USE SWINE

## PIKE'S PEAK (CO)

GS LANDFORMS  
 . PEAKS (LANDFORMS)  
 . . PIKE'S PEAK (CO)  
 RT COLORADO  
 MOUNTAINS

## PILE FOUNDATIONS

GS FOUNDATIONS  
 . PILE FOUNDATIONS  
 RT ∞ PILES

## ∞ PILES

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT NUCLEAR REACTORS  
 PILE FOUNDATIONS

## PILLOWS

RT COUCHES  
 CUSHIONS  
 SEATS

## PILOCARPINE

GS BASES (CHEMICAL)  
 . ALKALOIDS  
 . . PILOCARPINE  
 NITROGEN COMPOUNDS  
 . ALKALOIDS  
 . . PILOCARPINE  
 ORGANIC COMPOUNDS  
 . CYCLIC COMPOUNDS  
 . . HETEROCYCLIC COMPOUNDS  
 . . . ALKALOIDS  
 . . . . PILOCARPINE

## PILOT ERROR

UF FLIGHT TECHNICAL ERROR  
 GS ERRORS  
 . PILOT ERROR  
 RT AIRCRAFT ACCIDENTS  
 COLLISIONS  
 CRASH LANDING  
 CRASHES  
 HUMAN FACTORS ENGINEERING  
 HUMAN PERFORMANCE  
 MIDAIR COLLISIONS  
 PILOT INDUCED OSCILLATION

## PILOT INDUCED OSCILLATION

RT AERODYNAMIC STABILITY  
 AIRCRAFT CONTROL  
 AIRCRAFT STABILITY  
 CONTROL STABILITY  
 HIGH GAIN  
 LONGITUDINAL CONTROL  
 MAN MACHINE SYSTEMS  
 NONSTABILIZED OSCILLATION  
 PILOT ERROR  
 PILOT PERFORMANCE  
 SELF INDUCED VIBRATION  
 STABLE OSCILLATIONS  
 TRANSIENT OSCILLATIONS

## PILOT LANDING AID TELEVISION SYSTEM

USE PLAT SYSTEM

## PILOT PERFORMANCE

GS HUMAN PERFORMANCE  
 . PILOT PERFORMANCE  
 RT AIRCRAFT PERFORMANCE  
 ASTRONAUT PERFORMANCE  
 FLIGHT FATIGUE  
 INTRAVEHICULAR ACTIVITY  
 MAN OPERATED PROPULSION SYSTEMS

## PILOT PERFORMANCE-(CONT.)

OPERATOR PERFORMANCE  
 ∞ PERFORMANCE  
 PILOT INDUCED OSCILLATION  
 PSYCHOMOTOR PERFORMANCE  
 SENSORIMOTOR PERFORMANCE

## PILOT PLANTS

RT INDUSTRIAL PLANTS  
 MODELS  
 PRODUCT DEVELOPMENT  
 PROTOTYPES

## PILOT SELECTION

GS SELECTION  
 . PERSONNEL SELECTION  
 . . PILOT SELECTION  
 RT PHYSIOLOGICAL TESTS  
 PSYCHOLOGICAL TESTS

## PILOT TRAINING

GS EDUCATION  
 . PILOT TRAINING  
 RT ASTRONAUT TRAINING  
 AVIATION PSYCHOLOGY  
 EJECTION INJURIES  
 EJECTION TRAINING  
 FLIGHT SIMULATORS  
 FLIGHT TRAINING  
 SPACE FLIGHT TRAINING  
 TRAINING SIMULATORS

## PILOTED CENTRIFUGES

USE HUMAN CENTRIFUGES

## PILOTLESS AIRCRAFT

SN (CONVENTIONAL AIRCRAFT CONVERTED  
 FOR REMOTE CONTROL)  
 GS PILOTLESS AIRCRAFT  
 . DRONE AIRCRAFT  
 . . TARGET DRONE AIRCRAFT  
 . . . FIREBEE 2 TARGET DRONE  
 AIRCRAFT  
 . . . JINDIVIK TARGET AIRCRAFT  
 RT ∞ AIRCRAFT  
 BALLOONS  
 DRONE VEHICLES  
 LIGHT AIRCRAFT  
 ∞ MILITARY AIRCRAFT  
 OBLIQUE WINGS  
 RECONNAISSANCE AIRCRAFT  
 REMOTELY PILOTED VEHICLES

## ∞ PILOTS

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT AIRCRAFT PILOTS  
 AUTOMATIC PILOTS  
 PILOTS (PERSONNEL)  
 TEST PILOTS

## PILOTS (PERSONNEL)

GS PERSONNEL  
 . FLYING PERSONNEL  
 . . PILOTS (PERSONNEL)  
 . . . AIRCRAFT PILOTS  
 . . . . TEST PILOTS  
 . OPERATORS (PERSONNEL)  
 . . PILOTS (PERSONNEL)  
 . . . AIRCRAFT PILOTS  
 . . . . TEST PILOTS  
 RT ASTRONAUTS  
 COSMONAUTS  
 CREWS  
 FLIGHT CREWS  
 ∞ PILOTS

## PINCH EFFECT

GS PINCH EFFECT  
 . PLASMA PINCH  
 . . SCREW PINCH  
 . . . THETA PINCH  
 . . . ZETA PINCH  
 . REVERSE FIELD PINCH  
 RT CYLINDRICAL PLASMAS  
 ∞ EFFECTS  
 MAGNETIC FIELDS  
 MAGNETOHYDRODYNAMICS  
 PLASMA COMPRESSION  
 PLASMA CONTROL  
 RELATIVISTIC PLASMAS  
 STELLARATORS  
 THERMONUCLEAR POWER GENERATION  
 THERMONUCLEAR REACTIONS

## PINCH EFFECT-(CONT.)

ZETA THERMONUCLEAR REACTOR

## PINEAL GLAND

GS ANATOMY  
 . GLANDS (ANATOMY)  
 . . ENDOCRINE GLANDS  
 . . . PINEAL GLAND  
 . NERVOUS SYSTEM  
 . . CENTRAL NERVOUS SYSTEM  
 . . . BRAIN  
 . . . . DIENCEPHALON  
 . . . . . PINEAL GLAND

## PINHOLE CAMERAS

GS OPTICAL EQUIPMENT  
 . CAMERAS  
 . . PINHOLE CAMERAS  
 PHOTOGRAPHIC EQUIPMENT  
 . CAMERAS  
 . . PINHOLE CAMERAS  
 RT APERTURES  
 PHOTOGRAPHY  
 PINHOLE OCCULTER FACILITY  
 PINHOLES

## PINHOLE OCCULTER FACILITY

GS OBSERVATORIES  
 . SOLAR OBSERVATORIES  
 . . PINHOLE OCCULTER FACILITY  
 RT OCCULTATION  
 PINHOLE CAMERAS  
 PINHOLES  
 SPACEBORNE ASTRONOMY

## PINHOLES

RT CASTING  
 CASTINGS  
 DEFECTS  
 INTERSTICES  
 LEAKAGE  
 PINHOLE CAMERAS  
 PINHOLE OCCULTER FACILITY  
 POROSITY

## PINNACLES

USE PEAKS (LANDFORMS)

## PINNING

SN (LIMITED TO ELECTRONICS)  
 GS PINNING  
 . FLUX PINNING  
 RT CRYSTAL DEFECTS  
 CRYSTAL DISLOCATIONS  
 CURRENT DENSITY  
 MAGNETIC FLUX  
 SUPERCONDUCTORS

## PINS

GS FASTENERS  
 . PINS  
 RT COUPLINGS  
 HOLDERS  
 LATCHES  
 RIVETS  
 ∞ SPIKES  
 STUDS (STRUCTURAL MEMBERS)

## PINTLES

RT PIVOTS  
 RUDDERS  
 SHAFTS (MACHINE ELEMENTS)

## PION BEAMS

GS BEAMS (RADIATION)  
 . PARTICLE BEAMS  
 . . PION BEAMS  
 RT NEUTRAL BEAMS  
 NEUTRON BEAMS

## PIONEER F SPACE PROBE

USE PIONEER 10 SPACE PROBE

## PIONEER G SPACE PROBE

USE PIONEER 11 SPACE PROBE

## PIONEER PROJECT

GS PROGRAMS  
 . NASA PROGRAMS  
 . . NASA SPACE PROGRAMS  
 . . . PIONEER PROJECT  
 . . . . PROJECTS  
 . . . . . PIONEER PROJECT  
 . . . . . SPACE PROGRAMS



# PITUITARY HORMONES

**PIONEER 11 SPACE PROBE-(CONT.)**  
 . SPACE PROBES  
 . PIONEER SPACE PROBES  
 . . . **PIONEER 11 SPACE PROBE**  
 RT ∞ PROBES

**PIONEER 12 SPACE PROBE**  
 USE PIONEER VENUS SPACECRAFT

**PIONS**  
 GS PARTICLES  
 . ELEMENTARY PARTICLES  
 . . BOSONS  
 . . . MESONS  
 . . . . **PIONS**  
 . . . . NUCLEAR PARTICLES  
 . . . . BOSONS  
 . . . . MESONS  
 . . . . . **PIONS**  
 RT BARYONS  
 CHARGED PARTICLES  
 KAONS

**PIPE FLOW**  
 UF KIRCHHOFF-HELMHOLTZ FLOW  
 GS FLUID FLOW  
 . GAS FLOW  
 . . **PIPE FLOW**  
 . . PARALLEL FLOW  
 . . . **PIPE FLOW**  
 RT CHANNEL FLOW  
 CRITICAL FLOW  
 LAMINAR FLOW  
 LIQUID FLOW  
 MASS FLOW  
 MULTIPHASE FLOW  
 OPEN CHANNEL FLOW  
 ORIFICE FLOW  
 PIPES (TUBES)  
 PRESSURE GRADIENTS  
 SINGLE-PHASE FLOW  
 STEADY FLOW  
 STEAM FLOW  
 SUBCRITICAL FLOW  
 SUPERCRITICAL FLOW  
 TURBULENT FLOW  
 UNIFORM FLOW  
 UNSTEADY FLOW  
 WATER FLOW  
 WATER HAMMER  
 WATER PRESSURE

**PIPE NOZZLES**  
 RT EXHAUST SYSTEMS  
 INLET NOZZLES  
 INTAKE SYSTEMS  
 NOZZLE GEOMETRY  
 ∞ NOZZLES  
 OPENINGS  
 OUTLETS  
 TANKS (CONTAINERS)

**PIPELINES**  
 GS **PIPELINES**  
 . SEWERS  
 RT CROSSINGS  
 ∞ LINES  
 MATERIALS HANDLING  
 PIPES (TUBES)  
 PUMPS  
 SIPHONS  
 STEAM FLOW  
 ∞ STORAGE  
 STORAGE TANKS  
 TRANSPORTATION  
 WASTE DISPOSAL  
 WATER HAMMER

**PIPELINING (COMPUTERS)**  
 GS DATA PROCESSING  
 . **PIPELINING (COMPUTERS)**  
 RT ASSOCIATIVE PROCESSING  
 (COMPUTERS)  
 DATA PROCESSING EQUIPMENT  
 MULTIPROCESSING (COMPUTERS)  
 MULTIPROGRAMMING  
 PARALLEL PROGRAMMING  
 TIME SHARING

**PIPER AIRCRAFT**  
 GS LIGHT AIRCRAFT  
 . **PIPER AIRCRAFT**  
 . . PA-34 SENECA AIRCRAFT  
 RT ∞ AIRCRAFT  
 GENERAL AVIATION AIRCRAFT

**PIPERIDINE**  
 GS BASES (CHEMICAL)  
 . **PIPERIDINE**  
 . ORGANIC COMPOUNDS  
 . CYCLIC COMPOUNDS  
 . . HETEROCYCLIC COMPOUNDS  
 . . . **PIPERIDINE**  
 RT PYRIDINES

**PIPES (TUBES)**  
 UF TUBING  
 GS **PIPES (TUBES)**  
 . GAS PIPES  
 . U BENDS  
 RT ∞ CASING  
 CIRCULAR TUBES  
 DUCTS  
 FLUID FLOW  
 ∞ HEADERS  
 HOSES  
 ∞ HYDRAULICS  
 MANIFOLDS  
 PIPE FLOW  
 PIPELINES  
 RISERS  
 SIPHONS  
 SYRINGES  
 ∞ TUBES

**PIPETTES**  
 RT BURETTES  
 GLASSWARE  
 LABORATORY EQUIPMENT

**PIRANI GAGES**  
 GS MEASURING INSTRUMENTS  
 . PRESSURE GAGES  
 . . VACUUM GAGES  
 . . . **PIRANI GAGES**  
 . . . VACUUM APPARATUS  
 . . . VACUUM GAGES  
 . . . **PIRANI GAGES**  
 RT HOT-WIRE FLOWMETERS  
 IONIZATION GAGES  
 KNUDSEN GAGES  
 MCLEOD GAGES  
 PRESSURE MEASUREMENT

**PISTON ENGINES**  
 UF RECIPROCATING ENGINES  
 GS ENGINES  
 . **PISTON ENGINES**  
 . . DIESEL ENGINES  
 . . FREE-PISTON ENGINES  
 . . . STIRLING ENGINES  
 RT AIRCRAFT ENGINES  
 AUTOMOBILE ENGINES  
 EXTERNAL COMBUSTION ENGINES  
 FUEL INJECTION  
 INTERNAL COMBUSTION ENGINES  
 PISTONS  
 RECIPROCATION  
 ROTARY ENGINES  
 WANKEL ENGINES

**PISTON THEORY**  
 RT COMPRESSING  
 FLUID DYNAMICS  
 PISTONS  
 ∞ THEORIES

**PISTONS**  
 GS **PISTONS**  
 . MAGNETIC PISTONS  
 COMBUSTION CHAMBERS  
 ENGINE PARTS  
 FREE-PISTON ENGINES  
 INTERNAL COMBUSTION ENGINES  
 PISTON ENGINES  
 PISTON THEORY  
 PLUNGERS  
 RECIPROCATION

∞ **PITCH**  
 SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 UF TONE  
 RT FREQUENCIES  
 PITCH (INCLINATION)  
 PITCH (MATERIAL)

**PITCH (INCLINATION)**  
 UF DAMPING IN PITCH  
 PHUGOID OSCILLATIONS  
 PITCH ANGLES  
 GS ATTITUDE (INCLINATION)  
 . **PITCH (INCLINATION)**  
 RT ANGLES (GEOMETRY)  
 HEAVING  
 LONGITUDINAL CONTROL  
 LONGITUDINAL STABILITY  
 ∞ MOTION  
 ∞ PITCH  
 ROLL  
 ROTATION  
 SLOPES  
 STABILITY AUGMENTATION  
 VARIABLE PITCH PROPELLERS  
 YAW

**PITCH (MATERIAL)**  
 RT ASPHALT  
 OILS  
 ∞ PITCH  
 TARS

**PITCH ANGLES**  
 USE PITCH (INCLINATION)

**PITCH ATTITUDE CONTROL**  
 USE LONGITUDINAL CONTROL

**PITCHING MOMENTS**  
 GS MOMENTS  
 . STABILITY DERIVATIVES  
 . . **PITCHING MOMENTS**  
 RT AERODYNAMIC COEFFICIENTS  
 LONGITUDINAL STABILITY  
 MOMENTS OF INERTIA  
 ROLLING MOMENTS  
 TORQUE  
 YAWING MOMENTS

**PITOT TUBES**  
 UF PRESTON TUBES  
 RT FLOW MEASUREMENT  
 FLOWMETERS  
 PRESSURE MEASUREMENT  
 PROTUBERANCES  
 SPEED INDICATORS  
 STATIC PRESSURE  
 ∞ TUBES  
 VELOCITY MEASUREMENT  
 VENTURI TUBES

∞ **PITS**  
 SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT PITS (EXCAVATIONS)  
 PITTING

**PITS (EXCAVATIONS)**  
 RT BOREHOLES  
 EXCAVATION  
 MINES (EXCAVATIONS)  
 ∞ PITS  
 SUMPS

**PITTING**  
 RT CHEMICAL ATTACK  
 CHIPPING  
 CORROSION  
 CORROSION RESISTANCE  
 CORROSION TESTS  
 DEGRADATION  
 EROSION  
 EROSION BURNING  
 ETCHING  
 HOT CORROSION  
 METAL-WATER REACTIONS  
 ∞ PITS  
 SCORING

**PITUITARY GLAND**  
 UF HYPOPHYSIS  
 GS ANATOMY  
 . GLANDS (ANATOMY)  
 . . ENDOCRINE GLANDS  
 . . . **PITUITARY GLAND**  
 RT BRAIN  
 HYPOTHALAMUS

**PITUITARY HORMONES**  
 GS SECRETIONS



## PIVOTED WING AIRCRAFT

### PITUITARY HORMONES-(CONT.)

- . ENDOCRINE SECRETIONS
- . . . HORMONES
- . . . . **PITUITARY HORMONES**
- . . . . . ADRENOCORTICOTROPIN (ACTH)

### PIVOTED WING AIRCRAFT

- USE TILT WING AIRCRAFT

### PIVOTS

- UF TROCHOIDS
- RT BEARINGS
- GIMBALS
- HINGES
- PINTLES
- SHAFTS (MACHINE ELEMENTS)
- SUPPORTS
- SWIVELS

### PIX

- USE PLASMA INTERACTION EXPERIMENT

### PIXELS

- UF PICTURE ELEMENTS
- GS IMAGERY
- . **PIXELS**
- RT AERIAL PHOTOGRAPHY
- ELECTROPHOTOMETRY
- IMAGING TECHNIQUES
- PHOTOGRAPHS
- PHOTOGRAPHY
- REMOTE SENSING
- SATELLITE IMAGERY
- VIDICONS

### PL/1

- GS LANGUAGES
- . PROGRAMMING LANGUAGES
- . . **PL/1**
- RT COBOL
- COMPILERS
- COMPUTER PROGRAMMING
- FORTRAN
- MACHINE ORIENTED LANGUAGES

### PLAGES (FACULAE)

- USE FACULAE

### PLAINS

- GS LAND
- . **PLAINS**
- . . COASTAL PLAINS
- . . . FLOOD PLAINS
- . . . LLANOS ORIENTALES (COLOMBIA)
- . . . PAMPAS
- . . . PENEPLAINS
- . . . PLAYAS
- . . . TUNDRA
- RT FARMLANDS
- FLATS (LANDFORMS)
- GEOGRAPHY
- GRASSLANDS
- GREAT PLAINS CORRIDOR (NORTH AMERICA)
- LANDFORMS
- PLATEAUS
- STEPPES
- TOPOGRAPHY
- WILDERNESS

### PLAN POSITION INDICATORS

- UF PPI (POSITION INDICATORS)
- GS DISPLAY DEVICES
- . POSITION INDICATORS
- . . **PLAN POSITION INDICATORS**
- . . . RADARSCOPES
- . . . **PLAN POSITION INDICATORS**
- . . . MEASURING INSTRUMENTS
- . . . INDICATING INSTRUMENTS
- . . . POSITION INDICATORS
- . . . **PLAN POSITION INDICATORS**
- . . . RADAR EQUIPMENT
- . . . RADARSCOPES
- . . . **PLAN POSITION INDICATORS**

### PLANAR STRUCTURES

- RT FLAT LAYERS
- FLAT PLATES
- FLAT SURFACES
- FLATNESS
- ∞ STRUCTURES
- SURFACE PROPERTIES

### PLANCKS CONSTANT

- GS CONSTANTS
- . **PLANCKS CONSTANT**
- RT BLACK BODY RADIATION
- DE BROGLIE WAVELENGTHS
- ELECTROMAGNETIC RADIATION
- NUCLEAR MAGNETIC RESONANCE
- PHOTONS
- QUANTUM THEORY
- THERMAL RADIATION
- WENTZEL-KRAMER-BRILLOUIN METHOD

### PLANE STRAIN

- RT CRACK PROPAGATION
- ELASTIC DEFORMATION
- FRACTURE MECHANICS
- PLANE STRESS
- PLASTIC DEFORMATION
- STRESS INTENSITY FACTORS
- STRESS-STRAIN RELATIONSHIPS

### PLANE STRESS

- GS STRESSES
- . **PLANE STRESS**
- RT LOADS (FORCES)
- PLANE STRAIN
- STRESS CONCENTRATION

### PLANE WAVES

- GS LONGITUDINAL WAVES
- . **PLANE WAVES**
- RT BEAMS (RADIATION)
- CYLINDRICAL WAVES
- ELASTIC WAVES
- NORMAL SHOCK WAVES
- ∞ RADIATION
- SHOCK WAVES
- SOLITARY WAVES
- SOUND WAVES
- SPATIAL FILTERING
- SPHERICAL WAVES
- TRANSVERSE WAVES
- TRAVELING WAVES
- ∞ WAVES

### PLANET EPHEMERIDES

- GS EPHEMERIDES
- . **PLANET EPHEMERIDES**
- RT GEOCENTRIC COORDINATES
- PLANETS

### PLANET ORIGINS

- USE PLANETARY EVOLUTION

### PLANETARIUMS

- RT ASTRONOMICAL MODELS
- DISPLAY DEVICES

### PLANETARY ATMOSPHERES

- SN (EXCLUDES EARTH ATMOSPHERE)
- GS ENVIRONMENTS
- . EXTRATERRESTRIAL ENVIRONMENTS
- . . PLANETARY ENVIRONMENTS
- . . . **PLANETARY ATMOSPHERES**
- . . . . HELIUM HYDROGEN
- . . . . . ATMOSPHERES
- . . . . . JUPITER ATMOSPHERE
- . . . . . MARS ATMOSPHERE
- . . . . . MERCURY ATMOSPHERE
- . . . . . NEPTUNE ATMOSPHERE
- . . . . . PLANETARY IONOSPHERES
- . . . . . PLUTO ATMOSPHERE
- . . . . . SATURN ATMOSPHERE
- . . . . . URANUS ATMOSPHERE
- . . . . . VENUS ATMOSPHERE
- . . . . . VENUS CLOUDS
- RT ∞ ABSORPTION
- ∞ ATMOSPHERES
- ATMOSPHERIC ATTENUATION
- ATMOSPHERIC COMPOSITION
- ATMOSPHERIC DENSITY
- ATMOSPHERIC TEMPERATURE
- EARTH ATMOSPHERE
- IONOPAUSE
- LUNAR ATMOSPHERE
- NONGRAY ATMOSPHERES
- ORGANIC SOLIDS
- PLANETARY METEOROLOGY
- PLANETARY RINGS
- PRIMITIVE EARTH ATMOSPHERE
- RADIATIVE TRANSFER
- RADIO OCCULTATION
- SATELLITE ATMOSPHERES
- SATURN RINGS
- SOLAR PLANETARY INTERACTIONS

### PLANETARY BASES

- RT EXTRATERRESTRIAL RESOURCES
- SPACE EXPLORATION
- STATIONS

### PLANETARY BOUNDARY LAYER

- GS BOUNDARY LAYERS
- . **PLANETARY BOUNDARY LAYER**
- RT ATMOSPHERIC BOUNDARY LAYER

### PLANETARY COMPOSITION

- GS COMPOSITION (PROPERTY)
- . **PLANETARY COMPOSITION**
- RT EARTH PLANETARY STRUCTURE
- GAS GIANT PLANETS
- JUPITER RINGS
- SATURN RINGS
- SPACE EXPLORATION
- STRUCTURAL PROPERTIES (GEOLOGY)

### PLANETARY CORES

- GS CORES
- . **PLANETARY CORES**
- . . EARTH CORE
- RT LUNAR CORE
- PLANETS
- STELLAR CORES

### PLANETARY CRATERS

- GS CRATERS
- . **PLANETARY CRATERS**
- . . MARS CRATERS
- RT EARTH (PLANET)
- IMPACT DAMAGE
- MARS (PLANET)
- MARS SURFACE
- MERCURY (PLANET)
- MERCURY SURFACE
- METEORITE CRATERS
- PLANETARY GEOLOGY
- PLANETS
- VENUS (PLANET)
- VENUS SURFACE

### PLANETARY CRUSTS

- GS CRUSTS
- . **PLANETARY CRUSTS**
- . . EARTH CRUST
- RT LUNAR CRUST
- PLANETARY GEOLOGY
- PLANETARY MANTLES

### PLANETARY ENTRY

- USE ATMOSPHERIC ENTRY

### PLANETARY ENVIRONMENTS

- SN (EXCLUDES EARTH)
- GS ENVIRONMENTS
- . EXTRATERRESTRIAL ENVIRONMENTS
- . . **PLANETARY ENVIRONMENTS**
- . . . MARS ENVIRONMENT
- . . . . MARS ATMOSPHERE
- . . . . PLANETARY ATMOSPHERES
- . . . . . HELIUM HYDROGEN
- . . . . . ATMOSPHERES
- . . . . . JUPITER ATMOSPHERE
- . . . . . MARS ATMOSPHERE
- . . . . . MERCURY ATMOSPHERE
- . . . . . NEPTUNE ATMOSPHERE
- . . . . . PLANETARY IONOSPHERES
- . . . . . PLUTO ATMOSPHERE
- . . . . . SATURN ATMOSPHERE
- . . . . . URANUS ATMOSPHERE
- . . . . . VENUS ATMOSPHERE
- . . . . . VENUS CLOUDS
- . . . . . PLANETARY MAGNETOSPHERES
- RT AEROSPACE ENVIRONMENTS
- BIOASTRONAUTICS
- EXOBIOLGY
- LIFE SUPPORT SYSTEMS
- LONG DURATION SPACE FLIGHT
- LUNAR ENVIRONMENT
- PLANETS
- PROTOPLANETS
- TERRESTRIAL PLANETS
- THERMAL ENVIRONMENTS

### PLANETARY EVOLUTION

- UF PLANET ORIGINS
- GS EVOLUTION (DEVELOPMENT)
- . **PLANETARY EVOLUTION**
- RT COSMOLOGY
- PLANETARY GEOLOGY
- PROTOPLANETS
- STELLAR EVOLUTION

**PLANETARY EXPLORATION**  
USE SPACE EXPLORATION

**PLANETARY EXPLORER**  
USE OUTER PLANETS EXPLORERS

**PLANETARY GEOLOGY**  
GS **PLANETARY GEOLOGY**  
. MARS VOLCANOES  
RT LUNAR GEOLOGY  
. PLANETARY CRATERS  
. PLANETARY CRUSTS  
. PLANETARY EVOLUTION  
. PLANETARY STRUCTURE  
. PLANETARY SURFACES  
. PLANETOLOGY  
. PLANETS  
. REMOTE SENSING  
. SOLAR SYSTEM  
. SPACE EXPLORATION

**PLANETARY GRAVITATION**  
GS GRAVITATION  
. **PLANETARY GRAVITATION**  
RT ESCAPE VELOCITY  
LUNAR GRAVITATION

**PLANETARY IONOSPHERES**  
SN (EXCLUDES EARTH IONOSPHERE)  
GS ENVIRONMENTS  
. EXTRATERRESTRIAL ENVIRONMENTS  
. . . PLANETARY ENVIRONMENTS  
. . . . PLANETARY ATMOSPHERES  
. . . . . **PLANETARY IONOSPHERES**  
RT  $\infty$  ATMOSPHERES  
 $\infty$  IONOSPHERES  
JUPITER ATMOSPHERE  
MAGNETOSPHERE-IONOSPHERE  
COUPLING  
MARS ATMOSPHERE  
NEPTUNE ATMOSPHERE  
SATURN ATMOSPHERE  
URANUS ATMOSPHERE  
VENUS ATMOSPHERE

**PLANETARY LANDING**  
SN (EXCLUDES LANDING ON THE PLANET  
EARTH)  
GS LANDING  
. SPACECRAFT LANDING  
. . **PLANETARY LANDING**  
RT CRASH LANDING  
GLIDE LANDINGS  
HARD LANDING  
HORIZONTAL SPACECRAFT LANDING  
INTERPLANETARY FLIGHT  
LUNAR LANDING  
MARS LANDING  
ORBITAL MECHANICS  
ROVING VEHICLES  
SOFT LANDING  
WATER LANDING

**PLANETARY LIMB**  
RT EARTH LIMB  
 $\infty$  LIMBS  
LUNAR LIMB  
SOLAR LIMB

**PLANETARY MAGNETIC FIELDS**  
GS MAGNETIC FIELDS  
. **PLANETARY MAGNETIC FIELDS**  
RT GEOMAGNETIC TAIL  
GEOMAGNETISM  
PLANETARY MAGNETOSPHERES  
POLAR CUSPS  
SOLAR PLANETARY INTERACTIONS

**PLANETARY MAGNETOSPHERES**  
GS ENVIRONMENTS  
. EXTRATERRESTRIAL ENVIRONMENTS  
. . . PLANETARY ENVIRONMENTS  
. . . . **PLANETARY MAGNETOSPHERES**  
RT EARTH MAGNETOSPHERE  
 $\infty$  MAGNETOSPHERES  
PLANETARY MAGNETIC FIELDS  
SOLAR PLANETARY INTERACTIONS

**PLANETARY MANTLES**  
GS **PLANETARY MANTLES**  
. EARTH MANTLE  
RT CRUSTS  
LITHOSPHERE  
LUNAR MANTLE

**PLANETARY MANTLES-(CONT.)**  
PLANETARY CRUSTS

**PLANETARY MAPPING**  
GS MAPPING  
. **PLANETARY MAPPING**  
RT ASTROGRAPHY  
HEAT CAPACITY MAPPING MISSION  
THERMAL MAPPING

**PLANETARY MASS**  
GS MASS  
. **PLANETARY MASS**  
RT PROTOPLANETS

**PLANETARY METEOROLOGY**  
GS METEOROLOGY  
. **PLANETARY METEOROLOGY**  
RT ATMOSPHERIC CIRCULATION  
ATMOSPHERIC PHYSICS  
JUPITER ATMOSPHERE  
MARS ATMOSPHERE  
MERCURY ATMOSPHERE  
PLANETARY ATMOSPHERES  
PLANETOLOGY  
PLANETS  
VENUS ATMOSPHERE

**PLANETARY MOTION**  
USE SOLAR ORBITS

**PLANETARY NEBULAE**  
GS CELESTIAL BODIES  
. NEBULAE  
. . **PLANETARY NEBULAE**  
RT ORION NEBULA

**PLANETARY ORBITS**  
GS ORBITS  
. **PLANETARY ORBITS**  
RT AMOR ASTEROID  
APOLLO ASTEROIDS  
CHARON  
CIRCULAR ORBITS  
EARTH ORBITS  
ELLIPTICAL ORBITS  
EQUATORIAL ORBITS  
INTERPLANETARY TRAJECTORIES  
ORBITAL RESONANCES (CELESTIAL  
MECHANICS)  
PARKING ORBITS  
POLAR ORBITS  
SATELLITE ORBITS  
SPACECRAFT ORBITS  
SWINGBY TECHNIQUE  
TRANSFER ORBITS  
TWENTY-FOUR HOUR ORBITS  
VIKING ORBITER SPACECRAFT

**PLANETARY QUAKES**  
RT EARTHQUAKES  
GEODYNAMICS  
MOONQUAKES  
SEISMIC WAVES  
SHOCK WAVES

**PLANETARY QUARANTINE**  
RT SPACECRAFT STERILIZATION

**PLANETARY RADIATION**  
SN (EXCLUDES TERRESTRIAL RADIATION)  
GS ELECTROMAGNETIC RADIATION  
. **PLANETARY RADIATION**  
. EXTRATERRESTRIAL RADIATION  
. . **PLANETARY RADIATION**  
RT ALBEDO  
DECIMETER WAVES  
INFRARED RADIATION  
LIGHT (VISIBLE RADIATION)  
 $\infty$  RADIATION  
RADIO WAVES  
SATURN ATMOSPHERE  
TERRESTRIAL RADIATION  
THERMAL RADIATION  
VLF EMISSION RECORDERS

**PLANETARY RINGS**  
GS CELESTIAL BODIES  
. **PLANETARY RINGS**  
. . JUPITER RINGS  
. . . SATURN RINGS  
. . . . URANUS RINGS  
RT PLANETARY ATMOSPHERES  
PLANETS

## PLANETOCENTRIC COORDINATES

**PLANETARY RINGS-(CONT.)**  
 $\infty$  RINGS

**PLANETARY ROTATION**  
GS GYRATION  
. ROTATION  
. . **PLANETARY ROTATION**  
RT ASTROPHYSICS  
PLANETOLOGY  
ROTATING BODIES  
STELLAR ROTATION

**PLANETARY SATELLITES**  
USE NATURAL SATELLITES

**PLANETARY SPACE FLIGHT**  
USE INTERPLANETARY FLIGHT

**PLANETARY SPACECRAFT**  
USE INTERPLANETARY SPACECRAFT

**PLANETARY STRUCTURE**  
RT CHEMICAL COMPOSITION  
EARTH PLANETARY STRUCTURE  
JUPITER RINGS  
LUNAR MANTLE  
PLANETARY GEOLOGY  
PLANETOLOGY  
URANUS RINGS

**PLANETARY SURFACES**  
GS **PLANETARY SURFACES**  
. MARS SURFACE  
. MERCURY SURFACE  
. VENUS SURFACE  
RT EARTH SURFACE  
JUPITER RED SPOT  
PLANETARY GEOLOGY  
ROVING VEHICLES  
SATURN RINGS  
SURFACE PROPERTIES  
 $\infty$  SURFACES  
TOPOGRAPHY

**PLANETARY SYSTEMS**  
GS **PLANETARY SYSTEMS**  
. SOLAR SYSTEM  
RT EXTRASOLAR PLANETS  
ORBITAL RESONANCES (CELESTIAL  
MECHANICS)  
 $\infty$  SYSTEMS

**PLANETARY TEMPERATURE**  
GS TEMPERATURE  
. **PLANETARY TEMPERATURE**  
RT ATMOSPHERIC TEMPERATURE  
SATURN RINGS

**PLANETARY WAVES**  
UF LONG WAVES (METEOROLOGY)  
ROSSBY WAVES  
GS BAROTROPISM  
. **PLANETARY WAVES**  
INTERNAL WAVES  
. **PLANETARY WAVES**  
TROPOSPHERIC WAVES  
. **PLANETARY WAVES**  
RT ATMOSPHERIC CIRCULATION  
BAROTROPIC FLOW  
CORIOLIS EFFECT  
FLUID FLOW  
GRAVITY WAVES  
ROSSBY REGIMES  
ROTATING FLUIDS  
ROTATING LIQUIDS  
VORTICES  
 $\infty$  WAVES  
ZONAL FLOW (METEOROLOGY)

**PLANETESIMALS**  
USE PROTOPLANETS

**PLANETISIMALS**  
USE PROTOPLANETS

**PLANETOCENTRIC COORDINATES**  
GS COORDINATES  
. **PLANETOCENTRIC COORDINATES**  
. . . GEOCENTRIC COORDINATES  
RT ASTRONOMICAL COORDINATES  
CELESTIAL REFERENCE SYSTEMS  
SPHERICAL COORDINATES

## PLANETOLOGY

### PLANETOLOGY

RT JUPITER RINGS  
PLANETARY GEOLOGY  
PLANETARY METEOROLOGY  
PLANETARY ROTATION  
PLANETARY STRUCTURE  
SATURN RINGS  
TERRESTRIAL PLANETS

### PLANETS

GS CELESTIAL BODIES  
PLANETS  
EXTRASOLAR PLANETS  
GAS GIANT PLANETS  
JUPITER (PLANET)  
NEPTUNE (PLANET)  
SATURN (PLANET)  
URANUS (PLANET)  
PLUTO (PLANET)  
TERRESTRIAL PLANETS  
EARTH (PLANET)  
MARS (PLANET)  
MERCURY (PLANET)  
VENUS (PLANET)  
RT CELESTIAL MECHANICS  
CHIRON  
ECLIPTIC  
JUPITER RED SPOT  
NATURAL SATELLITES  
PLANET EPHEMERIDES  
PLANETARY CORES  
PLANETARY CRATERS  
PLANETARY ENVIRONMENTS  
PLANETARY GEOLOGY  
PLANETARY METEOROLOGY  
PLANETARY RINGS  
PROTOPLANETS  
SATURN RINGS  
SOLAR SYSTEM  
SUN

### PLANFORMS

GS PLANFORMS  
CARET WINGS  
RECTANGULAR PLANFORMS  
RECTANGULAR PANELS  
RECTANGULAR PLATES  
RECTANGULAR WINGS  
SWEEPBACK TAIL SURFACES  
TRAPEZOIDAL TAIL SURFACES  
WING PLANFORMS  
CHANNEL WINGS  
INFINITE SPAN WINGS  
SWEEP FORWARD WINGS  
TRAPEZOIDAL WINGS  
SWEEPBACK WINGS  
ARROW WINGS  
DELTA WINGS  
TRAPEZOIDAL WINGS  
VARIABLE SWEEP WINGS  
RT ∞ BODIES  
∞ CROSS SECTIONS  
GEOMETRY  
∞ PROFILES  
SHAPES  
∞ SURFACE GEOMETRY

### PLANIGRAPHY

USE TOMOGRAPHY

### PLANING

SN (EXCLUDES MOTION INVOLVING  
DYNAMIC SUPPORTING FORCES)  
GS CUTTING  
PLANING  
RT GRINDING (MATERIAL REMOVAL)  
MACHINING  
METAL CUTTING  
MILLING (MACHINING)  
SLICING  
SMOOTHING

### PLANISPHERES

GS MAPS  
ASTRONOMICAL MAPS  
PLANISPHERES  
RT ASTRONOMICAL COORDINATES  
CELESTIAL SPHERE  
CONSTELLATIONS  
POLAR COORDINATES

### PLANKTON

UF PLANKTON BLOOM  
GS PLANKTON  
PHYTOPLANKTON

### PLANKTON-(CONT.)

RT ZOOPLANKTON  
ALGAE  
ANIMALS  
PLANTS (BOTANY)  
RED TIDE  
THERMAL POLLUTION

### PLANKTON BLOOM

USE PLANKTON

### PLANNING

GS PLANNING  
AIRPORT PLANNING  
MANAGEMENT PLANNING  
PRODUCTION PLANNING  
PROJECT PLANNING  
MISSION PLANNING  
REGIONAL PLANNING  
URBAN PLANNING  
RT BUDGETING  
CRITICAL PATH METHOD  
DELPHI METHOD (FORECASTING)  
∞ DESIGN  
FORECASTING  
∞ MISSIONS  
OPTIMIZATION  
PATTERN METHOD (FORECASTING)  
PROBE METHOD (FORECASTING)  
PRODUCTION ENGINEERING  
PROFILE METHOD (FORECASTING)  
PROGRESS  
SEQUENCING  
SLICING  
STARSITE PROGRAM  
TRAINING ANALYSIS  
URBAN DEVELOPMENT

### PLANOTRONS

UF AMPLITRONS (TRADEMARK)  
GS AMPLIFIERS  
MICROWAVE AMPLIFIERS  
PLANOTRONS  
ELECTRON TUBES  
VACUUM TUBES  
MICROWAVE TUBES  
PLANOTRONS  
MICROWAVE EQUIPMENT  
MICROWAVE AMPLIFIERS  
PLANOTRONS  
MICROWAVE TUBES  
RT CAMERA TUBES  
ELECTRIC ARCS  
MAGNETRONS

### ∞ PLANS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT DRAWINGS  
FLIGHT PLANS  
LAYOUTS  
MISSION PLANNING  
PAYLOAD INTEGRATION PLAN  
URBAN DEVELOPMENT

### PLANT DESIGN

SN (EXCLUDES BIOLOGICAL PLANTS)  
RT ARCHITECTURE  
∞ DESIGN  
STRUCTURAL DESIGN

### PLANT DISEASES

UF DISEASED VEGETATION  
GS PLANT DISEASES  
BLIGHT  
RT AGRICULTURE  
CROP GROWTH  
CROP IDENTIFICATION  
CROP VIGOR  
DISEASES  
FUNGI  
PLANT STRESS  
PLANTS (BOTANY)  
RUST FUNGI

### PLANT ROOTS

RT BULBS  
PLANTS (BOTANY)  
∞ ROOTS  
VEGETATION GROWTH

### PLANT STRESS

RT AERIAL PHOTOGRAPHY

### PLANT STRESS-(CONT.)

AGRICULTURE  
CROP GROWTH  
CROP VIGOR  
EARTH RESOURCES PROGRAM  
PLANT DISEASES  
REMOTE SENSING  
SOIL MOISTURE  
SPECTRAL REFLECTANCE  
VEGETATION GROWTH

### PLANTAR TISSUES

GS TISSUES (BIOLOGY)  
PLANTAR TISSUES

### PLANTING

RT AGRICULTURE  
∞ CROPS  
CULTIVATION  
FARM CROPS  
FARMLANDS  
FERTILIZERS  
PLANTS (BOTANY)  
PLOWING  
PLOWS  
SEEDS  
SILVICULTURE  
SOILS  
TRACTORS  
VEGETABLES

### PLANTS (BOTANY)

UF FLORA  
GS PLANTS (BOTANY)  
ALFALFA  
ALGAE  
BLUE GREEN ALGAE  
ANABAENA  
MICROCYSTIS  
NOSTOC  
CHLORELLA  
DUNALIELLA  
PORPHYRA  
SCENEDESMUS  
AQUATIC PLANTS  
PHYTOPLANKTON  
BARLEY  
BRUSH (BOTANY)  
CHAPARRAL  
BRYOPHYTES  
CORN  
COTTON  
FUNGI  
ASPERGILLUS  
COCCOMYCES  
GIBBERELLINS  
NEUROSPORA  
RHIZOPUS  
RUST FUNGI  
SACCHAROMYCES  
YEAST  
GRASSES  
HAY  
REEDS (PLANTS)  
SEA GRASSES  
SORGHUM  
GUAYULE  
LEGUMINOUS PLANTS  
SOYBEANS  
LICHENS  
MILLET  
NIGELLA  
OATS  
PHOTOPHILIC PLANTS  
PHREATOPHYTES  
POTATOES  
RICE  
SAPROPHYTES  
SPINACH  
SUGAR BEETS  
SUGAR CANE  
SUNFLOWERS  
THERMOPHILIC PLANTS  
BLUE GREEN ALGAE  
NOSTOC  
TOBACCO  
TRADESCANTIA  
TRAGACANTH  
TREES (PLANTS)  
CITRUS TREES  
CONIFERS  
DECIDUOUS TREES  
RT AGRICULTURE  
ANGIOSPERMS  
ANIMALS

## PLASMA DENSITY

### PLANTS (BOTANY)-(CONT.)

BIOCHEMICAL OXYGEN DEMAND  
BIOGEOCHEMISTRY  
BIOMASS  
BLIGHT  
BOTANY  
CANOPIES (VEGETATION)  
CARBON CYCLE  
CHLOROPHYLLS  
CORTEXES (BOTANY)  
CROP GROWTH  
CROP VIGOR  
DEFOLIANTS  
DEFOLIATION  
EARTH RESOURCES  
ENVIRONMENTS  
FARM CROPS  
FOLIAGE  
FOOD CHAIN  
FORESTS  
FROST DAMAGE  
GEOBOTANY  
GEOTROPISM  
GRAVITROPISM  
GREENHOUSES  
HALOPHILES  
HERBICIDES  
HETEROTROPHS  
HYDROPONICS  
INFESTATION  
LACUNAS  
LEAVES  
MICROORGANISMS  
MICROSPORES  
MITRA  
ORCHARDS  
ORGANISMS  
PETALS  
PHOTOTROPISM  
PHYTOTRONS  
PLANKTON  
PLANT DISEASES  
PLANT ROOTS  
PLANTING  
PLOWING  
POLLEN  
RAIN FORESTS  
SEEDS  
SPORES  
STEMS  
UTRICLE  
VEGETATION  
VIABILITY  
VINEYARDS  
WOOD

### PLANTS (INDUSTRIES)

USE INDUSTRIAL PLANTS

### PLASMA ACCELERATION

UF MAGNETOHYDRODYNAMIC  
ACCELERATION  
GS RATES (PER TIME)  
. ACCELERATION (PHYSICS)  
. **PLASMA ACCELERATION**  
RT  $\infty$  ACCELERATION  
PARTICLE ACCELERATION  
PLASMAS (PHYSICS)  
WAVE PROPAGATION

### PLASMA ACCELERATORS

GS **PLASMA ACCELERATORS**  
. ALPHA PLASMA DEVICES  
. COAXIAL PLASMA ACCELERATORS  
. CYCLOPS PLASMA ACCELERATOR  
RT  $\infty$  ACCELERATORS  
ELECTROMAGNETIC ACCELERATION  
ION INJECTION  
MAGNETIC ANNULAR ARC  
MAGNETOHYDRODYNAMIC GENERATORS  
PLASMAS (PHYSICS)

### PLASMA ANTENNAS

GS ANTENNAS  
. **PLASMA ANTENNAS**  
RT ANTENNA DESIGN  
ANTENNA RADIATION PATTERNS  
PLASMA CYLINDERS  
SATELLITE COMMUNICATION  
SPACECRAFT COMMUNICATION

### PLASMA ARC CUTTING

RT METAL CUTTING  
METAL WORKING  
PLASMA ARC WELDING

### PLASMA ARC CUTTING-(CONT.)

PLASMA TORCHES  
PLASMAS (PHYSICS)

### PLASMA ARC SPRAYING

USE ARC SPRAYING

### PLASMA ARC WELDING

GS WELDING  
. ELECTRIC WELDING  
. ARC WELDING  
. **PLASMA ARC WELDING**  
RT PLASMA ARC CUTTING  
PLASMA TORCHES  
PLASMAS (PHYSICS)

### PLASMA ARCS

USE PLASMA JETS

### PLASMA BUBBLES

RT F REGION  
PLASMA DENSITY

### PLASMA CHEMISTRY

RT  $\infty$  CHEMISTRY  
NUCLEAR CHEMISTRY  
PLASMAS (PHYSICS)

### PLASMA CLOUDS

GS PARTICLES  
. CHARGED PARTICLES  
. **PLASMA CLOUDS**  
. MAGNETIC CLOUDS  
RT CHEMICAL CLOUDS  
 $\infty$  CLOUDS  
COSMIC PLASMA  
EARTH MAGNETOSPHERE  
GEOMAGNETIC HOLLOW  
HYDROGEN CLOUDS  
INTERPLANETARY MEDIUM  
ION SHEATHS  
PLASMAPAUSE  
PLASMAS (PHYSICS)

### PLASMA COMPOSITION

GS COMPOSITION (PROPERTY)  
. **PLASMA COMPOSITION**  
RT ATOM CONCENTRATION  
GAS COMPOSITION  
ION MOTION  
IONOSPHERIC COMPOSITION  
NONEQUILIBRIUM PLASMAS  
NONUNIFORM PLASMAS  
PLASMAS (PHYSICS)  
THOMAS-FERMI MODEL  
URANIUM PLASMAS

### PLASMA COMPRESSION

GS COMPRESSION  
. **PLASMA COMPRESSION**  
RT CONTROLLED FUSION  
DENSE PLASMAS  
INERTIAL FUSION (REACTOR)  
MAGNETIC EFFECTS  
MAGNETIC FIELD CONFIGURATIONS  
PINCH EFFECT  
PLASMA FOCUS  
PLASMA PRESSURE  
PLASMAS (PHYSICS)  
STRONGLY COUPLED PLASMAS  
THETA PINCH  
TOKAMAK DEVICES  
ZETA PINCH

### PLASMA CONDUCTIVITY

GS ELECTRICAL PROPERTIES  
. ELECTRICAL RESISTIVITY  
. **PLASMA CONDUCTIVITY**  
TRANSPORT PROPERTIES  
. ELECTRICAL RESISTIVITY  
. **PLASMA CONDUCTIVITY**  
RT COLLISIONAL PLASMAS  
 $\infty$  CONDUCTIVITY  
IONOSPHERIC CONDUCTIVITY  
MAGNETOHYDRODYNAMIC STABILITY  
PLASMAS (PHYSICS)  
STRONGLY COUPLED PLASMAS

### PLASMA CONFINEMENT

USE PLASMA CONTROL

### PLASMA CONTROL

UF PLASMA CONFINEMENT  
RT BALLOONING MODES

### PLASMA CONTROL-(CONT.)

BETA FACTOR  
BUMPY TORUSES  
CONFINEMENT  
 $\infty$  CONTROL  
CROSSED FIELD GUNS  
CROSSED FIELDS  
ELECTRON-ION RECOMBINATION  
ELLIPTICAL PLASMAS  
HELICAL INDUCERS  
HELICAL WINDINGS  
LIMITERS (FUSION REACTORS)  
MAGNETIC ANNULAR ARC  
MAGNETIC COMPRESSION  
MAGNETIC FIELD CONFIGURATIONS  
MAGNETIC MIRRORS  
MAGNETICALLY TRAPPED PARTICLES  
MIRROR FUSION  
PINCH EFFECT  
PLASMAS (PHYSICS)  
REVERSE FIELD PINCH  
RIGID ROTORS (PLASMA PHYSICS)  
SCREW PINCH  
TANDEM MIRRORS  
THERMAL BARRIERS (PLASMA  
CONTROL)  
TOKAMAK DEVICES  
TOROIDAL PLASMAS  
TRANSFORMERS  
TRAP PROGRAM  
TRAPPED MAGNETIC FIELDS  
ZETA PINCH

### PLASMA COOLING

GS COOLING  
. **PLASMA COOLING**  
RT CONTROLLED FUSION  
MAGNETOHYDRODYNAMIC STABILITY  
PLASMAS (PHYSICS)  
TEMPERATURE CONTROL

### PLASMA CORE REACTORS

GS NUCLEAR REACTORS  
. **PLASMA CORE REACTORS**  
RT CRITICAL MASS  
NUCLEAR POWER PLANTS  
NUCLEAR RESEARCH  
PLASMAS (PHYSICS)  
RADIOACTIVE WASTES  
REACTOR CORES  
 $\infty$  REACTORS  
REFLECTORS  
WASTE DISPOSAL

### PLASMA CURRENTS

GS ELECTRIC CURRENT  
. **PLASMA CURRENTS**  
RT BEAM CURRENTS  
CONTROLLED FUSION  
EDDY CURRENTS  
ELECTRIC DISCHARGES  
ELECTRICAL RESISTIVITY  
HIGH CURRENT  
IONOSPHERIC CURRENTS  
LINE CURRENT  
LOW CURRENTS  
MAGNETOHYDRODYNAMICS  
PLASMA-PARTICLE INTERACTIONS  
PLASMAS (PHYSICS)  
RING CURRENTS  
SPHEROMAKS  
TOROIDAL PLASMAS

### PLASMA CYLINDERS

GS **PLASMA CYLINDERS**  
. CYLINDRICAL PLASMAS  
RT  $\infty$  CYLINDERS  
CYLINDRICAL BODIES  
CYLINDRICAL SHELLS  
PLASMA ANTENNAS  
PLASMA GUIDES  
PLASMAS (PHYSICS)

### PLASMA DECAY

GS DECAY  
. **PLASMA DECAY**  
RT AFTERGLOWS  
ELECTROMAGNETIC WAVE  
TRANSMISSION  
HELIUM AFTERGLOW  
MAGNETOHYDRODYNAMIC STABILITY  
PLASMAS (PHYSICS)

### PLASMA DENSITY

GS DENSITY (NUMBER/VOLUME)

## PLASMA DIAGNOSTICS

### PLASMA DENSITY-(CONT.)

- . PARTICLE DENSITY (CONCENTRATION)
- . . . **PLASMA DENSITY**
- RT ATMOSPHERIC DENSITY
- ATOM CONCENTRATION
- CAVITONS
- COLLISIONAL PLASMAS
- ELECTRON DENSITY (CONCENTRATION)
- ELECTRON-HOLE DROPS
- ION DENSITY (CONCENTRATION)
- MAGNETOPLASMA DYNAMICS
- MAGNETOSPHERIC ELECTRON DENSITY
- MAGNETOSPHERIC ION DENSITY
- MAGNETOSPHERIC PROTON DENSITY
- PLASMA BUBBLES
- PLASMA DRIFT
- PLASMA PRESSURE
- PLASMAS (PHYSICS)
- PROTON DENSITY (CONCENTRATION)
- SPACE DENSITY
- SPACE PLASMAS
- STRONGLY COUPLED PLASMAS

### PLASMA DIAGNOSTICS

- RT FABRY-PEROT INTERFEROMETERS
- MICROWAVE INTERFEROMETERS
- OPEN PROJECT
- PLASMAS (PHYSICS)
- RESONANCE PROBES
- SPACE PLASMAS

### PLASMA DIFFUSION

- UF PLASMA DISPERSION
- GS DIFFUSION
- . . . **PLASMA DIFFUSION**
- RT AMBIPOLAR DIFFUSION
- COLLOIDAL GENERATORS
- DIFFUSION WAVES
- ELECTRON DIFFUSION
- GASEOUS SELF-DIFFUSION
- ION MOTION
- IONIC DIFFUSION
- PLASMAS (PHYSICS)

### PLASMA DIODES

- GS ELECTRONIC EQUIPMENT
- . DIODES
- . . . **PLASMA DIODES**
- RT CESIUM DIODES
- PLASMAS (PHYSICS)

### PLASMA DISCHARGES

- USE PLASMA JETS

### PLASMA DISPERSION

- USE PLASMA DIFFUSION

### PLASMA DISPLAY DEVICES

- GS DISPLAY DEVICES
- . . . **PLASMA DISPLAY DEVICES**
- RT ∞ DEVICES
- GAS IONIZATION
- GLOW DISCHARGES
- LIGHT SOURCES
- PLASMAS (PHYSICS)

### PLASMA DRIFT

- RT MAGNETOHYDRODYNAMIC STABILITY
- PLASMA DENSITY
- PLASMA WAVES
- PLASMAS (PHYSICS)

### PLASMA DYNAMICS

- UF SNOWPLOW EFFECT
- RT ∞ DYNAMICS
- HYDRODYNAMIC EQUATIONS
- MAGNETOHYDRODYNAMICS
- PLASMAS (PHYSICS)

### PLASMA ELECTRODES

- GS ELECTRODES
- . . . **PLASMA ELECTRODES**
- RT HOT-WIRE FLOWMETERS
- PLASMA GUIDES
- PLASMATRONS
- ZETA PINCH

### PLASMA ENGINES

- GS PLASMA POWER SOURCES
- . . . **PLASMA ENGINES**
- . . . TWO STAGE PLASMA ENGINES
- RT ARC JET ENGINES
- COAXIAL PLASMA ACCELERATORS
- HIGH TEMPERATURE PROPELLANTS

### PLASMA ENGINES-(CONT.)

- ION ENGINES
- MERCURY ION ENGINES
- PLASMAS (PHYSICS)
- PULSED JET ENGINES
- RESISTOJET ENGINES
- RIT ENGINES

### PLASMA EQUILIBRIUM

- RT BALLOONING MODES
- BETA FACTOR
- CONFINEMENT
- ELECTRON-HOLE DROPS
- ∞ EQUILIBRIUM
- EQUILIBRIUM FLOW
- MAGNETIC MIRRORS
- MAGNETOHYDRODYNAMIC STABILITY
- PLASMAS (PHYSICS)
- STRONGLY COUPLED PLASMAS

### PLASMA ETCHING

- RT PLASMAS (PHYSICS)
- SPUTTERING

### PLASMA FLOW

- USE MAGNETOHYDRODYNAMIC FLOW

### PLASMA FLUX MEASUREMENT

- RT INTERFEROMETRY
- MAGNETOHYDRODYNAMIC FLOW
- MICROWAVE PLASMA PROBES
- PLASMAS (PHYSICS)
- ROTATING PLASMAS
- SPECKLE INTERFEROMETRY

### PLASMA FOCUS

- GS FOCI
- . . . **PLASMA FOCUS**
- PARTICLES
- . CHARGED PARTICLES
- . . . . . ENERGETIC PARTICLES
- . . . . . PLASMAS (PHYSICS)
- . . . . . DENSE PLASMAS
- . . . . . **PLASMA FOCUS**
- RT NUCLEAR FUSION
- PLASMA COMPRESSION
- STRONGLY COUPLED PLASMAS
- ZETA PINCH

### PLASMA FREQUENCIES

- GS FREQUENCIES
- . . . **PLASMA FREQUENCIES**
- RT ELECTRON DENSITY (CONCENTRATION)
- ELECTROSTATIC PROBES
- FREE ELECTRONS
- PLASMAS (PHYSICS)
- PLASMONS

### PLASMA GENERATION

- USE PLASMA GENERATORS

### PLASMA GENERATORS

- SN (EXCLUDES MAGNETOHYDRODYNAMIC OR THERMONUCLEAR GENERATORS OF ELECTRIC POWER)
- UF PLASMA GENERATION
- GS **PLASMA GENERATORS**
- . PLASMA GUNS
- . PLASMATRONS
- . . . DUOPLASMATRONS
- . . . SCYLLA
- . . . TOKAMAK DEVICES
- . . . JOINT EUROPEAN TORUS
- RT ARC CHAMBERS
- ARC GENERATORS
- CLOSED CYCLES
- COLLOIDAL GENERATORS
- ELECTRIC ARCS
- EXPLODING WIRES
- ∞ GENERATORS
- HALL GENERATORS
- HIGH TEMPERATURE RESEARCH
- ION INJECTION
- ION SOURCES
- MAGNETOHYDRODYNAMIC GENERATORS
- PENNING DISCHARGE
- PLASMAS (PHYSICS)
- PULSE GENERATORS
- THERMAL PLASMAS
- THERMONUCLEAR POWER GENERATION
- WIND TUNNEL DRIVES

### PLASMA GUNS

- GS PLASMA GENERATORS

### PLASMA GUNS-(CONT.)

- . . . **PLASMA GUNS**
- RT COAXIAL PLASMA ACCELERATORS
- CROSSED FIELD GUNS
- ELECTRON GUNS
- ∞ GUNS
- MAGNETIC LENSES
- PLASMAS (PHYSICS)
- PLASMATRONS

### PLASMA HEATING

- GS HEATING
- . . . **PLASMA HEATING**
- . . . ELECTRON CYCLOTRON HEATING
- RT ARC HEATING
- BEAM INJECTION
- BETA FACTOR
- BUMPY TORUSES
- ENERGY TRANSFER
- GAS HEATING
- INDUCTION HEATING
- IONOSPHERIC HEATING
- KINETIC HEATING
- MAGNETIC PUMPING
- MAGNETOHYDRODYNAMIC SHEAR HEATING
- PLASMA TEMPERATURE
- PLASMAS (PHYSICS)
- RADIO FREQUENCY HEATING
- RELATIVISTIC ELECTRON BEAMS
- SHOCK HEATING

### PLASMA INSTABILITY

- USE MAGNETOHYDRODYNAMIC STABILITY

### PLASMA INTERACTION EXPERIMENT

- UF PIX
- GS PAYLOADS
- . SPACE SHUTTLE PAYLOADS
- . . . **PLASMA INTERACTION EXPERIMENT**
- . . . SPACEBORNE EXPERIMENTS
- . . . **PLASMA INTERACTION EXPERIMENT**
- RT ∞ INTERACTIONS
- LANDSAT 3
- PLASMAS (PHYSICS)
- SPACE DENSITY
- SPHINX

### PLASMA INTERACTIONS

- GS **PLASMA INTERACTIONS**
- . PLASMA-ELECTROMAGNETIC INTERACTION
- . . . LASER PLASMA INTERACTIONS
- . . . PLASMA-PARTICLE INTERACTIONS
- RT ∞ INTERACTIONS
- PLASMAS (PHYSICS)
- SOLAR PLANETARY INTERACTIONS
- SPACE PLASMAS
- WAVE INTERACTION
- WEIBEL INSTABILITY

### PLASMA JET SYNTHESIS

- RT CHEMICAL REACTIONS
- PLASMAS (PHYSICS)
- ∞ SYNTHESIS

### PLASMA JET WIND TUNNELS

- UF HYDRODYNAMIC TUNNELS
- GS TEST FACILITIES
- . WIND TUNNELS
- . . . HYPERSONIC WIND TUNNELS
- . . . **PLASMA JET WIND TUNNELS**
- . . . HYPERVELOCITY WIND TUNNELS
- . . . **PLASMA JET WIND TUNNELS**
- RT PLASMAS (PHYSICS)

### PLASMA JETS

- UF PLASMA ARCS
- PLASMA DISCHARGES
- GS PARTICLES
- . CHARGED PARTICLES
- . . . **PLASMA JETS**
- . . . RADIO JETS (ASTRONOMY)
- RT ∞ ARCS
- CROSSED FIELD GUNS
- DROP TRANSFER
- ELECTRON BEAMS
- ELECTRON BOMBARDMENT
- FLUID JETS
- ION INJECTION
- ∞ JETS
- LOW DENSITY WIND TUNNELS
- MAGNETIC LENSES
- PLASMA TORCHES
- PLASMAS (PHYSICS)

**PLASMA JETS-(CONT.)**

PLASMATRONS  
PULSE DIFFRACTION  
RELATIVISTIC ELECTRON BEAMS  
RELATIVISTIC PLASMAS  
TOROIDAL DISCHARGE  
VAPOR JETS

**PLASMA LAYERS**

GS PARTICLES  
CHARGED PARTICLES  
PLASMA LAYERS  
PLASMA SHEATHS  
RT ATMOSPHERIC STRATIFICATION  
LAYERS  
PLASMAS (PHYSICS)  
SPACE PLASMAS  
TRANSITION LAYERS

**PLASMA LIFETIME**

GS LIFE (DURABILITY)  
PLASMA LIFETIME  
RT MAGNETOHYDRODYNAMIC STABILITY  
PLASMAS (PHYSICS)

**PLASMA LOSS**

RT LIMITERS (FUSION REACTORS)  
LOSSES  
MAGNETOHYDRODYNAMIC STABILITY  
PLASMAS (PHYSICS)

**PLASMA OSCILLATIONS**

UF ION OSCILLATION  
PLASMA PERTURBATION  
GS OSCILLATIONS  
PLASMA OSCILLATIONS  
RT ELECTRON OSCILLATIONS  
ION ACOUSTIC WAVES  
NONUNIFORM PLASMAS  
PLASMAPAUSE  
PLASMAS (PHYSICS)  
PLASMONS

**PLASMA PERTURBATION**

USE PLASMA OSCILLATIONS

**PLASMA PHYSICS**

UF PLASMA THEORY  
GS RIGID ROTORS (PLASMA PHYSICS)  
PLASMA PHYSICS  
RT ALPHA PLASMA DEVICES  
BBGKY HIERARCHY  
BETA FACTOR  
BOUNDARY LAYER PLASMAS  
CAVITONS  
CONTROLLED FUSION  
ELECTRON RUNAWAY (PLASMA PHYSICS)  
GRAND UNIFIED THEORY  
HALL ACCELERATORS  
INSTANTONS  
LARMOR RADIUS  
LIOUVILLE EQUATIONS  
MAGNETIC FIELD CONFIGURATIONS  
MAGNETOHYDRODYNAMICS  
MAGNETOHYDROSTATICS  
NEGATIVE IONS  
NEUTRAL SHEETS  
OPEN PROJECT  
PHYSICS  
PLASMAPAUSE  
PLASMAS (PHYSICS)  
RADIATION TRAPPING  
SCIENCE  
SEMICONDUCTOR PLASMAS  
SPACE PLASMAS  
THEORETICAL PHYSICS  
THERMODYNAMICS  
TOKAMAK DEVICES  
UNIFIED FIELD THEORY  
URANIUM PLASMAS

**PLASMA PINCH**

GS PINCH EFFECT  
PLASMA PINCH  
SCREW PINCH  
THETA PINCH  
ZETA PINCH  
RT MAGNETOHYDRODYNAMIC STABILITY  
PLASMAS (PHYSICS)  
Q DEVICES

**PLASMA POTENTIALS**

GS POTENTIAL ENERGY  
PLASMA POTENTIALS

**PLASMA POTENTIALS-(CONT.)**

RT DEBYE-HUCKEL THEORY  
MAGNETOHYDRODYNAMIC STABILITY  
NONEQUILIBRIUM PLASMAS  
PLASMAS (PHYSICS)  
POTENTIAL

**PLASMA POWER SOURCES**

GS PLASMA POWER SOURCES  
PLASMA ENGINES  
TWO STAGE PLASMA ENGINES  
RT ELECTRIC PROPULSION  
ENERGY SOURCES  
PLASMAS (PHYSICS)  
POWER SUPPLIES  
THERMIONIC CONVERTERS

**PLASMA PRESSURE**

GS PRESSURE  
PLASMA PRESSURE  
RT PLASMA COMPRESSION  
PLASMA DENSITY  
PLASMAS (PHYSICS)

**PLASMA PROBES**

GS MEASURING INSTRUMENTS  
PLASMA PROBES  
ELECTROSTATIC PROBES  
RT ION SHEATHS  
PLASMA GUIDES  
PLASMAS (PHYSICS)  
RADIO FREQUENCY IMPEDANCE PROBES

**PLASMA PROPULSION**

GS PROPULSION  
ELECTRIC PROPULSION  
PLASMA PROPULSION  
LOW THRUST PROPULSION  
PLASMA PROPULSION  
SPACECRAFT PROPULSION  
PLASMA PROPULSION  
RT DUOPLASMATRONS  
ELECTROMAGNETIC PROPULSION  
ELECTROSTATIC PROPULSION  
GASEOUS FISSION REACTORS  
ION PROPULSION  
MAGNETIC ANNULAR ARC  
MAGNETOHYDRODYNAMICS  
MAGNETOPLASMA DYNAMICS  
NUCLEAR ELECTRIC PROPULSION  
PLASMAS (PHYSICS)  
PLASMATRONS

**PLASMA PUMPING**

RT GAS INJECTION  
MOLECULAR PUMPS  
PLASMAS (PHYSICS)  
PUMPING

**PLASMA RADIATION**

RT ELECTRON RADIATION  
FLUORESCENCE  
GLOW DISCHARGES  
ION CYCLOTRON RADIATION  
LASER INDUCED FLUORESCENCE  
LUMINESCENCE  
NONEQUILIBRIUM PLASMAS  
OPTICAL RESONANCE  
PHOSPHORESCENCE  
PLASMAS (PHYSICS)  
POLARIZED RADIATION  
RADIATION  
RELATIVISTIC PLASMAS

**PLASMA RENIN ACTIVITY**

USE IMMUNOASSAY

**PLASMA RESONANCE**

GS RESONANCE  
PLASMA RESONANCE  
RT CAVITONS  
CYCLOTRON RESONANCE  
ELECTROMAGNETIC INTERACTIONS  
PLASMAS (PHYSICS)  
RESONANCE LINES  
RESONANCE PROBES

**PLASMA RINGS**

USE TOROIDAL PLASMAS

**PLASMA SHEATHS**

GS PARTICLES  
CHARGED PARTICLES

**PLASMA SHEATHS-(CONT.)**

PLASMA LAYERS  
PLASMA SHEATHS  
SHEATHS  
PLASMA SHEATHS  
RT BLACKOUT (PROPAGATION)  
BOUNDARY LAYER PLASMAS  
ION SHEATHS  
MAGNETOHYDRODYNAMIC SHEAR HEATING  
MAGNETOSHEATH  
METALLIC PLASMAS  
MISSILES  
NONEQUILIBRIUM PLASMAS  
PLASMAS (PHYSICS)  
REENTRY COMMUNICATION  
REENTRY EFFECTS  
REENTRY PHYSICS  
SYSTEM GENERATED  
ELECTROMAGNETIC PULSES  
UNCONTROLLED REENTRY (SPACECRAFT)

**PLASMA SLABS**

GS PARTICLES  
CHARGED PARTICLES  
PLASMA SLABS  
RT MAGNETOHYDRODYNAMIC STABILITY  
PLASMAS (PHYSICS)

**PLASMA SOUND WAVES**

USE MAGNETOHYDRODYNAMIC WAVES  
PLASMA WAVES

**PLASMA SPECTRA**

GS SPECTRA  
PLASMA SPECTRA  
RT EMISSION SPECTRA  
ENERGY SPECTRA  
OPTICAL RESONANCE  
PLASMAS (PHYSICS)  
RADIATION SPECTRA

**PLASMA SPRAYING**

GS SPRAYING  
PLASMA SPRAYING  
RT COATING  
COATINGS  
FLAME SPRAYING  
METAL MATRIX COMPOSITES  
PLASMAS (PHYSICS)  
SPRAYED COATINGS

**PLASMA STABILITY**

USE MAGNETOHYDRODYNAMIC STABILITY

**PLASMA TEMPERATURE**

GS TEMPERATURE  
PLASMA TEMPERATURE  
RT ION TEMPERATURE  
MAGNETOHYDRODYNAMIC STABILITY  
PLASMA HEATING  
PLASMAS (PHYSICS)  
THERMAL PLASMAS

**PLASMA THEORY**

USE PLASMA PHYSICS

**PLASMA TORCHES**

RT PLASMA ARC CUTTING  
PLASMA ARC WELDING  
PLASMA JETS  
PLASMAS (PHYSICS)

**PLASMA TURBULENCE**

GS TURBULENCE  
MAGNETOHYDRODYNAMIC TURBULENCE  
PLASMA TURBULENCE  
RT MAGNETOHYDRODYNAMIC FLOW  
MAGNETOHYDRODYNAMIC STABILITY  
PLASMAS (PHYSICS)

**PLASMA WAVES**

UF PLASMA SOUND WAVES  
GS ELASTIC WAVES  
MAGNETOHYDRODYNAMIC WAVES  
PLASMA WAVES  
ELECTROSTATIC WAVES  
RT COLLISIONAL PLASMAS  
DIFFUSION WAVES  
ELECTROACOUSTIC WAVES  
ELECTRON PLASMA  
ION ACOUSTIC WAVES

## PLASMA-ELECTROMAGNETIC INTERACTION

### PLASMA WAVES-(CONT.)

ION CYCLOTRON RADIATION  
IONIC WAVES  
LANDAU DAMPING  
MAGNETOACOUSTIC WAVES  
MAGNETOELASTIC WAVES  
NONUNIFORM PLASMAS  
PLASMA DRIFT  
PLASMAS (PHYSICS)  
SHOCK WAVES  
SPACE PLASMAS  
WAVE PACKETS

### PLASMA-ELECTROMAGNETIC INTERACTION

GS ELECTROMAGNETIC INTERACTIONS  
    . PLASMA-ELECTROMAGNETIC  
      INTERACTION  
    . . LASER PLASMA INTERACTIONS  
PLASMA INTERACTIONS  
    . PLASMA-ELECTROMAGNETIC  
      INTERACTION  
    . . LASER PLASMA INTERACTIONS  
RT  $\infty$  INTERACTIONS  
    PLASMAS (PHYSICS)  
    SPACE PLASMAS

### PLASMA-PARTICLE INTERACTIONS

GS PARTICLE INTERACTIONS  
    . PLASMA-PARTICLE INTERACTIONS  
PLASMA INTERACTIONS  
    . PLASMA-PARTICLE INTERACTIONS  
RT BEAM INJECTION  
    BEAM PLASMA AMPLIFIERS  
    CHARGE EXCHANGE  
    ELECTRON PHONON INTERACTIONS  
    ELECTRON PLASMA  
 $\infty$  INTERACTIONS  
    PARTICLE THEORY  
    PLASMA CURRENTS  
    PLASMAS (PHYSICS)  
    RELATIVISTIC ELECTRON BEAMS  
    RELATIVISTIC PLASMAS  
    SPHINX

### PLASMADYNAMIC LASERS

GS STIMULATED EMISSION DEVICES  
    . LASERS  
    . . PLASMADYNAMIC LASERS  
RT COHERENT LIGHT  
    GASDYNAMIC LASERS  
    LASER APPLICATIONS  
    PLASMAS (PHYSICS)

### PLASMAGUIDES

GS TRANSMISSION LINES  
    . COMMUNICATION CABLES  
    . . WAVEGUIDES  
    . . . PLASMAGUIDES  
RT BEAM WAVEGUIDES  
    ELECTROMAGNETIC WAVE  
    TRANSMISSION  
    MICROWAVE PLASMA PROBES  
    PLASMA CYLINDERS  
    PLASMA ELECTRODES  
    PLASMA PROBES  
    PLASMAS (PHYSICS)  
    WAVE PROPAGATION

### PLASMAPAUSE

SN (LIMITED TO EARTH'S ATMOSPHERE)  
RT COSMIC PLASMA  
    EARTH MAGNETOSPHERE  
    IONOPAUSE  
    PLASMA CLOUDS  
    PLASMA OSCILLATIONS  
    PLASMA PHYSICS  
    PLASMAS (PHYSICS)  
    SOLAR WIND

### PLASMAS (PHYSICS)

SN (LIMITED TO COMPLETELY IONIZED  
MATTER; FOR PARTIALLY IONIZED  
GASES SEE IONIZED GASES)  
UF ELECTROSTATIC PLASMA  
    IONIZED PLASMAS  
    MAGNETOIONIC PLASMA  
    MAGNETOPLASMAS  
PLASMOIDS  
GS PARTICLES  
    . CHARGED PARTICLES  
    . . ENERGETIC PARTICLES  
    . . . PLASMAS (PHYSICS)  
    . . . . ARGON PLASMA  
    . . . . BETA PARTICLES  
    . . . . BOUNDARY LAYER PLASMAS

### PLASMAS (PHYSICS)-(CONT.)

. . . . COLD PLASMAS  
    . . . . COLLISIONAL PLASMAS  
    . . . . STRONGLY COUPLED PLASMAS  
    . . . . COLLISIONLESS PLASMAS  
    . . . . COSMIC PLASMA  
    . . . . CYLINDRICAL PLASMAS  
    . . . . DENSE PLASMAS  
    . . . . PLASMA FOCUS  
    . . . . STRONGLY COUPLED PLASMAS  
    . . . . ELECTRON PLASMA  
    . . . . ELLIPTICAL PLASMAS  
    . . . . HELIUM PLASMA  
    . . . . HIGH TEMPERATURE PLASMAS  
    . . . . HYDROGEN PLASMA  
    . . . . DEUTERIUM PLASMA  
    . . . . LASER PLASMAS  
    . . . . METALLIC PLASMAS  
    . . . . CESIUM PLASMA  
    . . . . MICROPLASMAS  
    . . . . NITROGEN PLASMA  
    . . . . NONEQUILIBRIUM PLASMAS  
    . . . . NONUNIFORM PLASMAS  
    . . . . OXYGEN PLASMA  
    . . . . RAREFIED PLASMAS  
    . . . . RELATIVISTIC PLASMAS  
    . . . . ROTATING PLASMAS  
    . . . . SEMICONDUCTOR PLASMAS  
    . . . . SPACE PLASMAS  
    . . . . SOLAR WIND  
    . . . . STELLAR WINDS  
    . . . . SPHERICAL PLASMAS  
    . . . . THERMAL PLASMAS  
    . . . . TOROIDAL PLASMAS  
RT ALPHA PLASMA DEVICES  
    BEAM PLASMA AMPLIFIERS  
    BLACKOUT (PROPAGATION)  
    CHEMICAL ELEMENTS  
    COMBUSTION PHYSICS  
    CORE FLOW  
    CYCLOPS PLASMA ACCELERATOR  
    DEBYE LENGTH  
    DEUTERON IRRADIATION  
    DEUTERONS  
    DUOPLASMATRONS  
    ELECTRIC ARCS  
    ELECTRON ENERGY  
    GASES  
    HIGH TEMPERATURE FLUIDS  
    IONIZED GASES  
    IONS  
    KELVIN-HELMHOLTZ INSTABILITY  
    LANDAU FACTOR  
    LASER FUSION  
    LASER PLASMA INTERACTIONS  
    LIGHT IONS  
    LIOUVILLE EQUATIONS  
    LOW DENSITY RESEARCH  
    MAGNETIC COMPRESSION  
    MAGNETOHYDRODYNAMIC FLOW  
    MAGNETOHYDRODYNAMIC STABILITY  
    MAGNETOHYDRODYNAMICS  
    MAGNETOIONICS  
    MICROWAVE PLASMA PROBES  
    ONSAGER PHENOMENOLOGICAL  
    COEFFICIENT

### $\infty$ PHYSICS

PLASMA ACCELERATION  
PLASMA ACCELERATORS  
PLASMA ARC CUTTING  
PLASMA ARC WELDING  
PLASMA CHEMISTRY  
PLASMA CLOUDS  
PLASMA COMPOSITION  
PLASMA COMPRESSION  
PLASMA CONDUCTIVITY  
PLASMA CONTROL  
PLASMA COOLING  
PLASMA CORE REACTORS  
PLASMA CURRENTS  
PLASMA CYLINDERS  
PLASMA DECAY  
PLASMA DENSITY  
PLASMA DIAGNOSTICS  
PLASMA DIFFUSION  
PLASMA DIODES  
PLASMA DISPLAY DEVICES  
PLASMA DRIFT  
PLASMA DYNAMICS  
PLASMA ENGINES  
PLASMA EQUILIBRIUM  
PLASMA ETCHING  
PLASMA FLUX MEASUREMENT  
PLASMA FREQUENCIES  
PLASMA GENERATORS  
PLASMA GUNS

### PLASMAS (PHYSICS)-(CONT.)

PLASMA HEATING  
PLASMA INTERACTION EXPERIMENT  
PLASMA INTERACTIONS  
PLASMA JET SYNTHESIS  
PLASMA JET WIND TUNNELS  
PLASMA JETS  
PLASMA LAYERS  
PLASMA LIFETIME  
PLASMA LOSS  
PLASMA OSCILLATIONS  
PLASMA PHYSICS  
PLASMA PINCH  
PLASMA POTENTIALS  
PLASMA POWER SOURCES  
PLASMA PRESSURE  
PLASMA PROBES  
PLASMA PROPULSION  
PLASMA PUMPING  
PLASMA RADIATION  
PLASMA RESONANCE  
PLASMA SHEATHS  
PLASMA SLABS  
PLASMA SPECTRA  
PLASMA SPRAYING  
PLASMA TEMPERATURE  
PLASMA TORCHES  
PLASMA TURBULENCE  
PLASMA WAVES  
PLASMA-ELECTROMAGNETIC  
INTERACTION  
PLASMA-PARTICLE INTERACTIONS  
PLASMADYNAMIC LASERS  
PLASMAGUIDES  
PLASMAPAUSE  
PLASMASPHERE  
PLASMATRONS  
RADIATION BELTS  
RAREFIED GAS DYNAMICS  
SCYLLA  
SOLAR PHYSICS  
SPACE CHARGE  
SPHINX  
STELLAR MAGNETIC FIELDS  
TEARING MODES (PLASMAS)  
THERMAL DISSOCIATION  
THERMODYNAMICS  
THERMONUCLEAR REACTIONS  
TWO STAGE PLASMA ENGINES

### PLASMAS-IN-SPACE PAYLOAD

USE AMPS (SATELLITE PAYLOAD)

### PLASMASPHERE

RT ATMOSPHERIC IONIZATION  
    CHEMOSPHERE  
    EARTH ATMOSPHERE  
    EARTH MAGNETOSPHERE  
    OPEN PROJECT  
    PLASMAS (PHYSICS)  
    UPPER ATMOSPHERE

### PLASMATRONS

GS ION SOURCES  
    . PLASMATRONS  
    . . DUOPLASMATRONS  
    . . . PLASMA GENERATORS  
    . . . PLASMATRONS  
    . . . DUOPLASMATRONS  
RT PLASMA ELECTRODES  
    PLASMA GUNS  
    PLASMA JETS  
    PLASMA PROPULSION  
    PLASMAS (PHYSICS)

### PLASMOIDS

USE PLASMAS (PHYSICS)

### PLASMOLYSIS

RT CELLS (BIOLOGY)  
    CYTOLOGY  
    DEHYDRATION

### PLASMONS

SN (EXCLUDES ORGANIC CYTOPLASMIC  
CONDITIONS)  
GS ELECTROMAGNETIC RADIATION  
    . PLASMONS  
    . . ELEMENTARY EXCITATIONS  
    . . . PLASMONS  
    . . . . POLARITONS  
RT ELECTRON GAS  
    EXCITONS  
    MAGNETOHYDRODYNAMIC STABILITY

**PLASMONS-(CONT.)**

MAGNONS  
PHONONS  
PLASMA FREQUENCIES  
PLASMA OSCILLATIONS  
POLARONS

**PLASTERS**

GS **PLASTERS**  
. GYPSUM  
. PARAPLASTS  
RT CASTS  
GROUT  
MOLDING MATERIALS  
MORTARS (MATERIAL)  
PASTES

**PLASTIC AIRCRAFT STRUCTURES**

GS AIRCRAFT STRUCTURES  
. **PLASTIC AIRCRAFT STRUCTURES**  
RT AIRCRAFT CONSTRUCTION MATERIALS  
AIRCRAFT SURVIVABILITY  
BORON-EPOXY COMPOSITES  
GLASS FIBER REINFORCED PLASTICS  
PLASTICS

**PLASTIC ANISOTROPY**

GS ANISOTROPY  
. **PLASTIC ANISOTROPY**  
. ELASTIC ANISOTROPY  
RT VISCOPLASTICITY

**PLASTIC BODIES**

RT BEAMS (SUPPORTS)  
∞ BODIES  
CYLINDRICAL BODIES  
ELASTIC BODIES  
ELASTIC PLATES  
ELASTOPLASTICITY  
PLASTIC PROPERTIES  
PLASTIC SHELLS  
RIGID STRUCTURES

**PLASTIC COATINGS**

GS COATINGS  
. **PLASTIC COATINGS**  
RT ANTIRADAR COATINGS  
ENCAPSULATING  
POLYMERIC FILMS  
PROTECTIVE COATINGS  
SPRAYED COATINGS

**PLASTIC DEFORMATION**

UF LUDER BANDS  
PLASTIC YIELDING  
STRAIN SOFTENING  
GS DEFORMATION  
. **PLASTIC DEFORMATION**  
RT ∞ BANDS  
BENDING  
BORDONI PEAKS  
CREEP PROPERTIES  
CREEP TESTS  
ELASTIC DEFORMATION  
ELONGATION  
J INTEGRAL  
PLANE STRAIN  
SAINT VENANT PRINCIPLE  
SHEAR CREEP  
∞ SLIP  
STRAIN DISTRIBUTION  
STRESS PROPAGATION  
STRESS RELAXATION  
STRESS-STRAIN RELATIONSHIPS  
STRETCHING  
STRUCTURAL STRAIN  
SUPERPLASTICITY  
TEMPERATURE INVERSIONS  
TENSILE CREEP  
TENSILE DEFORMATION  
THERMOMECHANICAL TREATMENT  
WARPAGE  
WORK SOFTENING  
YIELD STRENGTH

**PLASTIC FILMS**

USE POLYMERIC FILMS

**PLASTIC FLOW**

GS FLUID FLOW  
. **PLASTIC FLOW**  
. TRESCA FLOW  
RT CREEP PROPERTIES  
∞ FLOW  
INTERNAL FRICTION

**PLASTIC FLOW-(CONT.)**

RHEOLOGY  
SHEAR FLOW  
STEADY STATE CREEP  
STRESS RELAXATION  
SUPERPLASTICITY  
VISCOELASTICITY  
VISCOPLASTICITY

**PLASTIC MEMORY**

RT SHAPE MEMORY ALLOYS  
STRESS RELAXATION

**PLASTIC PLATES**

SN (STRUCTURAL PLATES EXHIBITING  
PLASTIC PROPERTIES)  
GS STRUCTURAL MEMBERS  
. PLATES (STRUCTURAL MEMBERS)  
. **PLASTIC PLATES**  
RT ELASTIC PLATES  
ELASTOPLASTICITY  
REINFORCED PLATES

**PLASTIC PROPELLANTS**

GS PROPELLANTS  
. SOLID PROPELLANTS  
. **PLASTIC PROPELLANTS**  
RT CHEMICAL FUELS  
COMPOSITE PROPELLANTS  
EXPLOSIVES  
GELLED PROPELLANTS  
HTPB PROPELLANTS  
MONOPROPELLANTS  
PLASTICIZERS  
POLYBUTADIENE TETRANITRAMINE  
PYROTECHNICS

**PLASTIC PROPERTIES**

UF PLASTICITY  
GS MECHANICAL PROPERTIES  
. **PLASTIC PROPERTIES**  
. ELASTOPLASTICITY  
. PHOTOPLASTICITY  
. SUPERPLASTICITY  
. THERMOPLASTICITY  
. VISCOPLASTICITY  
RT ∞ YIELD POINT  
COHESION  
COLD FLOW TESTS  
DUCTILITY  
ELASTIC PROPERTIES  
FATIGUE (MATERIALS)  
FLEXIBILITY  
HARDNESS  
INFLUENCE COEFFICIENT  
METHOD OF CHARACTERISTICS  
PLASTIC BODIES  
∞ PROPERTIES  
RHEOLOGY  
SEMISOLIDS  
STRESS RELAXATION  
STRESS TENSORS  
STRUCTURAL STABILITY

**PLASTIC SHELLS**

GS SHELLS (STRUCTURAL FORMS)  
. **PLASTIC SHELLS**  
RT CYLINDRICAL SHELLS  
ELASTIC SHELLS  
ELASTOPLASTICITY  
PLASTIC BODIES  
REINFORCED SHELLS  
SHELL STABILITY

**PLASTIC TAPES**

RT ADHESIVES  
MAGNETIC TAPES  
∞ TAPES

**PLASTIC YIELDING**

USE PLASTIC DEFORMATION

**PLASTICITY**

USE PLASTIC PROPERTIES

**PLASTICIZERS**

UF CASTING SOLVENTS  
ELASTICIZERS  
GS ADDITIVES  
. **PLASTICIZERS**  
RT CASE BONDED PROPELLANTS  
COATINGS  
DOMINO PROPELLANTS  
ESTERS

**PLASTICIZERS-(CONT.)**

PLASTIC PROPELLANTS  
PROPELLANT ADDITIVES  
SKYDROL (TRADEMARK)  
SOLID PROPELLANTS  
SOLID ROCKET BINDERS  
SURFACTANTS  
TRIACETIN

**PLASTICS**

GS **PLASTICS**  
. DELRIN (TRADEMARK)  
. PERSPEX (TRADEMARK)  
. POLYBUTADIENE  
. POLYETHYLENES  
. POLYETHYLENE TEREPHTHALATE  
. POLYISOBUTYLENE  
. POLYPROPYLENE  
. POLYSTYRENE  
. STYROFOAM (TRADEMARK)  
. POLYTETRAFLUOROETHYLENE  
. TEFLON (TRADEMARK)  
. POLYVINYL ALCOHOL  
. POLYVINYL CHLORIDE  
. POLYVINYL FLUORIDE  
. REINFORCED PLASTICS  
. CARBON FIBER REINFORCED  
PLASTICS  
. GLASS FIBER REINFORCED PLASTICS  
. MICARTA  
. SYNTHETIC RESINS  
. ADDITION RESINS  
. ACRYLIC RESINS  
. VINYL COPOLYMERS  
. POLYESTER RESINS  
. POLYETHER RESINS  
. PEEK  
. POLYMETHYL METHACRYLATE  
. THERMOPLASTIC RESINS  
. PEEK  
. QUINOXALINES  
. THERMOPLASTIC FILMS  
. THERMOSETTING RESINS  
. EPOXY RESINS  
. PHENOLIC EPOXY RESINS  
. FURAN RESINS  
. POLYAMIDE RESINS  
. KEVLAR (TRADEMARK)  
. PHENOLIC RESINS  
. MICARTA  
. PHENOLIC EPOXY RESINS  
RT ACRYLONITRILES  
BORON REINFORCED MATERIALS  
∞ CONSTRUCTION MATERIALS  
ELASTOMERS  
FLUOROPOLYMERS  
FURANS  
INJECTION MOLDING  
ION EXCHANGE RESINS  
KAPTON (TRADEMARK)  
∞ MATERIALS SCIENCE  
MOLDING MATERIALS  
ORGANIC MATERIALS  
PETROLEUM PRODUCTS  
PLASTIC AIRCRAFT STRUCTURES  
∞ POLYMERS  
TETRAHYDROFURAN  
THIOPLASTICS

**PLASTISOLS**

GS MIXTURES  
. DISPERSIONS  
. **PLASTISOLS**  
. SMOKE  
RT COLLOIDS  
COMPOSITE PROPELLANTS  
DOUBLE BASE PROPELLANTS  
RESINS

**PLAT SYSTEM**

UF PILOT LANDING AID TELEVISION  
SYSTEM  
GS COMMUNICATION EQUIPMENT  
. **PLAT SYSTEM**  
TELECOMMUNICATION  
. **PLAT SYSTEM**  
TELEVISION SYSTEMS  
. **PLAT SYSTEM**  
RT LANDING AIDS  
∞ SYSTEMS

**PLATE (METAL)**

USE METAL PLATES



## PLATE THEORY

### PLATE THEORY

- RT FLAT PLATES
- STRUCTURAL ANALYSIS
- ∞ THEORIES

### PLATEAUS

- GS LANDFORMS
  - . TERRACES (LANDFORMS)
  - . **PLATEAUS**
    - . . . ALLEGHENY PLATEAU (US)
    - . . . COLORADO PLATEAU (US)
    - . . . MESAS
    - . . . BUTTES
    - . . . PIEDMONTS
    - . . . CENTRAL PIEDMONT (US)
- RT APEXES
- EROSION
- HIGHLANDS
- ∞ PEAKS
- PLAINS
- STRATIGRAPHY

### PLATELETS

- RT BLOOD COAGULATION
- BLOOD GROUPS
- HISTOLOGY
- THROMBOPLASTIN

### PLATENS

- RT ∞ PLATES
- PRESSES
- ∞ PRESSING
- PUNCHES
- RAMS (PRESSES)
- ROLLERS
- TOOLS

### ∞ PLATES

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT CORRUGATING
- DISKS (SHAPES)
- FLAT PLATES
- METAL COATINGS
- METAL PLATES
- MICROCHANNEL PLATES
- PANELS
- PARALLEL PLATES
- PHOTOGRAPHIC PLATES
- PLATENS
- PLATES (STRUCTURAL MEMBERS)
- PLATING
- RECTANGULAR PLATES
- SCATTER PLATES (OPTICS)
- THICK PLATES
- THIN PLATES
- TRAYS

### PLATES (STRUCTURAL MEMBERS)

- GS STRUCTURAL MEMBERS
  - . **PLATES (STRUCTURAL MEMBERS)**
    - . . . ANISOTROPIC PLATES
    - . . . ANNULAR PLATES
    - . . . CANTILEVER PLATES
    - . . . CIRCULAR PLATES
    - . . . CORRUGATED PLATES
    - . . . ELASTIC PLATES
    - . . . END PLATES
    - . . . GIRDER WEBS
    - . . . METAL PLATES
    - . . . BOILER PLATE
    - . . . ORTHOTROPIC PLATES
    - . . . PERFORATED PLATES
    - . . . PLASTIC PLATES
    - . . . POROUS PLATES
    - . . . RECTANGULAR PLATES
    - . . . REINFORCED PLATES
- RT FLAT PLATES
- GIRDERS
- METAL SHEETS
- ORTHOTROPISM
- ∞ PLATES
- REISSNER THEORY
- SLABS
- THICK PLATES
- THIN PLATES

### PLATES (TECTONICS)

- RT EARTH CRUST
- EARTH MANTLE
- EARTH PLANETARY STRUCTURE
- EARTHQUAKES
- GEOLOGICAL FAULTS
- GEOPHYSICS

### PLATES (TECTONICS)-(CONT.)

- LITHOSPHERE
- STRUCTURAL PROPERTIES (GEOLOGY)
- SUBDUCTION (GEOLOGY)
- TECTONICS

### ∞ PLATFORMS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT FLIGHT MECHANICS
- FLOORS
- FLYING PLATFORMS
- GUIDANCE (MOTION)
- INERTIAL PLATFORMS
- LANDFORMS
- LAUNCHING PADS
- OFFSHORE PLATFORMS
- SLABS
- SOLETTAS
- SPACE PLATFORMS
- SPACE STATIONS
- STABILIZED PLATFORMS
- SUPPORTS
- SYNCHRONOUS PLATFORMS

### PLATING

- GS **PLATING**
  - . ELECTROPLATING
  - . FLAME PLATING
  - . ION PLATING
  - . NICKEL PLATE
- RT ANODIC STRIPPING
- CATHODIC COATINGS
- CLADDING
- DEPOSITION
- DEPOSITS
- ELECTRODEPOSITION
- ELECTROLESS DEPOSITION
- FINISHES
- LAMINATES
- METAL COATINGS
- METAL FINISHING
- METALLIZING
- ∞ PLATES
- PROTECTIVE COATINGS
- SUBSTRATES
- THIN FILMS

### PLATINUM

- GS CHEMICAL ELEMENTS
  - . **PLATINUM**
    - . . . PLATINUM ISOTOPES
    - . . . METALS
    - . . . TRANSITION METALS
    - . . . **PLATINUM**
      - . . . . PLATINUM ISOTOPES
- RT PLATINUM BLACK

### PLATINUM ALLOYS

- GS ALLOYS
  - . **PLATINUM ALLOYS**
- RT RHODIUM ALLOYS

### PLATINUM BLACK

- GS PARTICLES
  - . METAL PARTICLES
  - . . . METAL POWDER
  - . . . **PLATINUM BLACK**
    - . . . . POWDER (PARTICLES)
    - . . . . METAL POWDER
    - . . . . **PLATINUM BLACK**
- RT CATALYSTS
- PLATINUM

### PLATINUM COMPOUNDS

- GS **PLATINUM COMPOUNDS**
  - . PLATINUM OXIDES
- RT ∞ CHEMICAL COMPOUNDS
- ∞ GROUP 8 COMPOUNDS
- ∞ METAL COMPOUNDS

### PLATINUM ISOTOPES

- GS CHEMICAL ELEMENTS
  - . NUCLIDES
  - . . . ISOTOPES
  - . . . **PLATINUM ISOTOPES**
    - . . . . PLATINUM
    - . . . . **PLATINUM ISOTOPES**
      - . . . . . METALS
      - . . . . . TRANSITION METALS
      - . . . . . PLATINUM
      - . . . . . **PLATINUM ISOTOPES**

### PLATINUM OXIDES

- GS CHALCOGENIDES
  - . OXIDES
  - . . . METAL OXIDES
  - . . . . **PLATINUM OXIDES**
- PLATINUM COMPOUNDS
- . **PLATINUM OXIDES**

### PLAYAS

- GS LAND
  - . PLAINS
  - . . **PLAYAS**
- LANDFORMS
- . **PLAYAS**
- RT DESERTS
- LAKES

### PLAYBACKS

- RT MAGNETIC TAPES
- ∞ RECORDERS
- RECORDING
- RECORDS
- ∞ TAPES
- VIDEO DISKS

### PLEIADES CLUSTER

- GS CELESTIAL BODIES
  - . STAR CLUSTERS
  - . . OPEN CLUSTERS
  - . . . **PLEIADES CLUSTER**
- RT ∞ CLUSTERS
- TAURUS CONSTELLATION

### PLENUM CHAMBERS

- RT AIR INTAKES
- ∞ CHAMBERS
  - . DUCTS
  - . EXHAUST SYSTEMS
  - . FUEL SYSTEMS
  - . INTAKE SYSTEMS
  - . MANIFOLDS
  - . ∞ WATER INTAKES

### PLETHYSMOGRAPHY

- GS BIOENGINEERING
  - . BIOMETRICS
  - . . **PLETHYSMOGRAPHY**
    - . . . ELECTROPLETHYSMOGRAPHY

### PLEURAE

- GS ANATOMY
  - . **PLEURAE**
    - . . MEMBRANES
    - . . **PLEURAE**
- RT LUNGS
- RESPIRATORY SYSTEM

### PLEUROTIN

- GS DRUGS
  - . ANTIBIOTICS
  - . **PLEUROTIN**
- RT STAPHYLOCOCCUS

### PLEXIGLASS (TRADEMARK)

- USE POLYMETHYL METHACRYLATE

### PLIES

- USE LAYERS

### ∞ PLOTS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT CHARTS
- DISPLAY DEVICES
- PLOTTERS
- PLOTTING
- SITES

### PLOTTERS

- UF PLOTTING INSTRUMENTS
- GS RECORDING INSTRUMENTS
  - . **PLOTTERS**
    - . . X-Y PLOTTERS
- RT COMPUTER GRAPHICS
- DIGITAL TO ANALOG CONVERTERS
- DISPLAY DEVICES
- NAVIGATION AIDS
- PERIPHERAL EQUIPMENT (COMPUTERS)
- ∞ PLOTS
- PLOTTING
- POSITION INDICATORS
- PRINTERS
- REMOTE CONSOLES

**PLOTTING**

RT ANALOG TO DIGITAL CONVERTERS  
DISPLAY DEVICES  
NAVIGATION  
∞ PLOTS  
PLOTTERS  
PRINTING  
RECORDING

**PLOTTING INSTRUMENTS**

USE PLOTTERS

**PLOWED FIELDS**

USE FARMLANDS

**PLOWING**

GS CULTIVATION  
PLOWING  
RT AGRICULTURE  
FARM CROPS  
FARMLANDS  
GRASSLANDS  
PLANTING  
PLANTS (BOTANY)  
PLOWS  
SOD  
TRACTORS

**PLOWS**

RT AGRICULTURE  
MIXERS  
PLANTING  
PLOWING

**PLSS**

USE PORTABLE LIFE SUPPORT SYSTEMS

**PLUG NOZZLES**

GS EXHAUST NOZZLES  
PLUG NOZZLES  
RT ANNULAR NOZZLES  
CONICAL NOZZLES  
NOZZLE GEOMETRY  
∞ NOZZLES  
ROCKET NOZZLES  
SPIKE NOZZLES

**PLUGGING**

UF CLOGGING  
RT AGGLOMERATION  
BLOCKING  
CAULKING  
CLOSING  
CLOSURES  
CONSTRICTIONS  
FOULING  
PLUGS  
SEALING  
SEALS (STOPPERS)

**PLUGS**

SN (EXCLUDES SPARKPLUGS OR  
ELECTRICAL CONNECTORS)  
GS SEALS (STOPPERS)  
PLUGS  
RT BLOCKING  
CLOSURES  
LABYRINTH SEALS  
OUTLETS  
PLUGGING  
STOPPING

**PLUM BROOK REACTOR**

GS NUCLEAR REACTORS  
LIQUID COOLED REACTORS  
WATER COOLED REACTORS  
PLUM BROOK REACTOR  
NUCLEAR RESEARCH AND TEST  
REACTORS  
PLUM BROOK REACTOR

**PLUMAGE**

RT BIRDS

**PLUMBANE**

USE LEAD COMPOUNDS  
METAL HYDRIDES

**PLUMES**

GS PLUMES  
ROCKET EXHAUST  
RT CHIMNEYS  
CONDENSATES  
POLLUTION TRANSPORT

**PLUMES-(CONT.)**

SHOCK WAVES

**PLUNGERS**

RT MIXERS  
PISTONS  
RAMS (PRESSES)  
RAMS (PUMPS)

**PLUTO (PLANET)**

GS CELESTIAL BODIES  
PLANETS  
PLUTO (PLANET)  
RT CHARON  
PLUTO ATMOSPHERE

**PLUTO ATMOSPHERE**

GS ENVIRONMENTS  
EXTRATERRESTRIAL ENVIRONMENTS  
PLANETARY ENVIRONMENTS  
PLANETARY ATMOSPHERES  
PLUTO ATMOSPHERE  
RT PLUTO (PLANET)

**PLUTO REACTORS**

GS NUCLEAR REACTORS  
PLUTO REACTORS  
RT NUCLEAR RAMJET ENGINES  
NUCLEAR ROCKET ENGINES  
SUPERSONIC LOW ALTITUDE MISSILE

**PLUTONIUM**

GS CHEMICAL ELEMENTS  
ACTINIDE SERIES  
TRANSURANIUM ELEMENTS  
PLUTONIUM  
PLUTONIUM ISOTOPES  
PLUTONIUM 238  
PLUTONIUM 239  
PLUTONIUM 240  
PLUTONIUM 241  
PLUTONIUM 244  
NUCLIDES  
ISOTOPES  
RADIOACTIVE ISOTOPES  
TRANSURANIUM ELEMENTS  
PLUTONIUM  
PLUTONIUM ISOTOPES  
METALS  
ACTINIDE SERIES  
TRANSURANIUM ELEMENTS  
PLUTONIUM  
PLUTONIUM ISOTOPES  
PLUTONIUM 238  
PLUTONIUM 239  
PLUTONIUM 240  
PLUTONIUM 241  
PLUTONIUM 244  
RT FISSIONABLE MATERIALS  
NUCLEAR FUELS

**PLUTONIUM ALLOYS**

GS ALLOYS  
PLUTONIUM ALLOYS  
RT NUCLEAR FUEL ELEMENTS  
NUCLEAR FUELS

**PLUTONIUM CARBIDES**

USE PLUTONIUM COMPOUNDS

**PLUTONIUM COMPOUNDS**

UF PLUTONIUM CARBIDES  
GS ACTINIDE SERIES COMPOUNDS  
PLUTONIUM COMPOUNDS  
PLUTONIUM FLUORIDES  
PLUTONIUM OXIDES  
RT CERAMIC NUCLEAR FUELS  
CHEMICAL COMPOUNDS  
METAL COMPOUNDS  
NUCLEAR FUELS

**PLUTONIUM FLUORIDES**

GS ACTINIDE SERIES COMPOUNDS  
PLUTONIUM COMPOUNDS  
PLUTONIUM FLUORIDES  
HALOGEN COMPOUNDS  
FLUORINE COMPOUNDS  
FLUORIDES  
METAL FLUORIDES  
PLUTONIUM FLUORIDES

**PLUTONIUM ISOTOPES**

GS CHEMICAL ELEMENTS  
ACTINIDE SERIES

**PLUTONIUM ISOTOPES-(CONT.)**

TRANSURANIUM ELEMENTS  
PLUTONIUM  
PLUTONIUM ISOTOPES  
PLUTONIUM 238  
PLUTONIUM 239  
PLUTONIUM 240  
PLUTONIUM 241  
PLUTONIUM 244  
NUCLIDES  
ISOTOPES  
RADIOACTIVE ISOTOPES  
TRANSURANIUM ELEMENTS  
PLUTONIUM  
PLUTONIUM ISOTOPES  
METALS  
ACTINIDE SERIES  
TRANSURANIUM ELEMENTS  
PLUTONIUM  
PLUTONIUM ISOTOPES  
PLUTONIUM 238  
PLUTONIUM 239  
PLUTONIUM 240  
PLUTONIUM 241  
PLUTONIUM 244

**PLUTONIUM OXIDES**

GS ACTINIDE SERIES COMPOUNDS  
PLUTONIUM COMPOUNDS  
PLUTONIUM OXIDES  
CHALCOGENIDES  
OXIDES  
METAL OXIDES  
PLUTONIUM OXIDES  
RT CERAMIC NUCLEAR FUELS  
MIXED OXIDES

**PLUTONIUM RECYCLE TEST REACTOR**

UF PRTR (REACTOR)  
GS NUCLEAR ELECTRIC POWER  
GENERATION  
NUCLEAR POWER REACTORS  
PLUTONIUM RECYCLE TEST  
REACTOR  
NUCLEAR REACTORS  
LIQUID COOLED REACTORS  
WATER COOLED REACTORS  
HEAVY WATER REACTORS  
PLUTONIUM RECYCLE TEST  
REACTOR  
NUCLEAR POWER REACTORS  
PLUTONIUM RECYCLE TEST  
REACTOR  
NUCLEAR RESEARCH AND TEST  
REACTORS  
PLUTONIUM RECYCLE TEST  
REACTOR  
WATER MODERATED REACTORS  
PLUTONIUM RECYCLE TEST  
REACTOR

**PLUTONIUM 238**

GS CHEMICAL ELEMENTS  
ACTINIDE SERIES  
TRANSURANIUM ELEMENTS  
PLUTONIUM  
PLUTONIUM ISOTOPES  
PLUTONIUM 238  
NUCLIDES  
ISOTOPES  
RADIOACTIVE ISOTOPES  
TRANSURANIUM ELEMENTS  
PLUTONIUM  
PLUTONIUM ISOTOPES  
METALS  
ACTINIDE SERIES  
TRANSURANIUM ELEMENTS  
PLUTONIUM  
PLUTONIUM ISOTOPES  
PLUTONIUM 238

**PLUTONIUM 239**

GS CHEMICAL ELEMENTS  
ACTINIDE SERIES  
TRANSURANIUM ELEMENTS  
PLUTONIUM  
PLUTONIUM ISOTOPES  
PLUTONIUM 239  
NUCLIDES  
ISOTOPES  
RADIOACTIVE ISOTOPES  
TRANSURANIUM ELEMENTS  
PLUTONIUM  
PLUTONIUM ISOTOPES  
METALS

## PLUTONIUM 240

### PLUTONIUM 239-(CONT.)

- . ACTINIDE SERIES
- . TRANSURANIUM ELEMENTS
- . PLUTONIUM
- . PLUTONIUM ISOTOPES
- . PLUTONIUM 239

### PLUTONIUM 240

- GS CHEMICAL ELEMENTS
- . ACTINIDE SERIES
- . TRANSURANIUM ELEMENTS
- . PLUTONIUM
- . PLUTONIUM ISOTOPES
- . PLUTONIUM 240
- . NUCLIDES
- . ISOTOPES
- . RADIOACTIVE ISOTOPES
- . TRANSURANIUM ELEMENTS
- . PLUTONIUM
- . PLUTONIUM ISOTOPES
- METALS
- . ACTINIDE SERIES
- . TRANSURANIUM ELEMENTS
- . PLUTONIUM
- . PLUTONIUM ISOTOPES
- . PLUTONIUM 240

### PLUTONIUM 241

- GS CHEMICAL ELEMENTS
- . ACTINIDE SERIES
- . TRANSURANIUM ELEMENTS
- . PLUTONIUM
- . PLUTONIUM ISOTOPES
- . PLUTONIUM 241
- . NUCLIDES
- . ISOTOPES
- . RADIOACTIVE ISOTOPES
- . TRANSURANIUM ELEMENTS
- . PLUTONIUM
- . PLUTONIUM ISOTOPES
- METALS
- . ACTINIDE SERIES
- . TRANSURANIUM ELEMENTS
- . PLUTONIUM
- . PLUTONIUM ISOTOPES
- . PLUTONIUM 241

### PLUTONIUM 244

- GS CHEMICAL ELEMENTS
- . ACTINIDE SERIES
- . TRANSURANIUM ELEMENTS
- . PLUTONIUM
- . PLUTONIUM ISOTOPES
- . PLUTONIUM 244
- . NUCLIDES
- . ISOTOPES
- . RADIOACTIVE ISOTOPES
- . TRANSURANIUM ELEMENTS
- . PLUTONIUM
- . PLUTONIUM ISOTOPES
- METALS
- . ACTINIDE SERIES
- . TRANSURANIUM ELEMENTS
- . PLUTONIUM
- . PLUTONIUM ISOTOPES
- . PLUTONIUM 244

### PLUVIOGRAPHS

- USE RAIN GAGES
- RECORDING INSTRUMENTS

### PLY ORIENTATION

- RT ALIGNMENT
- COMPOSITE MATERIALS
- INTERLAYERS
- LAMINATES
- ∞ LAYERS
- MULTILAYER INSULATION
- ∞ ORIENTATION
- PLYWOOD
- POSITIONING
- SANDWICH STRUCTURES
- SUBSTRATES

### PLYWOOD

- GS COMPOSITE MATERIALS
- . LAMINATES
- . PLYWOOD
- COMPOSITE STRUCTURES
- . LAMINATES
- . PLYWOOD
- WOOD
- . PLYWOOD
- RT PLY ORIENTATION
- TREES (PLANTS)

### PLYWOOD-(CONT.)

WOODEN STRUCTURES

### PNEUMATIC CIRCUITS

- GS CIRCUITS
- . PNEUMATIC CIRCUITS
- PNEUMATIC EQUIPMENT
- . PNEUMATIC CIRCUITS
- RT FLUIDICS
- VALVES

### PNEUMATIC CONTROL

- UF PNEUMATIC RESET
- RT AUTOMATIC CONTROL
- AUTOMATIC CONTROL VALVES
- COMPRESSED GAS
- ∞ CONTROL
- CONTROL EQUIPMENT
- CONTROL VALVES
- CONTROLLERS
- ELECTRONIC CONTROL
- ENGINE CONTROL
- FLUID POWER
- FLUIDICS
- HYDRAULIC CONTROL
- REMOTE CONTROL

### PNEUMATIC EQUIPMENT

- GS PNEUMATIC EQUIPMENT
- . GAS VALVES
- . PNEUMATIC CIRCUITS
- RT AIR BAG RESTRAINT DEVICES
- COMPRESSED AIR
- CUSHIONS
- ∞ EQUIPMENT
- FLUID AMPLIFIERS
- FLUID POWER
- FLUID SWITCHING ELEMENTS
- FLUIDICS
- GAS GENERATORS
- GOLAY DETECTOR CELLS
- INFLATABLE STRUCTURES
- ∞ NETWORKS
- SERVOCONTROL
- SERVOMECHANISMS
- SHOCK ABSORBERS
- ∞ SYSTEMS
- VALVES

### PNEUMATIC PROBES

- GS MEASURING INSTRUMENTS
- . TEMPERATURE MEASURING
- INSTRUMENTS
- . TEMPERATURE PROBES
- . PNEUMATIC PROBES
- RT FLOW MEASUREMENT
- HIGH TEMPERATURE GASES
- MASS FLOW RATE
- NOZZLE FLOW
- PRESSURE MEASUREMENT

### PNEUMATIC RESET

- USE PNEUMATIC CONTROL

### PNEUMATICS

- GS FLUID MECHANICS
- . PNEUMATICS
- RT FLOW THEORY
- FLUID POWER
- FLUIDICS
- GASES
- ∞ HYDRAULICS

### PNEUMOGRAPHY

- USE PNEUMOGRAPHY

### PNEUMOGRAPHY

- UF PNEUMOGRAPHY
- RT BIOTELEMETRY
- LUNGS
- ∞ MEASUREMENT
- RADIOGRAPHY

### PNEUMONIA

- GS DISEASES
- . RESPIRATORY DISEASES
- . PNEUMONIA
- RT BACTERIAL DISEASES
- CONGESTION
- VIRAL DISEASES

### PNEUMOTHORAX

- RT DISEASES
- LUNGS

### PNEUMOTHORAX-(CONT.)

MEDICAL SCIENCE

### PNICTIDES

- USE GROUP 5A COMPOUNDS

### POCKELS EFFECT

- USE BIREFRINGENCE

### POCKET MICE

- GS ANIMALS
- . VERTEBRATES
- . MAMMALS
- . RODENTS
- . MICE
- . POCKET MICE
- RT RATS

### PODS (EXTERNAL STORES)

- GS EXTERNAL STORES
- . PODS (EXTERNAL STORES)
- RT COWLINGS
- EXTERNAL STORE SEPARATION
- FUEL TANKS
- NACELLES
- WING-FUSELAGE STORES

### POGO

- UF POLAR ORBIT GEOPHYSICAL
- OBSERVATORY
- GS ARTIFICIAL SATELLITES
- . GEOPHYSICAL SATELLITES
- . OGO
- . POGO
- . OGO-C
- . OGO-4
- . OGO-6
- OBSERVATORIES
- . GEOPHYSICAL OBSERVATORIES
- . OGO
- . POGO
- . OGO-C
- . OGO-4
- . OGO-6
- RT AGENA B ROCKET VEHICLE
- EGO

### POGO EFFECTS

- GS VIBRATION
- . POGO EFFECTS
- VIBRATION EFFECTS
- . POGO EFFECTS
- RT ∞ EFFECTS
- LONGITUDINAL STABILITY

### POHLHAUSEN METHOD

- UF POHLHAUSEN SOLUTION
- GS ANALYSIS (MATHEMATICS)
- . NUMERICAL ANALYSIS
- . APPROXIMATION
- . POHLHAUSEN METHOD
- RT LAMINAR BOUNDARY LAYER
- ∞ METHODOLOGY
- VELOCITY DISTRIBUTION
- VISCOUS FLOW

### POHLHAUSEN SOLUTION

- USE POHLHAUSEN METHOD

### POIKILOthermia

- UF COLD BLOODED ANIMALS
- GS ANIMALS
- . POIKILOthermia
- RT AMPHIBIA
- BODY TEMPERATURE
- FISHES
- INVERTEBRATES
- REPTILES

### POINCARE PROBLEM

- RT ∞ PROBLEMS

### POINCARE SPHERES

- GS SYMMETRICAL BODIES
- . BODIES OF REVOLUTION
- . SPHERES
- . POINCARE SPHERES
- RT GEOMETRY

### POINT DEFECTS

- GS DEFECTS
- . CRYSTAL DEFECTS
- . POINT DEFECTS
- . VACANCIES (CRYSTAL DEFECTS)

## POLAR RADIO BLACKOUT

- POINT DEFECTS-(CONT.)**  
 . . . . FRENKEL DEFECTS  
 RT CRYSTAL DISLOCATIONS  
 IMPURITIES  
 SURFACE DEFECTS
- POINT IMPACT**  
 GS IMPACT  
 . POINT IMPACT  
 RT ELECTRON IMPACT  
 HYPERVELOCITY IMPACT  
 ION IMPACT  
 PROTON IMPACT
- POINT MATCHING METHOD (MATHEMATICS)**  
 USE BOUNDARY VALUE PROBLEMS
- POINT SOURCES**  
 GS RADIATION SOURCES  
 . POINT SOURCES  
 RT DIFFUSE RADIATION  
 ∞ ENERGY SOURCES  
 HUYGENS PRINCIPLE  
 LIGHT SOURCES  
 SPHERICAL WAVES
- POINT SPREAD FUNCTIONS**  
 GS FUNCTIONS (MATHEMATICS)  
 . POINT SPREAD FUNCTIONS  
 RT IMAGE PROCESSING
- POINT TO POINT COMMUNICATION**  
 GS COMMUNICATING  
 . POINT TO POINT COMMUNICATION  
 . . NASCOM NETWORK  
 RT RADIO COMMUNICATION  
 TELECOMMUNICATION  
 WESTAR SATELLITES  
 WIDEBAND COMMUNICATION
- POINTERS**  
 USE DIALS
- POINTING CONTROL SYSTEMS**  
 GS FLIGHT CONTROL  
 . POINTING CONTROL SYSTEMS  
 . . ANNULAR SUSPENSION AND  
 POINTING SYSTEM  
 RT ∞ CONTROL  
 ENTRY GUIDANCE (STS)  
 GUIDANCE (MOTION)  
 SPACE FLIGHT  
 SPACECRAFT CONTROL  
 ∞ SYSTEMS
- POINTS**  
 SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT NONPOINT SOURCES  
 POINTS (MATHEMATICS)  
 POSITION (LOCATION)
- POINTS (MATHEMATICS)**  
 GS GEOMETRY  
 . EUCLIDEAN GEOMETRY  
 . . POINTS (MATHEMATICS)  
 . . . FIXED POINTS (MATHEMATICS)  
 . . . INFLECTION POINTS  
 RT FOCI  
 LOCI  
 NAKED SINGULARITIES  
 ∞ POINTS  
 RECIPROCAL THEOREMS  
 SINGULARITY (MATHEMATICS)
- POISEUILLE FLOW**  
 USE LAMINAR FLOW
- POISONING**  
 SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT BENZENE POISONING  
 BERYLLIUM POISONING  
 CARBON MONOXIDE POISONING  
 CARBON TETRACHLORIDE POISONING  
 CURARE  
 HYDROCARBON POISONING  
 INTOXICATION  
 LEAD POISONING  
 NARCOSIS  
 POISONING (REACTION INHIBITION)  
 TOXIC DISEASES
- POISONING-(CONT.)**  
 TOXIC HAZARDS
- POISONING (REACTION INHIBITION)**  
 RT CONTROL RODS  
 NEUTRON ABSORBERS  
 NUCLEAR REACTIONS  
 ∞ POISONING  
 RADIOACTIVE WASTES
- POISONING (TOXICOLOGY)**  
 USE TOXIC DISEASES
- POISONS**  
 GS POISONS  
 . CURARE  
 . ENDOTOXINS  
 . PESTICIDES  
 . . INSECTICIDES  
 . . . DIELDRIN  
 . . . PHOSGENE  
 . . . STRYCHNINE  
 RT ENVIRONMENT EFFECTS  
 ENVIRONMENT POLLUTION  
 ENVIRONMENTAL SURVEYS  
 NONPOINT SOURCES  
 POLLUTION  
 TOXICITY
- POISSON DENSITY FUNCTIONS**  
 UF POISSON PROCESS  
 GS FUNCTIONS (MATHEMATICS)  
 . POISSON DENSITY FUNCTIONS  
 STATISTICAL ANALYSIS  
 . POISSON DENSITY FUNCTIONS  
 RT CONTINUITY (MATHEMATICS)  
 DISCRETE FUNCTIONS  
 EXPONENTIAL FUNCTIONS
- POISSON EQUATION**  
 GS ANALYSIS (MATHEMATICS)  
 . REAL VARIABLES  
 . . DIFFERENTIAL EQUATIONS  
 . . . PARTIAL DIFFERENTIAL EQUATIONS  
 . . . . POISSON EQUATION  
 RT CLASSICAL MECHANICS  
 ELECTROSTATICS  
 ∞ EQUATIONS  
 ISENTROPE  
 LAPLACE EQUATION
- POISSON PROCESS**  
 USE POISSON DENSITY FUNCTIONS  
 STOCHASTIC PROCESSES
- POISSON RATIO**  
 GS MECHANICAL PROPERTIES  
 . POISSON RATIO  
 RATIOS  
 . POISSON RATIO  
 RT AIRY FUNCTION  
 COMPRESSIVE STRENGTH  
 ELASTIC PROPERTIES  
 FIBER STRENGTH  
 MODULUS OF ELASTICITY  
 NU FACTOR  
 STRESS-STRAIN DIAGRAMS  
 TENSILE STRENGTH
- POLAIRE SATELLITE**  
 USE D-2 SATELLITES
- POLAND**  
 GS NATIONS  
 . POLAND  
 RT CENTRAL EUROPE  
 EUROPE
- POLAR AURORAS**  
 USE AURORAS
- POLAR CAP ABSORPTION**  
 GS ENERGY ABSORPTION  
 . RADIATION ABSORPTION  
 . . ELECTROMAGNETIC ABSORPTION  
 . . . POLAR CAP ABSORPTION  
 . . . THERMAL ABSORPTION  
 . . . POLAR CAP ABSORPTION  
 RT ∞ ABSORPTION
- POLAR CAPS**  
 RT ANTARCTIC REGIONS  
 ARCTIC REGIONS  
 ∞ CAPS
- POLAR CAPS-(CONT.)**  
 EARTH (PLANET)  
 ICE  
 MARS (PLANET)
- POLAR COORDINATES**  
 GS COORDINATES  
 . POLAR COORDINATES  
 RT ASTRONOMICAL COORDINATES  
 PLANISPHERES  
 SMITH CHART  
 SPHERICAL COORDINATES
- POLAR CUSPS**  
 RT AERONOMY  
 ∞ CUSPS  
 EARTH MAGNETOSPHERE  
 GEOMAGNETIC LATITUDE  
 GEOMAGNETIC TAIL  
 GEOMAGNETISM  
 GEOPHYSICS  
 INTERPLANETARY SPACE  
 LINES OF FORCE  
 MAGNETIC FIELD CONFIGURATIONS  
 MAGNETIC FIELDS  
 MAGNETOPAUSE  
 PLANETARY MAGNETIC FIELDS  
 POLAR REGIONS  
 SPACE PLASMAS
- POLAR GASES**  
 GS GASES  
 . MOLECULAR GASES  
 . . POLAR GASES  
 RT CARBON DIOXIDE LASERS  
 GAS COMPOSITION  
 GAS DISCHARGES  
 GAS DYNAMICS  
 GAS LASERS  
 GAS MASERS  
 POLARIZATION (CHARGE SEPARATION)
- POLAR IONOSPHERE BEACON**  
 USE BEACON SATELLITES
- POLAR METEOROLOGY**  
 GS METEOROLOGY  
 . POLAR METEOROLOGY  
 RT AEROLOGY  
 CLIMATOLOGY  
 HYDROLOGY  
 ICE REPORTING
- POLAR NAVIGATION**  
 GS NAVIGATION  
 . POLAR NAVIGATION  
 RT AIR NAVIGATION  
 CELESTIAL NAVIGATION  
 DEAD RECKONING  
 DIGITAL NAVIGATION  
 INERTIAL NAVIGATION  
 LORAN
- POLAR ORBIT GEOPHYSICAL OBSERVATORY**  
 USE POGO
- POLAR ORBITS**  
 GS ORBITS  
 . SPACECRAFT ORBITS  
 . . SATELLITE ORBITS  
 . . . POLAR ORBITS  
 RT CIRCULAR ORBITS  
 EARTH ORBITS  
 ELLIPTICAL ORBITS  
 EQUATORIAL ORBITS  
 LUNAR ORBITS  
 LUNAR SATELLITES  
 PLANETARY ORBITS  
 SPACE STATION POLAR PLATFORMS  
 TIROS SATELLITES  
 TWENTY-FOUR HOUR ORBITS
- POLAR PLATFORMS (SPACE STATIONS)**  
 USE SPACE STATION POLAR PLATFORMS
- POLAR RADIO BLACKOUT**  
 GS ELECTROMAGNETIC INTERFERENCE  
 . RADIO FREQUENCY INTERFERENCE  
 . . BLACKOUT (PROPAGATION)  
 . . . POLAR RADIO BLACKOUT  
 RT AURORAL ZONES  
 IONOSPHERIC PROPAGATION

## POLAR REGIONS

### POLAR REGIONS

- UF HIGH LATITUDES
- GS REGIONS
  - . POLAR REGIONS
  - . . . ANTARCTIC REGIONS
  - . . . MCMURDO SOUND
  - . . . ROSS ICE SHELF
  - . . . ARCTIC REGIONS
- RT AURORAL ZONES
- CLIMATOLOGY
- GEOGRAPHY
- PERMAFROST
- POLAR CUSPS
- TEMPERATE REGIONS
- TIMBERLINE

### POLAR SUBSTORMS

- GS STORMS
  - . STORMS (METEOROLOGY)
  - . . POLAR SUBSTORMS

### POLAR WANDERING (GEOLOGY)

- UF CHANDLER MOTION
- RT EARTH AXIS
  - ∞ EARTH MOTION
  - EARTH ORIENTATION
  - GEODESY
  - NUTATION
  - PERIODIC VARIATIONS
  - PRECESSION

### POLARIMETERS

- UF SPECTROPOLARIMETERS
- GS MEASURING INSTRUMENTS
  - . OPTICAL MEASURING INSTRUMENTS
  - . . POLARIMETERS
  - . . . OPTICAL EQUIPMENT
  - . . . OPTICAL MEASURING INSTRUMENTS
  - . . . POLARIMETERS
- RT CHEMICAL ANALYSIS
- ELLIPSOMETERS
- OPTICAL MEASUREMENT
- PHOTOMETERS
- POLARIMETRY
- POLARISCOPES
- POLARIZERS
- POLAROGRAPHY
- SOLAR MAXIMUM MISSION

### POLARIMETRY

- GS OPTICAL MEASUREMENT
  - . POLARIMETRY
- RT OPTICAL ACTIVITY
  - ∞ OPTICAL MEASURING INSTRUMENTS
  - PHOTOMETRY
  - POLARIMETERS
  - POLARIZATION (WAVES)

### POLARIS A1 MISSILE

- GS MISSILES
  - . BALLISTIC MISSILES
  - . . INTERMEDIATE RANGE BALLISTIC MISSILES
  - . . . POLARIS MISSILES
  - . . . . POLARIS A1 MISSILE
  - . . . SURFACE TO SURFACE MISSILES
  - . . . FLEET BALLISTIC MISSILES
  - . . . . POLARIS A1 MISSILE
  - . . . INTERMEDIATE RANGE BALLISTIC MISSILES
  - . . . . POLARIS MISSILES
  - . . . . . POLARIS A1 MISSILE

### POLARIS A2 MISSILE

- GS MISSILES
  - . BALLISTIC MISSILES
  - . . INTERMEDIATE RANGE BALLISTIC MISSILES
  - . . . POLARIS MISSILES
  - . . . . POLARIS A2 MISSILE
  - . . . SURFACE TO SURFACE MISSILES
  - . . . FLEET BALLISTIC MISSILES
  - . . . . POLARIS A2 MISSILE
  - . . . INTERMEDIATE RANGE BALLISTIC MISSILES
  - . . . . POLARIS MISSILES
  - . . . . . POLARIS A2 MISSILE

### POLARIS A3 MISSILE

- GS MISSILES
  - . BALLISTIC MISSILES
  - . . INTERMEDIATE RANGE BALLISTIC MISSILES
  - . . . POLARIS MISSILES
  - . . . . POLARIS A3 MISSILE

### POLARIS A3 MISSILE-(CONT.)

- . SURFACE TO SURFACE MISSILES
- . . FLEET BALLISTIC MISSILES
- . . . POLARIS A3 MISSILE
- . . . . INTERMEDIATE RANGE BALLISTIC MISSILES
- . . . . . POLARIS MISSILES
- . . . . . POLARIS A3 MISSILE

### POLARIS MISSILES

- GS MISSILES
  - . BALLISTIC MISSILES
  - . . INTERMEDIATE RANGE BALLISTIC MISSILES
  - . . . POLARIS MISSILES
  - . . . . POLARIS A1 MISSILE
  - . . . . POLARIS A2 MISSILE
  - . . . . POLARIS A3 MISSILE
  - . . . SURFACE TO SURFACE MISSILES
  - . . . . INTERMEDIATE RANGE BALLISTIC MISSILES
  - . . . . . POLARIS MISSILES
  - . . . . . POLARIS A1 MISSILE
  - . . . . . POLARIS A2 MISSILE
  - . . . . . POLARIS A3 MISSILE
- RT MULTISTAGE ROCKET VEHICLES
- SOLID PROPELLANT ROCKET ENGINES
- XM-33 ENGINE

### POLARIS SUBMARINES

- USE GUIDED MISSILE SUBMARINES

### POLARISCOPES

- GS MEASURING INSTRUMENTS
  - . POLARISCOPES
  - . . SENARMONT POLARISCOPES
  - . . . OPTICAL EQUIPMENT
  - . . . POLARISCOPES
  - . . . . SENARMONT POLARISCOPES
- RT OPTICAL MEASURING INSTRUMENTS
- POLARIMETERS
- POLARIZATION (WAVES)
- POLARIZERS

### POLARITONS

- GS POLARITONS
  - . PLASMONS

### POLARITY

- RT ∞ DIPOLES
  - ELECTRIC CHARGE
  - ELECTRIC FIELDS
  - MAGNETIC FIELDS
  - MAGNETIC POLES
  - POLARIZATION (CHARGE SEPARATION)
  - POLARIZATION (SPIN ALIGNMENT)
  - QUADRUPOLES

### ∞ POLARIZATION

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)*
- RT ANTIFERROELECTRICITY
- BIPOLARITY
- LINEAR POLARIZATION
- MAGNETIZATION
- OVERHAUSER EFFECT
- PHOTOELASTIC ANALYSIS
- POLARIZATION (CHARGE SEPARATION)
- POLARIZATION (SPIN ALIGNMENT)
- POLARIZATION (WAVES)
- POLARIZED RADIATION

### POLARIZATION (CHARGE SEPARATION)

- UF CHARGE SEPARATION
- GS POLARIZATION (CHARGE SEPARATION)
  - . DIELECTRIC POLARIZATION
  - . ELECTROLYTIC POLARIZATION
- RT CHARGE DISTRIBUTION
- CHARGE TRANSFER
- DEACTIVATION
- DEPOLARIZATION
- ELECTRETS
- ELECTRIC CHARGE
- ELECTRIC MOMENTS
- ELECTRODE FILM BARRIERS
- ELECTROMIGRATION
- HALL EFFECT
- IONOSPHERIC DRIFT
- MAGNETIZATION
- OVERVOLTAGE
- POLAR GASES
- POLARITY
- ∞ POLARIZATION
- PYROELECTRICITY

### POLARIZATION (CHARGE-(CONT.))

- ∞ SEPARATION
- TAFEL LAW

### POLARIZATION (SPIN ALIGNMENT)

- RT ALIGNMENT
- ANISOTROPY
- DEACTIVATION
- MAGNETIC PROPERTIES
- MAGNETIZATION
- ∞ ORIENTATION
- POLARITY
- ∞ POLARIZATION
- ROTATION
- SPIN TESTS

### POLARIZATION (WAVES)

- UF POLARIZATION CHARTS
- GS POLARIZATION (WAVES)
  - . CIRCULAR POLARIZATION
  - . CROSS POLARIZATION
  - . ELLIPTICAL POLARIZATION
  - . LINEAR POLARIZATION
- RT ANISOTROPIC MEDIA
- ANISOTROPY
- BIREFRINGENCE
- BL LACERTAE OBJECTS
- COLLIMATION
- ELECTROMAGNETIC PROPERTIES
- FARADAY EFFECT
- KERR ELECTROOPTICAL EFFECT
- KERR MAGNETOOPTICAL EFFECT
- MAGNETO-OPTICS
- MONOCHROMATIZATION
- OPTICAL COUPLING
- OPTICAL PROPERTIES
- ∞ ORIENTATION
- PHOTOELASTIC ANALYSIS
- POLARIMETRY
- POLARISCOPES
- ∞ POLARIZATION
- POLARIZED ELECTROMAGNETIC RADIATION
- RADIATION
- POLARIZERS
- POLARONS
- REFRACTIVITY
- ROTATION

### POLARIZATION CHARACTERISTICS

- GS MAGNETIC PROPERTIES
  - . POLARIZATION CHARACTERISTICS
- RT BREWSTER ANGLE
  - ∞ CHARACTERISTICS
  - POLARIZED RADIATION

### POLARIZATION CHARTS

- USE GRAPHS (CHARTS)
- POLARIZATION (WAVES)

### POLARIZED ELASTIC WAVES

- GS ELASTIC WAVES
  - . POLARIZED ELASTIC WAVES
  - . . POLARIZED RADIATION
  - . . . POLARIZED ELASTIC WAVES
- RT S WAVES
- SEISMIC WAVES
- SOUND WAVES

### POLARIZED ELECTROMAGNETIC RADIATION

- GS ELECTROMAGNETIC RADIATION
  - . POLARIZED ELECTROMAGNETIC RADIATION
  - . . POLARIZED LIGHT
  - . . . SYNCHROTRON RADIATION
  - . . . POLARIZED RADIATION
  - . . . . POLARIZED ELECTROMAGNETIC RADIATION
  - . . . . . POLARIZED LIGHT
  - . . . . . SYNCHROTRON RADIATION
  - . . . . . CROSS POLARIZATION
  - . . . . . EXTRATERRESTRIAL RADIATION
  - . . . . . FARADAY EFFECT
  - . . . . . INFRARED RADIATION
  - . . . . . KERR CELLS
  - . . . . . LIGHT (VISIBLE RADIATION)
  - . . . . . LINEAR POLARIZATION
  - . . . . . LYMAN ALPHA RADIATION
  - . . . . . LYMAN BETA RADIATION
  - . . . . . MAGNETO-OPTICS
  - . . . . . MONOCHROMATIC RADIATION
  - . . . . . POLARIZATION (WAVES)
  - . . . . . POLARIZERS
  - . . . . . ∞ RADIATION
  - . . . . . RADIATIVE TRANSFER
  - . . . . . RADIO WAVES
- RT

## POLONIUM ISOTOPES

### POLARIZED ELECTROMAGNETIC-(CONT.)

STELLAR RADIATION  
ULTRAVIOLET RADIATION

### POLARIZED LIGHT

GS ELECTROMAGNETIC RADIATION  
.. LIGHT (VISIBLE RADIATION)  
.. **POLARIZED LIGHT**  
.. POLARIZED ELECTROMAGNETIC RADIATION  
.. **POLARIZED LIGHT**  
POLARIZED RADIATION  
.. POLARIZED ELECTROMAGNETIC RADIATION  
.. **POLARIZED LIGHT**  
RT GEGENSCHN  
KERR MAGNETOOPTICAL EFFECT  
MONOCHROMATIC RADIATION  
OPTICAL ACTIVITY  
OPTICAL DEPOLARIZATION  
OPTICAL POLARIZATION  
PHOTOELASTICITY  
ZODIACAL LIGHT

### POLARIZED RADIATION

GS **POLARIZED RADIATION**  
.. POLARIZED ELASTIC WAVES  
.. POLARIZED ELECTROMAGNETIC RADIATION  
.. POLARIZED LIGHT  
.. SYNCHROTRON RADIATION  
RT CAUSTICS (OPTICS)  
ELASTIC WAVES  
ELECTROMAGNETIC RADIATION  
EXTRATERRESTRIAL RADIATION  
LINEAR POLARIZATION  
PLASMA RADIATION  
∞ POLARIZATION  
∞ POLARIZATION CHARACTERISTICS  
∞ RADIATION  
∞ RAYS

### POLARIZERS

RT KERR CELLS  
LIGHT (VISIBLE RADIATION)  
OPTICAL POLARIZATION  
POLARIMETERS  
POLARISCOPES  
POLARIZATION (WAVES)  
POLARIZED ELECTROMAGNETIC RADIATION

### POLAROGRAPHYS

USE POLAROGRAPHY

### POLAROGRAPHY

UF POLAROGRAPHYS  
GS ELECTRICAL MEASUREMENT  
.. **POLAROGRAPHY**  
RT CHEMICAL ANALYSIS  
OPTICAL POLARIZATION  
POLARIMETERS  
QUANTITATIVE ANALYSIS

### POLARONS

GS ELEMENTARY EXCITATIONS  
.. **POLARONS**  
RT CONDUCTION BANDS  
CROSS POLARIZATION  
ELECTRON PHONON INTERACTIONS  
IONIC CRYSTALS  
PHONONS  
PLASMONS  
POLARIZATION (WAVES)

### ∞ POLES

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
RT ∞ DIPOLES  
MAGNETIC DIPOLES  
MAGNETIC POLES  
MONOPOLES  
POLES (SUPPORTS)  
REGGE POLES

### POLES (SUPPORTS)

RT ELECTRIC POWER TRANSMISSION  
∞ POLES

### POLICE

GS PERSONNEL  
.. **POLICE**  
RT COMMUNITIES

### POLICE-(CONT.)

CRIME  
REGULATIONS  
SECURITY  
SOCIAL FACTORS  
VIOLENCE

### POLICIES

GS **POLICIES**  
.. ENERGY POLICY  
.. PATENT POLICY  
.. PROCUREMENT POLICY  
RT COPYRIGHTS  
GOVERNMENTS  
LICENSING  
PROHIBITION  
REGULATIONS  
RULES

### POLIOMYELITIS

GS DISEASES  
.. INFECTIOUS DISEASES  
.. VIRAL DISEASES  
... **POLIOMYELITIS**

### POLISH TS-11 AIRCRAFT

USE TS-11 AIRCRAFT

### POLISHED METALS

USE METAL POLISHING

### POLISHING

GS **POLISHING**  
.. METAL POLISHING  
.. ELECTROPOLISHING  
.. VIBRATORY POLISHING  
RT ABRASION  
CLEANING  
FINISHES  
GRINDING (MATERIAL REMOVAL)  
METALLOGRAPHY  
SMOOTHING  
SURFACE FINISHING  
ULTRASONIC CLEANING

### POLITICS

RT AIR LAW  
COMMUNITIES  
CULTURE (SOCIAL SCIENCES)  
GOVERNMENTS  
INTERNATIONAL COOPERATION  
INTERNATIONAL LAW  
LAW (JURISPRUDENCE)  
NATIONS  
REGIMES  
SOCIOLOGY  
SOVEREIGNTY  
UNITED NATIONS  
VOTING  
WARFARE

### POLLEN

GS PARTICLES  
.. **POLLEN**  
RT AEROBIOLOGY  
AIR POLLUTION  
DUST  
PLANTS (BOTANY)  
∞ REPRODUCTION

### POLLUTANTS

USE CONTAMINANTS

### POLLUTION

GS **POLLUTION**  
.. ENVIRONMENT POLLUTION  
.. AIR POLLUTION  
.. GLOBAL AIR POLLUTION  
.. INDOOR AIR POLLUTION  
.. WATER POLLUTION  
.. OIL POLLUTION  
.. NOISE POLLUTION  
.. THERMAL POLLUTION  
RT CLEAN FUELS  
CONTAMINANTS  
CONTAMINATION  
DEBRIS  
DECONTAMINATION  
DISSIPATION  
ELIMINATION  
ENDANGERED SPECIES  
ENERGY POLICY  
ENVIRONMENT EFFECTS  
ENVIRONMENT PROTECTION

### POLLUTION-(CONT.)

ENVIRONMENTAL QUALITY  
ENVIRONMENTAL SURVEYS  
HUMAN WASTES  
METABOLIC WASTES  
MICROCYSTIS  
MICROORGANISMS  
NONPOINT SOURCES  
OIL SLICKS  
POISONS  
PREVENTION  
PUBLIC HEALTH  
PURITY  
QUALITY  
RADIOACTIVE WASTES  
SMOKE ABATEMENT  
SOLID WASTES  
TOXICOLOGY  
WASTE DISPOSAL  
WASTES  
WATER  
WATER RECLAMATION  
WATER TREATMENT

### POLLUTION CONTROL

RT AIR QUALITY  
BIOCHEMICAL OXYGEN DEMAND  
∞ CONTROL  
DEWATERING  
ENVIRONMENTAL SURVEYS  
FLUE GASES  
FLY ASH  
PARTICULATES

### POLLUTION MONITORING

RT AIR POLLUTION  
AIR QUALITY  
AMBIENCE  
ENVIRONMENT POLLUTION  
GLOBAL AIR POLLUTION  
GROUND STATIONS  
MONITORS  
PARTICULATES  
WARNING SYSTEMS  
WATER POLLUTION

### POLLUTION TRANSPORT

UF ATMOSPHERIC LOADING  
RT AEROSOLS  
AIR POLLUTION  
ATMOSPHERIC CIRCULATION  
ATMOSPHERIC DIFFUSION  
COMBUSTION PRODUCTS  
DISPERSING  
ENVIRONMENT POLLUTION  
EXHAUST EMISSION  
EXHAUST GASES  
GAS TRANSPORT  
GASEOUS DIFFUSION  
GLOBAL AIR POLLUTION  
PLUMES  
THERMAL POLLUTION  
TRACE CONTAMINANTS  
TRANSPORT PROPERTIES  
TRANSPORT THEORY  
WATER CIRCULATION  
WATER POLLUTION

### POLOIDAL FLUX

RT MAGNETIC FIELD CONFIGURATIONS  
TOKAMAK DEVICES  
TOROIDAL PLASMAS

### POLONIUM

GS CHEMICAL ELEMENTS  
.. METALLOIDS  
.. **POLONIUM**  
... POLONIUM ISOTOPES  
... POLONIUM 208  
... POLONIUM 209  
... POLONIUM 210  
RT METALS

### POLONIUM COMPOUNDS

RT ∞ CHEMICAL COMPOUNDS  
∞ GROUP 6A COMPOUNDS

### POLONIUM ISOTOPES

GS CHEMICAL ELEMENTS  
.. METALLOIDS  
.. **POLONIUM**  
... **POLONIUM ISOTOPES**  
... POLONIUM 208  
... POLONIUM 209  
... POLONIUM 210

## POLONIUM 208

### POLONIUM ISOTOPES-(CONT.)

- . NUCLIDES
- . ISOTOPES
- . . . . . **POLONIUM ISOTOPES**
- . . . . . POLONIUM 208
- . . . . . POLONIUM 209
- . . . . . POLONIUM 210
- RT METALS

### POLONIUM 208

- GS CHEMICAL ELEMENTS
- . METALLOIDS
- . . . . . POLONIUM
- . . . . . POLONIUM ISOTOPES
- . . . . . **POLONIUM 208**
- . . . . . NUCLIDES
- . . . . . ISOTOPES
- . . . . . POLONIUM ISOTOPES
- . . . . . **POLONIUM 208**
- . . . . . RADIOACTIVE ISOTOPES
- . . . . . **POLONIUM 208**
- RT METALS

### POLONIUM 209

- GS CHEMICAL ELEMENTS
- . METALLOIDS
- . . . . . POLONIUM
- . . . . . POLONIUM ISOTOPES
- . . . . . **POLONIUM 209**
- . . . . . NUCLIDES
- . . . . . ISOTOPES
- . . . . . POLONIUM ISOTOPES
- . . . . . **POLONIUM 209**
- . . . . . RADIOACTIVE ISOTOPES
- . . . . . **POLONIUM 209**
- RT METALS

### POLONIUM 210

- GS CHEMICAL ELEMENTS
- . METALLOIDS
- . . . . . POLONIUM
- . . . . . POLONIUM ISOTOPES
- . . . . . **POLONIUM 210**
- . . . . . NUCLIDES
- . . . . . ISOTOPES
- . . . . . POLONIUM ISOTOPES
- . . . . . **POLONIUM 210**
- . . . . . RADIOACTIVE ISOTOPES
- . . . . . **POLONIUM 210**
- RT METALS

### POLYACETYLENE

- RT SEMICONDUCTORS (MATERIALS)

### POLYACRYLATES

- USE ACRYLIC RESINS

### POLYAMIDE RESINS

- UF NYLON RESINS
- GS PLASTICS
- . SYNTHETIC RESINS
- . . . . . THERMOSETTING RESINS
- . . . . . FURAN RESINS
- . . . . . **POLYAMIDE RESINS**
- . . . . . KEVLAR (TRADEMARK)
- RESINS
- . SYNTHETIC RESINS
- . . . . . THERMOSETTING RESINS
- . . . . . FURAN RESINS
- . . . . . **POLYAMIDE RESINS**
- . . . . . KEVLAR (TRADEMARK)

### POLYATOMIC GASES

- GS GASES
- . MOLECULAR GASES
- . . . . . **POLYATOMIC GASES**
- . . . . . DIATOMIC GASES

### POLYATOMIC MOLECULES

- GS MOLECULES
- . **POLYATOMIC MOLECULES**
- . . . . . DIATOMIC MOLECULES
- . . . . . TRIATOMIC MOLECULES
- RT ATOMS
- . CHEMICAL BONDS
- . . . . . CHEMICAL COMPOUNDS
- . . . . . IONS
- . . . . . MOLECULAR STRUCTURE
- . . . . . MOLECULAR WEIGHT
- . . . . . POSITIVE IONS

### POLYBENZIMIDAZOLE

- RT SYNTHETIC FIBERS

### POLYBROMINATED BIPHENYLS

- UF PBB
- GS PHENYLS
- . **POLYBROMINATED BIPHENYLS**
- . . . . . TOXINS AND ANTITOXINS
- . . . . . **POLYBROMINATED BIPHENYLS**
- RT BROMINE COMPOUNDS
- . FLAME RETARDANTS
- . . . . . POLYCHLORINATED BIPHENYLS

### POLYBUTADIENE

- GS ORGANIC COMPOUNDS
- . HYDROCARBONS
- . . . . . ALIPHATIC HYDROCARBONS
- . . . . . DIENES
- . . . . . **POLYBUTADIENE**
- PLASTICS
- . **POLYBUTADIENE**
- RT ADDITION RESINS
- . BUTADIENE
- . . . . . HTPB PROPELLANTS
- . . . . . SYNTHETIC RUBBERS

### POLYBUTADIENE TETRANITRAMINE

- GS NITROGEN COMPOUNDS
- . NITRO COMPOUNDS
- . . . . . **POLYBUTADIENE TETRANITRAMINE**
- RT PLASTIC PROPELLANTS

### POLYCARBONATES

- GS CARBON COMPOUNDS
- . CARBONATES
- . . . . . **POLYCARBONATES**
- . . . . . LEXAN (TRADEMARK)
- ESTERS
- . **POLYCARBONATES**
- . . . . . LEXAN (TRADEMARK)
- RT ∞ POLYMERS

### POLYCHLORINATED BIPHENYLS

- UF PCB
- GS PHENYLS
- . **POLYCHLORINATED BIPHENYLS**
- RT POLYBROMINATED BIPHENYLS

### POLYCRYSTALS

- GS CRYSTALS
- . **POLYCRYSTALS**
- RT BICRYSTALS
- . CRYSTAL STRUCTURE
- . . . . . SINGLE CRYSTALS

### POLYCYTHEMIA

- RT HEMOGLOBIN
- . HEMOLYSIS
- . . . . . HEMORRHAGES
- . . . . . SPLEEN

### POLYESTER RESINS

- GS PLASTICS
- . SYNTHETIC RESINS
- . . . . . **POLYESTER RESINS**
- RESINS
- . SYNTHETIC RESINS
- . . . . . **POLYESTER RESINS**
- RT DACRON (TRADEMARK)
- . THERMOSETTING RESINS

### POLYESTERS

- GS ESTERS
- . **POLYESTERS**
- RT ∞ POLYMERS
- . SYNTHETIC FIBERS

### POLYETHER RESINS

- GS PLASTICS
- . SYNTHETIC RESINS
- . . . . . **POLYETHER RESINS**
- . . . . . PEEK
- . . . . . POLYMETHYL METHACRYLATE
- RESINS
- . SYNTHETIC RESINS
- . . . . . **POLYETHER RESINS**
- . . . . . PEEK
- . . . . . POLYMETHYL METHACRYLATE
- RT VULCANIZED ELASTOMERS

### POLYETHERETHERKETONES

- USE PEEK

### POLYETHYLENE TEREPHTHALATE

- GS ESTERS
- . **POLYETHYLENE TEREPHTHALATE**
- PLASTICS

### POLYETHYLENE TEREPHTHALATE-(CONT.)

- . POLYETHYLENES
- . . . . . **POLYETHYLENE TEREPHTHALATE**
- TEREPHTHALATE
- . **POLYETHYLENE TEREPHTHALATE**
- RT ADDITION RESINS
- . MYLAR (TRADEMARK)
- ∞ POLYMERS

### POLYETHYLENES

- GS PLASTICS
- . **POLYETHYLENES**
- . . . . . **POLYETHYLENE TEREPHTHALATE**
- RT ADDITION RESINS
- . ETHYLENE
- . . . . . SYNTHETIC RESINS
- . . . . . THERMOPLASTIC RESINS

### POLYGONIZATION

- RT CRYSTAL DEFECTS
- . CRYSTAL GROWTH
- . . . . . RECRYSTALLIZATION

### POLYGONS

- GS GEOMETRY
- . EUCLIDEAN GEOMETRY
- . . . . . **POLYGONS**
- . . . . . HEXAGONS
- . . . . . TETRAGONS
- . . . . . PARALLELOGRAMS
- . . . . . RHOMBOIDS
- . . . . . RECTANGLES
- . . . . . SQUARES (MATHEMATICS)
- . . . . . TRAPEZOIDS
- . . . . . TRIANGLES
- RT POLYTOPES

### POLYHEDRONS

- GS GEOMETRY
- . EUCLIDEAN GEOMETRY
- . . . . . **POLYHEDRONS**
- . . . . . CUBES (MATHEMATICS)
- . . . . . ICOSAHEDRONS
- . . . . . OCTAHEDRONS
- . . . . . PARALLELEPIPEDS
- . . . . . PYRAMIDS
- . . . . . RHOMBOHEDRONS
- . . . . . TETRAHEDRONS
- RT POLYTOPES

### POLYIMIDE RESINS

- GS RESINS
- . **POLYIMIDE RESINS**
- RT BISMALIMIDE
- . POLYIMIDES
- . . . . . RESIN MATRIX COMPOSITES

### POLYIMIDES

- GS NITROGEN COMPOUNDS
- . AMIDES
- . . . . . **POLYIMIDES**
- . . . . . BISMALIMIDE
- RT POLYIMIDE RESINS

### POLYISOBUTYLENE

- GS PLASTICS
- . **POLYISOBUTYLENE**
- RT ADDITION RESINS
- . SYNTHETIC RUBBERS

### POLYISOPRENES

- RT ∞ POLYMERS
- . RUBBER
- . . . . . SYNTHETIC RUBBERS

### POLYMER CHEMISTRY

- RT BIOPOLYMER DENATURATION
- ∞ CHEMISTRY
- . GLASS TRANSITION TEMPERATURE
- . . . . . PHOSPHAZENE
- . . . . . POLYMER PHYSICS
- ∞ POLYMERS
- . . . . . POLYMER

### POLYMER MATRIX COMPOSITES

- GS COMPOSITE MATERIALS
- . **POLYMER MATRIX COMPOSITES**
- . . . . . EPOXY MATRIX COMPOSITES
- . . . . . BORON-EPOXY COMPOSITES
- . . . . . GRAPHITE-POLYIMIDE COMPOSITES
- . . . . . REINFORCED PLASTICS
- . . . . . CARBON FIBER REINFORCED
- . . . . . PLASTICS

## POLYURETHANE FOAM

### POLYMER MATRIX COMPOSITES-(CONT.)

- ... GLASS FIBER REINFORCED PLASTICS
- ... MICARTA
- RT BISMALEIMIDE
- BORON FIBERS
- ∞ CONSTRUCTION MATERIALS
- FIBER COMPOSITES
- LAMINATES
- ∞ MATERIALS
- ∞ MATRICES
- MATRIX MATERIALS
- PEEK
- ∞ POLYMERS
- PULTRUSION
- RESIN MATRIX COMPOSITES

### POLYMER PHYSICS

- RT GLASS TRANSITION TEMPERATURE
- ∞ PHYSICS
- POLYMER CHEMISTRY
- ∞ POLYMERS
- POLYMER WATER
- ∞ SCIENCE

### POLYMERIC FILMS

- UF PLASTIC FILMS
- GS POLYMERIC FILMS
- ... KAPTON (TRADEMARK)
- ... MYLAR (TRADEMARK)
- RT CASTING
- FIBERS
- ∞ FILMS
- NYLON (TRADEMARK)
- PHOTOGRAPHIC FILM
- PLASTIC COATINGS
- ∞ SHEETS

### POLYMERIZATION

- GS SYNTHESIS (CHEMISTRY)
- ... POLYMERIZATION
- ... COPOLYMERIZATION
- ... DIMERIZATION
- RT CHEMICAL REACTIONS
- COUPLED MODES
- DEPOLYMERIZATION
- QUINOXALINES
- REFINING
- ∞ SETTING
- ZIEGLER CATALYST

### ∞ POLYMERS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT BIOPOLYMERS
- CELLOPHANE
- COORDINATION POLYMERS
- COPOLYMERIZATION
- COPOLYMERS
- ELASTOMERS
- FLUOROPOLYMERS
- FORMICA
- HIGH POLYMERS
- KAPTON (TRADEMARK)
- KEL-F
- LEXAN (TRADEMARK)
- LIGNIN
- METALLOSILOXANE POLYMER
- METALLOXANE POLYMER
- METHYL POLYSILOXANE
- MICARTA
- MONOMERS
- MYLAR (TRADEMARK)
- NITROGEN POLYMERS
- NYLON (TRADEMARK)
- ORGANIC MATERIALS
- ORGANOMETALLIC POLYMERS
- PHOSPHORUS POLYMERS
- PLASTICS
- POLYCARBONATES
- POLYESTERS
- POLYETHYLENE TEREPHTHALATE
- POLYISOPRENES
- POLYMER CHEMISTRY
- POLYMER MATRIX COMPOSITES
- POLYMER PHYSICS
- POLYQUINOXALINES
- POLYTETRAFLUOROETHYLENE
- POLYURETHANE FOAM
- POLYVINYL FLUORIDE
- PREPOLYMERS
- PYRRONES (TRADEMARK)
- SILICON POLYMERS
- SILICONES

### POLYMERS-(CONT.)

- SILOXANES
- SOLITHANES
- STYROFOAM (TRADEMARK)
- SYNTHETIC RESINS
- TEFLON (TRADEMARK)
- VINYL COPOLYMERS
- VINYL POLYMERS

### POLYMETHYL METHACRYLATE

- UF LUCITE (TRADEMARK)
- PLEXIGLASS (TRADEMARK)
- GS PLASTICS
- ... SYNTHETIC RESINS
- ... POLYETHER RESINS
- ... POLYMETHYL METHACRYLATE RESINS
- ... SYNTHETIC RESINS
- ... POLYETHER RESINS
- ... POLYMETHYL METHACRYLATE

### POLYMORPHISM

- GS MORPHOLOGY
- ... POLYMORPHISM
- RT ALLOTROPY
- CRYSTAL LATTICES
- CRYSTAL STRUCTURE
- ∞ PHYSICAL PROPERTIES

### POLYNOMIALS

- GS ALGEBRA
- ... POLYNOMIALS
- ... BINOMIALS
- ... DYADICS
- ... HERMITIAN POLYNOMIAL
- RT COEFFICIENTS
- CUBIC EQUATIONS
- EIGENVALUES
- EIGENVECTORS
- ∞ EQUATIONS
- LINEAR EQUATIONS
- NONLINEAR EQUATIONS
- QUADRATIC EQUATIONS
- ROOTS OF EQUATIONS

### POLYNUCLEAR ORGANIC COMPOUNDS

- GS ORGANIC COMPOUNDS
- ... POLYNUCLEAR ORGANIC COMPOUNDS
- RT AIR POLLUTION
- ∞ CHEMICAL COMPOUNDS
- PETROLEUM PRODUCTS
- PURIFICATION

### POLYNUCLEOTIDES

- GS ORGANIC COMPOUNDS
- ... NUCLEOTIDES
- ... POLYNUCLEOTIDES
- PHOSPHORUS COMPOUNDS
- PHOSPHATES
- ... POLYNUCLEOTIDES
- RT BIOPOLYMERS
- PROTEINS
- RIBONUCLEIC ACIDS

### POLYOT SATELLITES

- GS ARTIFICIAL SATELLITES
- ... POLYOT SATELLITES

### POLYPEPTIDES

- GS ORGANIC COMPOUNDS
- ... PEPTIDES
- ... POLYPEPTIDES
- ... GLUTATHIONE
- ... HYPERTENSIN
- RT AMINO ACIDS
- BIOPOLYMERS
- PROTEINS

### POLYPHENYL ETHER

- GS ETHERS
- ... POLYPHENYL ETHER

### POLYPHENYLS

- GS PHENYLS
- ... POLYPHENYLS
- ... TETRAPHENYLS
- ... TRIPHENYLS

### POLYPROPYLENE

- GS PLASTICS
- ... POLYPROPYLENE
- RT ADDITION RESINS
- SYNTHETIC RESINS

### POLYQUINOXALINES

- RT ∞ CHEMICAL COMPOUNDS
- ∞ POLYMERS

### POLYSACCHARIDES

- GS ORGANIC COMPOUNDS
- ... CARBOHYDRATES
- ... POLYSACCHARIDES
- ... CELLULOSE
- ... FORTISAN (TRADEMARK)
- ... CHITIN
- ... DEXTRANS
- ... GLYCOGENS
- ... STARCHES
- RT GUMS (SUBSTANCES)

### POLYSLIPS

- RT ∞ SLIP

### POLYSTATION DOPPLER TRACKING SYSTEM

- GS STATIONS
- ... GROUND STATIONS
- ... POLYSTATION DOPPLER TRACKING SYSTEM
- ... TRACKING STATIONS
- ... POLYSTATION DOPPLER TRACKING SYSTEM
- TRACKING (POSITION)
- ... POLYSTATION DOPPLER TRACKING SYSTEM
- TRACKING NETWORKS
- ... POLYSTATION DOPPLER TRACKING SYSTEM
- RT DOPPLER RADAR
- MISSILE TRACKING
- PULSE RADAR
- RADAR NETWORKS
- SATELLITE DOPPLER POSITIONING
- SPACE DETECTION AND TRACKING SYSTEM
- SPACECRAFT TRACKING
- ∞ SYSTEMS

### POLYSTYRENE

- GS PLASTICS
- ... POLYSTYRENE
- ... STYROFOAM (TRADEMARK)
- STYRENES
- ... POLYSTYRENE
- ... STYROFOAM (TRADEMARK)
- RT ADDITION RESINS
- SANTOWAX (TRADEMARK)
- SYNTHETIC RESINS
- THERMOPLASTIC RESINS

### POLYSULFIDES

- GS CHALCOGENIDES
- ... SULFIDES
- ... INORGANIC SULFIDES
- ... POLYSULFIDES
- SULFUR COMPOUNDS
- ... SULFIDES
- ... INORGANIC SULFIDES
- ... POLYSULFIDES
- RT COMPOSITE PROPELLANTS

### POLYTETRAFLUOROETHYLENE

- GS HALOGEN COMPOUNDS
- ... FLUORINE COMPOUNDS
- ... FLUORO COMPOUNDS
- ... DIFLUORO COMPOUNDS
- ... POLYTETRAFLUOROETHYLENE
- ... TEFLON (TRADEMARK)
- PLASTICS
- ... POLYTETRAFLUOROETHYLENE
- ... TEFLON (TRADEMARK)
- RT ∞ POLYMERS
- SYNTHETIC RESINS

### POLYTOPES

- RT ANALYTIC GEOMETRY
- EUCLIDEAN GEOMETRY
- HYPERPLANES
- POLYGONS
- POLYHEDRONS

### POLYTROPIC PROCESSES

- RT ADIABATIC CONDITIONS
- ∞ ISOBARS
- THERMODYNAMICS

### POLYURETHANE FOAM

- RT FOAMS
- LOW DENSITY MATERIALS



## POLYURETHANE RESINS

**POLYURETHANE FOAM-(CONT.)**  
 ∞ POLYMERS  
 SOILS  
 SPONGES (MATERIALS)

**POLYURETHANE RESINS**  
 GS RESINS  
 . **POLYURETHANE RESINS**  
 RT COMPOSITE PROPELLANTS

**POLYVINYL ALCOHOL**  
 GS HYDROXYL COMPOUNDS  
 . ALCOHOLS  
 . **POLYVINYL ALCOHOL**  
 PLASTICS  
 . **POLYVINYL ALCOHOL**  
 RT ADDITION RESINS  
 SYNTHETIC RESINS  
 VINYL POLYMERS

**POLYVINYL CHLORIDE**  
 UF GEON (TRADEMARK)  
 GS PLASTICS  
 . **POLYVINYL CHLORIDE**  
 RT ADDITION RESINS  
 CHLORIDES  
 SYNTHETIC RESINS  
 TETRAHYDROFURAN  
 VINYL POLYMERS

**POLYVINYL FLUORIDE**  
 UF TEDLAR (TRADEMARK)  
 GS HALOGEN COMPOUNDS  
 . FLUORINE COMPOUNDS  
 . FLUORIDES  
 . . . **POLYVINYL FLUORIDE**  
 ORGANIC COMPOUNDS  
 . FLUORINE ORGANIC COMPOUNDS  
 . FLUOROPOLYMERS  
 . . . **POLYVINYL FLUORIDE**  
 PLASTICS  
 . **POLYVINYL FLUORIDE**  
 VINYL POLYMERS  
 . **POLYVINYL FLUORIDE**  
 RT ∞ POLYMERS

**POLYMER WATER**  
 GS WATER  
 . **POLYMER WATER**  
 RT ATOMIC STRUCTURE  
 CHEMICAL BONDS  
 MOLECULAR STRUCTURE  
 POLYMER CHEMISTRY  
 POLYMER PHYSICS

**POMERANCHUK THEOREM**  
 GS THEOREMS  
 . **POMERANCHUK THEOREM**  
 RT ANTIPARTICLES  
 DEUTERONS  
 DIFFRACTION PATTERNS  
 EIKONAL EQUATION  
 ELASTIC SCATTERING  
 ELECTRONS  
 ELEMENTARY PARTICLES  
 FIELD THEORY (PHYSICS)  
 FREDHOLM EQUATIONS  
 GLAUBER THEORY  
 HIGH ENERGY INTERACTIONS  
 KAONS  
 MESONS  
 NUCLEON-NUCLEON SCATTERING  
 POMERONS  
 REGGE POLES  
 SCATTERING CROSS SECTIONS

**POMERONS**  
 RT NUCLEAR REACTIONS  
 POMERANCHUK THEOREM  
 PROTON-PROTON REACTIONS  
 REGGE POLES  
 SCATTERING CROSS SECTIONS

**PONDEROMOTIVE FORCES**  
 GS ELECTROMOTIVE FORCES  
 . **PONDEROMOTIVE FORCES**  
 RT ELECTRODYNAMICS  
 ∞ FORCE  
 LORENTZ FORCE  
 RELATIVISTIC PLASMAS  
 RELATIVITY

**PONDS**  
 RT AQUIFERS

**PONDS-(CONT.)**  
 GREAT SALT LAKE (UT)  
 IRRIGATION  
 LAGOONS  
 LAKES  
 LIMNOLOGY  
 LIQUID WASTES  
 RESERVOIRS  
 SOLAR PONDS (HEAT STORAGE)  
 SURFACE WATER  
 WASTE DISPOSAL  
 WATER RESOURCES  
 WATERSHEDS  
 WINDPOWERED PUMPS

**PONTIAC (MI)**  
 GS CITIES  
 . **PONTIAC (MI)**  
 RT MICHIGAN

**PONTRYAGIN PRINCIPLE**  
 RT CALCULUS OF VARIATIONS  
 MAXIMUM PRINCIPLE  
 OPTIMIZATION  
 REACTION TIME

**POPULATION INVERSION**  
 GS INVERSIONS  
 . **POPULATION INVERSION**  
 RT ELECTRON PUMPING  
 ENERGY LEVELS  
 MOLECULAR RELAXATION  
 NITROGEN LASERS  
 NUCLEAR PUMPING  
 POPULATIONS  
 STIMULATED EMISSION

**POPULATION THEORY**  
 RT POPULATIONS  
 PROBABILITY THEORY  
 ∞ THEORIES

**POPULATIONS**  
 RT BIOMASS  
 DISCRIMINANT ANALYSIS (STATISTICS)  
 POPULATION INVERSION  
 POPULATION THEORY  
 PREDATORS  
 ∞ STATISTICS

**PORCELAIN**  
 GS CERAMICS  
 . **PORCELAIN**  
 REFRACTORY MATERIALS  
 . **PORCELAIN**  
 RT CERAMIC COATINGS  
 ENAMELS  
 GLASS  
 GLAZES  
 SILICON DIOXIDE  
 VITREOUS MATERIALS  
 VITRIFICATION

**PORES**  
 USE POROSITY

**POROSITY**  
 UF PORES  
 GS **POROSITY**  
 . MICROPOROSITY  
 RT AQUIFERS  
 BUOYANCY  
 COMPRESSIBILITY  
 DEFECTS  
 ∞ DENSITY  
 DENSITY (MASS/VOLUME)  
 FORMATIONS  
 GAS INJECTION  
 HOLE DISTRIBUTION (MECHANICS)  
 HYGRAL PROPERTIES  
 IMPREGNATING  
 INFILTRATION  
 INTERSTICES  
 LEAKAGE  
 MOISTURE RESISTANCE  
 PERMEABILITY  
 PERMEATING  
 PINHOLES  
 POROUS BOUNDARY LAYER CONTROL  
 POROUS MATERIALS  
 POROUS PLATES  
 ∞ PROPERTIES  
 SINTERING  
 TEXTURES  
 VOID RATIO

**POROSITY-(CONT.)**  
 VOIDS  
 WETTABILITY

**POROUS BOUNDARY LAYER CONTROL**  
 GS BOUNDARY LAYER CONTROL  
 . **POROUS BOUNDARY LAYER CONTROL**  
 RT ∞ CONTROL  
 CONVECTIVE FLOW  
 EKMAN LAYER  
 FREE CONVECTION  
 MASS TRANSFER  
 POROSITY

**POROUS MATERIALS**  
 RT BRITTLE MATERIALS  
 ∞ CELLS  
 HONEYCOMB STRUCTURES  
 INTERSTICES  
 LOW DENSITY MATERIALS  
 ∞ MATERIALS  
 METAL POWDER  
 POROSITY  
 POWDER METALLURGY  
 SANDS  
 SOILS  
 SPONGES (MATERIALS)

**POROUS PLATES**  
 GS STRUCTURAL MEMBERS  
 . PLATES (STRUCTURAL MEMBERS)  
 . . . **POROUS PLATES**  
 RT LOW DENSITY MATERIALS  
 POROSITY

**POROUS WALLS**  
 GS WALLS  
 . **POROUS WALLS**  
 RT ∞ DIFFUSERS

**PORPHINES**  
 GS ORGANOMETALLIC COMPOUNDS  
 . **PORPHINES**  
 RT CHLOROPHYLLS  
 HEMOGLOBIN

**PORPHYRA**  
 GS PLANTS (BOTANY)  
 . ALGAE  
 . . . **PORPHYRA**

**PORPHYRINS**  
 GS **PORPHYRINS**  
 . CHLOROPHYLLS  
 RT HEMOGLOBIN

**PORPOISES**  
 GS ANIMALS  
 . VERTEBRATES  
 . . . MAMMALS  
 . . . MARINE MAMMALS  
 . . . . **PORPOISES**

**PORTABLE EQUIPMENT**  
 RT ∞ EQUIPMENT  
 LIXISCOPES  
 LOGISTICS  
 MOBILITY  
 STOWAGE (ONBOARD EQUIPMENT)

**PORTABLE LIFE SUPPORT SYSTEMS**  
 UF PLSS  
 GS SUPPORT SYSTEMS  
 . LIFE SUPPORT SYSTEMS  
 . . **PORTABLE LIFE SUPPORT SYSTEMS**  
 . . . AEPS  
 . . . JMLSS  
 RT ARGON-OXYGEN ATMOSPHERES  
 BIOPAKS  
 BREATHING APPARATUS  
 EMERGENCY LIFE SUSTAINING  
 SYSTEMS  
 HELIUM-OXYGEN ATMOSPHERES  
 OXYGEN MASKS  
 PRESSURE SUITS  
 ∞ SYSTEMS

**∞ PORTS**  
 SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED-CONSULT THE TERMS  
 LISTED BELOW)  
 RT AIRPORTS  
 DRYDOCKS  
 HARBORS

## POSTLAUNCH REPORTS

### PORTS-(CONT.)

PORTS (OPENINGS)  
SHIPYARDS  
WHARVES

### PORTS (OPENINGS)

GS OPENINGS  
RT . PORTS (OPENINGS)  
APERTURES  
CAVITIES  
DUCTS  
EXHAUST SYSTEMS  
ORIFICES  
OUTLETS  
∞ PORTS  
VENTS  
∞ WINDOWS  
WINDOWS (APERTURES)

### PORTUGAL

GS NATIONS  
RT . PORTUGAL  
EUROPE

### POSEIDON MISSILES

GS MISSILES  
BALLISTIC MISSILES  
POSEIDON MISSILES  
SURFACE TO SURFACE MISSILES  
FLEET BALLISTIC MISSILES  
POSEIDON MISSILES  
RT BALLISTIC MISSILE SUBMARINES  
GUIDED MISSILE SUBMARINES  
SEA LAUNCHING

### POSEIDON SATELLITE

GS ARTIFICIAL SATELLITES  
FRENCH SATELLITES  
POSEIDON SATELLITE

### ∞ POSITION

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT ATTITUDE (INCLINATION)  
POSITION (LOCATION)  
POSITION (TITLE)

### POSITION (LOCATION)

UF LOCALIZATION  
LOCATION  
GS POSITION (LOCATION)  
SOLAR POSITION  
RT ALTITUDE  
ASTROLABES  
AZIMUTH  
BEARING (DIRECTION)  
COLLATING  
COLLOCATION  
COORDINATES  
DETECTION  
DISTANCE  
EPHEMERIDES  
EXPOSURE  
∞ FIXING  
GEOMETRY  
LATITUDE  
LONGITUDE  
MISALIGNMENT  
NAVIGATION  
ORBITAL POSITION ESTIMATION  
∞ ORIENTATION  
∞ POINTS  
POSITION ERRORS  
POSITION SENSING  
POSITIONING  
RADAR BEACONS  
SITES  
SOUND RANGING  
SPATIAL DISTRIBUTION  
SPHERICAL COORDINATES  
STATIONS  
SURVEYS  
TRACKING (POSITION)

### POSITION (TITLE)

RT EMPLOYEE RELATIONS  
EVALUATION  
∞ GRADE  
PERSONNEL  
∞ POSITION  
RATINGS

### POSITION ERRORS

GS ERRORS

### POSITION ERRORS-(CONT.)

POSITION ERRORS  
RT . BORESIGHT ERROR  
ASTROLABES  
ERROR SIGNALS  
NAVIGATION  
OPTICAL CORRECTION PROCEDURE  
ORBITAL POSITION ESTIMATION  
POSITIONING  
VELOCITY ERRORS

### POSITION INDICATORS

GS DISPLAY DEVICES  
POSITION INDICATORS  
PLAN POSITION INDICATORS  
RADIO DIRECTION FINDERS  
SPACECRAFT POSITION INDICATORS  
MEASURING INSTRUMENTS  
INDICATING INSTRUMENTS  
POSITION INDICATORS  
PLAN POSITION INDICATORS  
RADIO DIRECTION FINDERS  
SPACECRAFT POSITION  
INDICATORS  
RT AIRCRAFT INSTRUMENTS  
ALTIMETERS  
BEACONS  
DISTANCE MEASURING EQUIPMENT  
FLIGHT INSTRUMENTS  
GLOBAL POSITIONING SYSTEM  
HEAD-UP DISPLAYS  
NAVIGATION AIDS  
NAVIGATION INSTRUMENTS  
PLOTTERS  
POSITION SENSING  
RANGE FINDERS  
ROCKET-BORNE INSTRUMENTS  
SEXTANTS  
SOLAR COMPASSES  
SOUND LOCALIZATION

### POSITION SENSING

RT COMPUTER VISION  
ELECTRO-OPTICS  
POSITION (LOCATION)  
POSITION INDICATORS  
ROBOTICS

### POSITIONING

RT ADJUSTING  
ALIGNMENT  
AMBIGUITY  
COLLATING  
COLLOCATION  
DISPLACEMENT  
DISTRIBUTING  
∞ DISTRIBUTION  
EXPOSURE  
FITTING  
∞ FIXING  
GLOBAL POSITIONING SYSTEM  
INSTRUMENT ORIENTATION  
∞ JOINING  
LATITUDE MEASUREMENT  
LONGITUDE MEASUREMENT  
LOOK ANGLES (ELECTRONICS)  
NAVIGATION  
∞ ORIENTATION  
PLY ORIENTATION  
POSITION (LOCATION)  
POSITION ERRORS  
RADIO NAVIGATION  
RELOCATION  
SATELLITE DOPPLER POSITIONING  
∞ SETTING  
SPACING  
STATIONKEEPING

### POSITIONING DEVICES (MACHINERY)

GS POSITIONING DEVICES (MACHINERY)  
BOOMS (EQUIPMENT)  
CAMS  
JIGS  
RT ∞ DEVICES  
HOLDERS  
JACKS (LIFTS)  
MACHINERY  
SLEWING

### POSITIVE FEEDBACK

UF REGENERATIVE FEEDBACK  
GS FEEDBACK  
POSITIVE FEEDBACK  
RT AMPLIFICATION  
FEEDBACK AMPLIFIERS

### POSITIVE FEEDBACK-(CONT.)

MULTIVIBRATORS  
NONLINEAR FEEDBACK  
OSCILLATORS  
REGENERATION (ENGINEERING)  
SELF OSCILLATION  
TRANSFER FUNCTIONS

### POSITIVE IONS

GS IONS  
POSITIVE IONS  
CATIONS  
FORMYL IONS  
VANADYL RADICAL  
HYDRONIUM IONS  
RT ATOMS  
HYDROGEN IONS  
ION DENSITY (CONCENTRATION)  
IONIC MOBILITY  
IONOSPHERIC ION DENSITY  
MAGNETOSPHERIC ION DENSITY  
METAL IONS  
MOLECULAR IONS  
MONATOMIC MOLECULES  
POLYATOMIC MOLECULES  
PROTONS  
TRIVALENT IONS  
VALENCE

### POSITRON ANNIHILATION

GS ANNIHILATION REACTIONS  
POSITRON ANNIHILATION  
RT ANTIPARTICLES  
ELEMENTARY PARTICLES  
NUCLEAR PARTICLES  
PAIR PRODUCTION  
PARTICLES

### POSITRONIUM

RT ATOMS  
EXCITONS

### POSITRONS

GS ANTIMATTER  
ANTIPARTICLES  
POSITRONS  
PARTICLES  
CHARGED PARTICLES  
POSITRONS  
ELEMENTARY PARTICLES  
ANTIPARTICLES  
POSITRONS  
NUCLEAR PARTICLES  
ANTIPARTICLES  
POSITRONS  
RT PAIR PRODUCTION

### POST BOOST PROPULSION SYSTEM

RT ASCENT TRAJECTORIES  
PROPULSION  
PROPULSION SYSTEM CONFIGURATIONS  
ROCKET ENGINES  
SPACECRAFT PROPULSION  
SYSTEMS  
TRAJECTORY CONTROL

### POST-BLAST NUCLEAR RADIATION

GS NUCLEAR RADIATION  
POST-BLAST NUCLEAR RADIATION  
RT FALLOUT  
HALF LIFE  
RADIANT FLUX DENSITY  
RADIATION  
RADIATION EFFECTS  
RADIOACTIVE DECAY  
RADIOACTIVITY  
VELA SATELLITES

### POSTAMPLIFIERS

GS AMPLIFIERS  
POSTAMPLIFIERS  
RT PREAMPLIFIERS

### POSTERIOR SECTIONS

RT ANATOMY  
DORSAL SECTIONS

### POSTFLIGHT ANALYSIS

RT ∞ ANALYZING  
PERFORMANCE  
POSTMISSION ANALYSIS (SPACECRAFT)

### POSTLAUNCH REPORTS

GS DOCUMENTS

## POSTMISSION ANALYSIS (SPACECRAFT)

### POSTLAUNCH REPORTS-(CONT.)

GS POSTLAUNCH REPORTS  
REPORTS  
RT POSTLAUNCH REPORTS  
PRELAUNCH SUMMARIES  
SPACECRAFT LAUNCHING  
SPACECRAFT PERFORMANCE  
SUMMARIES

### POSTMISSION ANALYSIS (SPACECRAFT)

RT FLIGHT TESTS  
POSTFLIGHT ANALYSIS

### POSTULATES

USE AXIOMS

### POSTURE

RT HUMAN BODY  
ORTHOSTATIC TOLERANCE  
PHYSICAL FITNESS

### POTABLE LIQUIDS

GS LIQUIDS  
POTABLE LIQUIDS  
BEVERAGES  
WINES  
POTABLE WATER  
RT PURITY

### POTABLE WATER

GS LIQUIDS  
POTABLE LIQUIDS  
POTABLE WATER  
WATER  
POTABLE WATER  
RT COLD WATER  
CONSERVATION  
CONSUMABLES (SPACECREW SUPPLIES)  
DROUGHT  
FRESH WATER  
GROUND WATER  
LIMNOLOGY  
MODULAR INTEGRATED UTILITY SYSTEM  
OASES  
PURIFICATION  
SANITATION  
SPRINGS (WATER)  
WATER MANAGEMENT  
WATER RESOURCES  
WATER TABLES  
WATER TREATMENT

### POTASSIUM

GS CHEMICAL ELEMENTS  
ALKALI METALS  
POTASSIUM  
LIQUID POTASSIUM  
POTASSIUM ISOTOPES  
POTASSIUM 38  
POTASSIUM 39  
POTASSIUM 40  
METALS  
ALKALI METALS  
POTASSIUM  
LIQUID POTASSIUM  
POTASSIUM ISOTOPES  
POTASSIUM 38  
POTASSIUM 39  
POTASSIUM 40  
RT ELECTROLYTE METABOLISM  
KREEP

### POTASSIUM ALLOYS

GS ALLOYS  
POTASSIUM ALLOYS

### POTASSIUM BROMIDES

GS HALOGEN COMPOUNDS  
BROMINE COMPOUNDS  
BROMIDES  
POTASSIUM BROMIDES  
HALIDES  
BROMIDES  
POTASSIUM BROMIDES  
METAL HALIDES  
POTASSIUM BROMIDES  
POTASSIUM COMPOUNDS  
POTASSIUM BROMIDES

### POTASSIUM CHLORIDES

GS HALOGEN COMPOUNDS  
CHLORINE COMPOUNDS  
CHLORIDES  
POTASSIUM CHLORIDES

### POTASSIUM CHLORIDES-(CONT.)

HALIDES  
CHLORIDES  
POTASSIUM CHLORIDES  
METAL HALIDES  
POTASSIUM CHLORIDES  
POTASSIUM COMPOUNDS  
POTASSIUM CHLORIDES

### POTASSIUM CHROMATES

GS CHROMIUM COMPOUNDS  
CHROMATES  
POTASSIUM CHROMATES  
POTASSIUM COMPOUNDS  
POTASSIUM CHROMATES

### POTASSIUM COMPOUNDS

GS POTASSIUM COMPOUNDS  
ALUM  
NEPHELINE  
POTASSIUM BROMIDES  
POTASSIUM CHLORIDES  
POTASSIUM CHROMATES  
POTASSIUM HYDRIDES  
POTASSIUM HYDROXIDES  
POTASSIUM IODIDES  
POTASSIUM NITRATES  
POTASSIUM OXIDES  
POTASSIUM PERCHLORATES  
POTASSIUM PEROXIDES  
POTASSIUM PHOSPHATES  
POTASSIUM SILICATES  
RT ALKALI METAL COMPOUNDS  
CHEMICAL COMPOUNDS  
METAL COMPOUNDS

### POTASSIUM HYDRIDES

GS HYDROGEN COMPOUNDS  
HYDRIDES  
METAL HYDRIDES  
POTASSIUM HYDRIDES  
POTASSIUM COMPOUNDS  
POTASSIUM HYDRIDES

### POTASSIUM HYDROXIDES

GS BASES (CHEMICAL)  
ALKALIES  
POTASSIUM HYDROXIDES  
HYDROXIDES  
POTASSIUM HYDROXIDES  
POTASSIUM COMPOUNDS  
POTASSIUM HYDROXIDES

### POTASSIUM IODIDES

GS HALOGEN COMPOUNDS  
HALIDES  
METAL HALIDES  
ALKALI HALIDES  
POTASSIUM IODIDES  
IODINE COMPOUNDS  
IODIDES  
POTASSIUM IODIDES  
POTASSIUM COMPOUNDS  
POTASSIUM IODIDES

### POTASSIUM ISOTOPES

GS CHEMICAL ELEMENTS  
ALKALI METALS  
POTASSIUM  
POTASSIUM ISOTOPES  
POTASSIUM 38  
POTASSIUM 39  
POTASSIUM 40  
NUCLIDES  
ISOTOPES  
POTASSIUM ISOTOPES  
POTASSIUM 38  
POTASSIUM 39  
POTASSIUM 40  
METALS  
ALKALI METALS  
POTASSIUM  
POTASSIUM ISOTOPES  
POTASSIUM 38  
POTASSIUM 39  
POTASSIUM 40

### POTASSIUM NITRATES

GS NITROGEN COMPOUNDS  
NITRATES  
INORGANIC NITRATES  
POTASSIUM NITRATES  
POTASSIUM COMPOUNDS  
POTASSIUM NITRATES

### POTASSIUM OXIDES

GS CHALCOGENIDES  
OXIDES  
METAL OXIDES  
POTASSIUM OXIDES  
POTASSIUM COMPOUNDS  
POTASSIUM OXIDES

### POTASSIUM PERCHLORATES

GS HALOGEN COMPOUNDS  
CHLORINE COMPOUNDS  
PERCHLORATES  
POTASSIUM PERCHLORATES  
POTASSIUM COMPOUNDS  
POTASSIUM PERCHLORATES  
RT EXPLOSIVES  
SOLID ROCKET PROPELLANTS

### POTASSIUM PEROXIDES

GS POTASSIUM COMPOUNDS  
POTASSIUM PEROXIDES

### POTASSIUM PHOSPHATES

GS PHOSPHORUS COMPOUNDS  
PHOSPHATES  
POTASSIUM PHOSPHATES  
POTASSIUM COMPOUNDS  
POTASSIUM PHOSPHATES

### POTASSIUM SILICATES

GS POTASSIUM COMPOUNDS  
POTASSIUM SILICATES  
SILICON COMPOUNDS  
SILICATES  
POTASSIUM SILICATES  
RT MINERALS

### POTASSIUM 38

GS CHEMICAL ELEMENTS  
ALKALI METALS  
POTASSIUM  
POTASSIUM ISOTOPES  
POTASSIUM 38  
NUCLIDES  
ISOTOPES  
POTASSIUM ISOTOPES  
POTASSIUM 38  
RADIOACTIVE ISOTOPES  
POTASSIUM 38  
METALS  
ALKALI METALS  
POTASSIUM  
POTASSIUM ISOTOPES  
POTASSIUM 38

### POTASSIUM 39

GS CHEMICAL ELEMENTS  
ALKALI METALS  
POTASSIUM  
POTASSIUM ISOTOPES  
POTASSIUM 39  
NUCLIDES  
ISOTOPES  
POTASSIUM ISOTOPES  
POTASSIUM 39  
METALS  
ALKALI METALS  
POTASSIUM  
POTASSIUM ISOTOPES  
POTASSIUM 39

### POTASSIUM 40

GS CHEMICAL ELEMENTS  
ALKALI METALS  
POTASSIUM  
POTASSIUM ISOTOPES  
POTASSIUM 40  
NUCLIDES  
ISOTOPES  
POTASSIUM ISOTOPES  
POTASSIUM 40  
RADIOACTIVE ISOTOPES  
POTASSIUM 40  
METALS  
ALKALI METALS  
POTASSIUM  
POTASSIUM ISOTOPES  
POTASSIUM 40

### POTATOES

GS FARM CROPS  
POTATOES  
PLANTS (BOTANY)  
POTATOES  
VEGETABLES

**POTATOES-(CONT.)**

. POTATOES  
RT ∞ FOOD

**∞ POTENTIAL**

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)

RT COULOMB POTENTIAL  
ELECTRIC POTENTIAL  
GEOPOTENTIAL  
IONIZATION POTENTIALS  
KLEIN-DUNHAM POTENTIAL  
MYOELECTRIC POTENTIALS  
NUCLEON POTENTIAL  
OPEN CIRCUIT VOLTAGE  
PLASMA POTENTIALS  
POTENTIAL ENERGY  
POTENTIAL FIELDS  
POTENTIAL THEORY  
YUKAWA POTENTIAL

**POTENTIAL ENERGY**

GS **POTENTIAL ENERGY**  
. ELECTRIC POTENTIAL  
. BIOELECTRIC POTENTIAL  
. CONTACT POTENTIALS  
. COULOMB POTENTIAL  
. LIENARD POTENTIAL  
. LOW VOLTAGE  
. OPEN CIRCUIT VOLTAGE  
. PHOTOVOLTAGES  
. QUANTUM WELLS  
. SPIKE POTENTIALS  
. THRESHOLD VOLTAGE  
. GEOPOTENTIAL HEIGHT  
. IONIZATION POTENTIALS  
. NUCLEAR POTENTIAL  
. PLASMA POTENTIALS  
RT CHEMICAL ENERGY  
ELECTRIC ENERGY STORAGE  
∞ ENERGY  
ENERGY STORAGE  
FROUDE NUMBER  
GEOPOTENTIAL  
INTERNAL ENERGY  
KINETIC ENERGY  
MORSE POTENTIAL  
∞ POTENTIAL

**POTENTIAL FIELDS**

RT FIELD THEORY (PHYSICS)  
∞ POTENTIAL

**POTENTIAL FLOW**

UF IRROTATIONAL FLOW  
GS FLUID FLOW  
. **POTENTIAL FLOW**  
. EQUIPOTENTIALS  
RT CARTAN SPACE  
HEAT TRANSMISSION  
INVISCID FLOW  
VORTICITY

**POTENTIAL GRADIENTS**

GS GRADIENTS  
. **POTENTIAL GRADIENTS**  
RT PRESSURE GRADIENTS  
SPARK GAPS  
TEMPERATURE GRADIENTS

**POTENTIAL THEORY**

RT DIFFERENTIAL EQUATIONS  
JACOBI INTEGRAL  
LENNARD-JONES POTENTIAL  
∞ POTENTIAL  
STREAM FUNCTIONS (FLUIDS)  
∞ THEORIES

**∞ POTENTIOMETERS**

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)

RT POTENTIOMETERS (INSTRUMENTS)  
POTENTIOMETERS (RESISTORS)

**POTENTIOMETERS (INSTRUMENTS)**

GS MEASURING INSTRUMENTS  
. **POTENTIOMETERS (INSTRUMENTS)**  
RT BOLOMETERS  
ELECTRIC POTENTIAL  
ELECTRICAL MEASUREMENT  
ELECTROMETERS  
∞ POTENTIOMETERS  
THERMOCOUPLE PYROMETERS

**POTENTIOMETERS (INSTRUMENTS)-(CONT.)**

THERMOCOUPLES  
VOLTMETERS

**POTENTIOMETERS (RESISTORS)**

GS ATTENUATORS  
. RESISTORS  
. **POTENTIOMETERS (RESISTORS)**  
RT ∞ POTENTIOMETERS

**POTENTIOMETRIC ANALYSIS**

UF POTENTIOMETRY  
GS CHEMICAL TESTS  
. CHEMICAL ANALYSIS  
. **POTENTIOMETRIC ANALYSIS**

**POTENTIOMETRY**

USE POTENTIOMETRIC ANALYSIS

**POTETZ AIRCRAFT**

RT ∞ AIRCRAFT

**POTOMAC RIVER VALLEY (MD-VA-WV)**

GS VALLEYS  
. **POTOMAC RIVER VALLEY (MD-VA-WV)**  
RT DISTRICT OF COLUMBIA  
MARYLAND  
VIRGINIA  
WEST VIRGINIA

**POTTING COMPOUNDS**

RT ∞ COMPOUNDS  
ENCAPSULATING  
INSULATION

**POURING**

RT CASTING  
CASTINGS

**POWDER (PARTICLES)**

GS PARTICLES  
. **POWDER (PARTICLES)**  
. FINES  
. METAL POWDER  
. PLATINUM BLACK  
. POWDERED ALUMINUM  
. SINTERED ALUMINUM POWDER  
RT COMPRESSIBILITY  
CROP DUSTING  
DUST  
EXPLOSIVES  
FLAKES  
FLOUR (FOOD)  
GRANULAR MATERIALS  
OBSIDIAN  
PUMICE  
SIZE SEPARATION

**POWDER METALLURGY**

RT ALLOYING  
ALLOYS  
AUTOCLAVING  
CERMETS  
COMMINUTION  
COMPACTING  
COMPOSITE MATERIALS  
ELECTRODEPOSITION  
LOW DENSITY MATERIALS  
METAL MATRIX COMPOSITES  
METAL PARTICLES  
METAL POWDER  
∞ METALLURGY  
MIXED CRYSTALS  
POROUS MATERIALS  
PREFORMS  
REACTION BONDING  
SINTERED ALUMINUM POWDER  
SINTERING  
VACUUM MELTING

**POWDERED ALUMINUM**

GS PARTICLES  
. METAL PARTICLES  
. METAL POWDER  
. **POWDERED ALUMINUM**  
. SINTERED ALUMINUM POWDER  
. POWDER (PARTICLES)  
. METAL POWDER  
. **POWDERED ALUMINUM**  
. SINTERED ALUMINUM POWDER  
RT ALUMINUM  
LITHIUM ALUMINUM HYDRIDES

**POWDERED METALS**

USE METAL POWDER

**∞ POWER**

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)

RT ELECTRIC GENERATORS  
FLUID POWER  
FLUX (RATE)  
FLUX DENSITY  
HORSEPOWER  
RESOLUTION  
THRUST

**POWER AMPLIFIERS**

GS AMPLIFIERS  
. **POWER AMPLIFIERS**  
RT AMPLIDYNES  
CYCLOTRON RESONANCE DEVICES  
FEEDBACK AMPLIFIERS  
MAGNETIC AMPLIFIERS  
PARAMETRIC AMPLIFIERS  
PUSH-PULL AMPLIFIERS  
TRANSISTOR AMPLIFIERS  
TRAVELING WAVE AMPLIFIERS

**POWER CONDITIONING**

UF POWER PROCESSING SYSTEMS  
RT ∞ CONDITIONING  
ELECTRIC CURRENT  
ELECTRIC GENERATORS  
ELECTRIC POTENTIAL  
ENERGY CONVERSION  
ENERGY CONVERSION EFFICIENCY  
OUTPUT  
SATELLITE SOLAR ENERGY  
CONVERSION  
SATELLITE SOLAR POWER STATIONS

**POWER CONVERTERS**

RT ∞ CONVERTERS  
TORQUE CONVERTERS

**POWER DENSITY (ELECTROMAGNETIC)**

USE RADIANT FLUX DENSITY

**POWER EFFICIENCY**

GS EFFICIENCY  
. **POWER EFFICIENCY**  
RT COMBUSTION EFFICIENCY  
COMPRESSOR EFFICIENCY  
HORSEPOWER  
NOZZLE EFFICIENCY  
POWER FACTOR CONTROLLERS  
∞ POWER LOSS  
PROPELLER EFFICIENCY  
PROPULSION SYSTEM PERFORMANCE  
PROPULSIVE EFFICIENCY  
THERMODYNAMIC EFFICIENCY  
TRANSMISSION EFFICIENCY

**POWER FACTOR CONTROLLERS**

GS CONTROLLERS  
. **POWER FACTOR CONTROLLERS**  
RT CURRENT REGULATORS  
ELECTRIC MOTORS  
ENERGY CONSERVATION  
ENERGY CONVERSION EFFICIENCY  
INDUCTION MOTORS  
POWER EFFICIENCY  
VOLTAGE REGULATORS

**POWER GAIN**

GS AMPLIFICATION  
. **POWER GAIN**  
RT CATT DEVICES  
HIGH GAIN  
OPEN CIRCUIT VOLTAGE

**POWER GENERATORS**

USE ELECTRIC GENERATORS

**POWER LIMITED SPACECRAFT**

RT ∞ SPACECRAFT

**POWER LIMITERS**

RT ATTENUATORS  
CLAMPING CIRCUITS  
CLIPPER CIRCUITS  
LIMITER CIRCUITS

**POWER LINES**

GS TRANSMISSION LINES

## POWER LOSS

- POWER LINES-(CONT.)**
- POWER LINES**
  - RT BUS CONDUCTORS
  - ∞ CABLES
    - COAXIAL CABLES
    - ELECTRIC POWER TRANSMISSION
    - ELECTRIC WIRE
    - SUBMARINE CABLES
    - SUPERCONDUCTING POWER TRANSMISSION
    - UNDERGROUND TRANSMISSION LINES
  - ∞ **POWER LOSS**
  - SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
  - RT ENERGY DISSIPATION
  - POWER EFFICIENCY
  - POWER MODULES (STS)**
  - GS MODULES
  - RT **POWER MODULES (STS)**
    - ORBITAL MANEUVERING VEHICLES
    - PAYLOAD DELIVERY (STS)
    - SOLAR ARRAYS
    - SPACE TRANSPORTATION SYSTEM
    - SPACECRAFT POWER SUPPLIES
  - ∞ **POWER PLANTS**
  - SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
  - RT COGENERATION
  - ELECTRIC POWER PLANTS
  - ENGINES
  - ENRICO FERMÍ ATOMIC POWER PLANT
  - GEOTHERMAL ENERGY UTILIZATION
  - HALLAM NUCLEAR POWER FACILITY
  - HYDROELECTRIC POWER STATIONS
  - HYDROELECTRICITY
  - ML-1 NUCLEAR POWER PLANT
  - SOLAR SEA POWER PLANTS
  - SOLAR THERMAL ELECTRIC POWER PLANTS
  - POWER PROCESSING SYSTEMS**
  - USE POWER CONDITIONING
  - POWER REACTORS**
  - RT NUCLEAR POWER REACTORS
  - ∞ REACTORS
  - SATURABLE REACTORS
  - POWER SERIES**
  - GS ANALYSIS (MATHEMATICS)
    - CALCULUS
    - SERIES (MATHEMATICS)
    - POWER SERIES**
    - TAYLOR SERIES
    - MACLAURIN SERIES
    - REAL VARIABLES
    - SERIES (MATHEMATICS)
    - POWER SERIES**
    - TAYLOR SERIES
    - MACLAURIN SERIES
  - RT ANALYTIC FUNCTIONS
  - BESSEL FUNCTIONS
  - POWER SPECTRA**
  - GS SPECTRA
    - POWER SPECTRA**
    - CEPSTRA
  - RT ACOUSTICS
  - CEPSTRAL ANALYSIS
  - ENERGY SPECTRA
  - FLUX DENSITY
  - LOUDNESS
  - MAXIMUM ENTROPY METHOD
  - ∞ **POWER SUPPLIES**
  - SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
  - RT AIRCRAFT ENGINES
  - AIRCRAFT POWER SUPPLIES
  - AUXILIARY POWER SOURCES
  - ELECTRIC BATTERIES
  - ELECTRIC GENERATORS
  - ELECTRIC POWER SUPPLIES
  - ELECTRON SOURCES
  - ENERGY REQUIREMENTS
  - HEAT SOURCES
  - LEAD ACID BATTERIES
  - LINE CURRENT
  - LITHIUM SULFUR BATTERIES

- POWER SUPPLIES-(CONT.)**
- NUCLEAR AUXILIARY POWER UNITS
  - PLASMA POWER SOURCES
  - PROPELLANTS
  - RECTIFIERS
  - SOLAR GENERATORS
  - SPACECRAFT POWER SUPPLIES
  - VOLTAGE CONVERTERS (AC TO AC)
  - VOLTAGE CONVERTERS (DC TO DC)
  - POWER SUPPLY CIRCUITS**
  - GS CIRCUITS
  - POWER SUPPLY CIRCUITS**
  - RT CURRENT REGULATORS
  - RECTIFIERS
  - TRANSFORMERS
  - VOLTAGE CONVERTERS (DC TO DC)
  - VOLTAGE REGULATORS
  - ∞ **POWER TRANSMISSION**
  - SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
  - RT BUS CONDUCTORS
  - ELECTRIC OUTLETS
  - ELECTRIC POWER TRANSMISSION
  - ELECTRICAL ENGINEERING
  - ELECTRIFICATION
  - HYDROELECTRIC POWER STATIONS
  - MECHANICAL DRIVES
  - WINDMILLS (WINDPOWERED MACHINES)
  - POWER TRANSMISSION (LASERS)**
  - RT CARBON DIOXIDE LASERS
  - CARBON MONOXIDE LASERS
  - ELECTRIC POWER TRANSMISSION
  - GAS LASERS
  - LASERS
  - SOLAR POWER SATELLITES
  - POWERED LIFT AIRCRAFT**
  - RT ∞ AIRCRAFT
    - EXTERNALLY BLOWN FLAPS
    - SHORT TAKEOFF AIRCRAFT
    - VERTICAL TAKEOFF AIRCRAFT
  - POWERED MODELS**
  - SN (LIMITED TO TEST FACILITIES)
  - GS MODELS
    - WIND TUNNEL MODELS
    - POWERED MODELS**
  - RT AIRCRAFT MODELS
  - DYNAMIC MODELS
  - POYNTING THEOREM**
  - GS THEOREMS
    - POYNTING THEOREM**
  - RT ∞ ELECTRIC POWER
  - ELECTROMAGNETIC RADIATION
  - ENERGY TRANSFER
  - MAXWELL EQUATION
  - VECTOR ANALYSIS
  - POYNTING-ROBERTSON EFFECT**
  - RT ∞ EFFECTS
    - MICROMETEORIODS
    - ORBITAL MECHANICS
    - RADIATION EFFECTS
    - ZODIACAL DUST
    - ZODIACAL LIGHT
  - PPI (POSITION INDICATORS)**
  - USE PLAN POSITION INDICATORS
  - PPM (MODULATION)**
  - USE PULSE POSITION MODULATION
  - PRACTICES**
  - USE PROCEDURES
  - PRAESEPE STAR CLUSTERS**
  - GS CELESTIAL BODIES
    - STAR CLUSTERS
    - OPEN CLUSTERS
    - PRAESEPE STAR CLUSTERS**
    - STARS
    - PRAESEPE STAR CLUSTERS**
  - RT ∞ CLUSTERS
  - PRAETERSONIC DEVICES**
  - RT MICROWAVE FREQUENCIES
  - PIEZOELECTRIC TRANSDUCERS
  - THIN FILMS
  - ULTRAHIGH FREQUENCIES

- PRAIRIES**
- USE GRASSLANDS
  - PRANDTL NUMBER**
  - GS RATIOS
    - DIMENSIONLESS NUMBERS
    - PRANDTL NUMBER**
  - RT FORCED CONVECTION
  - GRASHOF NUMBER
  - HEAT TRANSFER
  - INVISCID FLOW
  - MOMENTUM TRANSFER
  - NUSSELT NUMBER
  - PECLET NUMBER
  - REYNOLDS NUMBER
  - SCHMIDT NUMBER
  - THERMODYNAMIC PROPERTIES
  - VISCOUS FLOW
  - PRANDTL-MEYER EXPANSION**
  - GS EXPANSION
    - PRANDTL-MEYER EXPANSION**
  - RT BLASIUS EQUATION
  - FALKNER-SKAN EQUATION
  - FLOW DEFLECTION
  - LAMINAR FLOW
  - METHOD OF CHARACTERISTICS
  - NEWTON PRESSURE LAW
  - SUPERSONIC FLOW
  - TWO DIMENSIONAL FLOW
  - PRASEODYMIUM**
  - GS CHEMICAL ELEMENTS
    - RARE EARTH ELEMENTS
    - PRASEODYMIUM**
    - PRASEODYMIUM ISOTOPES
    - METALS
    - RARE EARTH ELEMENTS
    - PRASEODYMIUM**
    - PRASEODYMIUM ISOTOPES
  - RT DIDYMIUM
  - PRASEODYMIUM ISOTOPES**
  - UF PRASEODYMIUM 144
  - GS CHEMICAL ELEMENTS
    - NUCLIDES
    - ISOTOPES
    - PRASEODYMIUM ISOTOPES**
    - RARE EARTH ELEMENTS
    - PRASEODYMIUM**
    - PRASEODYMIUM ISOTOPES**
    - METALS
    - RARE EARTH ELEMENTS
    - PRASEODYMIUM**
    - PRASEODYMIUM ISOTOPES**
  - PRASEODYMIUM 144**
  - USE PRASEODYMIUM ISOTOPES
  - PRE-IMBRIAN PERIOD**
  - RT LUNAR COMPOSITION
  - LUNAR CRATERS
  - LUNAR EVOLUTION
  - LUNAR GEOLOGY
  - LUNAR ROCKS
  - PRE-MAIN SEQUENCE STARS**
  - GS CELESTIAL BODIES
    - STARS
    - PROTOSTARS
    - PRE-MAIN SEQUENCE STARS**
    - T TAURI STARS
  - RT MAIN SEQUENCE STARS
  - STAR FORMATION
  - STELLAR EVOLUTION
  - PREAMPLIFIERS**
  - UF PRESELECTORS
  - GS AMPLIFIERS
    - PREAMPLIFIERS**
  - RT INTERMEDIATE FREQUENCY AMPLIFIERS
  - LOW NOISE
  - MIXING CIRCUITS
  - POSTAMPLIFIERS
  - SIGNAL DETECTION
  - SIGNAL DETECTORS
  - SIGNAL RECEPTION
  - TRANSISTOR AMPLIFIERS
  - VOLTAGE AMPLIFIERS
  - PREBURNERS**
  - GS PRESSURE VESSELS
    - PREBURNERS**
  - RT PUMPS

**PREBURNERS-(CONT.)**

TURBINE PUMPS

**PRECAMBRIAN PERIOD**

RT BALTIC SHIELD (EUROPE)  
CANADIAN SHIELD  
GEOLOGY  
PALEONTOLOGY

**PRECAUTIONS**

USE ACCIDENT PREVENTION

**PRECESSION**

GS GYRATION  
. PRECESSION  
. LARMOR PRECESSION  
. PROTON PRECESSION  
. QUENCHING (ATOMIC PHYSICS)  
RT EARTH ORIENTATION  
GYROSCOPES  
GYROSCOPIC STABILITY  
LARMOR RADIUS  
LIBRATION  
MUON SPIN ROTATION  
NUTATION  
POLAR WANDERING (GEOLOGY)  
ROTATION  
VORTEX PRECESSION

**PRECIOUS METALS**

USE NOBLE METALS

**PRECIPITATES**

SN (EXCLUDES METEOROLOGICAL  
PRECIPITATES)  
RT ALLOYS  
GRAIN BOUNDARIES  
MICROSTRUCTURE  
PRECIPITATION (CHEMISTRY)  
PRECIPITATION HARDENING  
REACTION PRODUCTS

**PRECIPITATION**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERM  
LISTED BELOW)*

RT DROP SIZE  
ELECTRON PRECIPITATION  
FALLING  
HYDROMETALLURGY  
MATERIALS RECOVERY  
PARTICLE PRECIPITATION  
PRECIPITATION (CHEMISTRY)  
PRECIPITATION (METEOROLOGY)  
PROTON PRECIPITATION

**PRECIPITATION (CHEMISTRY)**

RT AGGLOMERATION  
CEMENTATION  
∞ CHEMISTRY  
COAGULATION  
COLLOIDING  
CONCENTRATING  
CRYSTALLIZATION  
DEPOSITION  
DISSOLVING  
FILTRATION  
FLOCCULATING  
HYDROMETALLURGY  
HYDROMETEOROLOGY  
MATERIALS RECOVERY  
PRECIPITATES  
∞ PRECIPITATION  
PRECIPITATORS  
∞ SATURATION  
SATURATION (CHEMISTRY)  
∞ SEPARATION  
SETTLING  
SOLUBILITY  
SUPERSATURATION  
UNSATURATION (CHEMISTRY)

**PRECIPITATION (METEOROLOGY)**

GS PRECIPITATION (METEOROLOGY)  
. HAIL  
. RAIN  
. ACID RAIN  
. SNOW  
. SNOW COVER  
RT ALPINE METEOROLOGY  
ANVIL CLOUDS  
ATMOSPHERIC MOISTURE  
CAP CLOUDS  
CIRROCUMULUS CLOUDS  
CIRROSTRATUS CLOUDS

**PRECIPITATION (METEOROLOGY)-(CONT.)**

CLIMATOLOGY  
CLOUD PHYSICS  
CLOUD SEEDING  
CLOUDS (METEOROLOGY)  
CUMULONIMBUS CLOUDS  
CYCLONES  
DEW  
DRAINAGE PATTERNS  
DROUGHT  
FLOOD DAMAGE  
FLOOD PREDICTIONS  
FLOODS  
FOG  
FOG DISPERSAL  
HAILSTORMS  
HUMIDITY  
HYDROLOGICAL CYCLE  
HYDROLOGY  
HYDROLOGY MODELS  
HYDROMETEOROLOGY  
INTERNATIONAL HYDROLOGICAL  
DECADE  
METEOROLOGICAL PARAMETERS  
METEOROLOGY  
MIST  
MONSOONS  
NEPHANALYSIS  
NIMBOSTRATUS CLOUDS  
∞ PRECIPITATION  
RAINMAKING  
RAINSTORMS  
∞ SATURATION  
SNOWSTORMS  
STORM DAMAGE  
STORM ENHANCEMENT  
STORM SUPPRESSION  
STORMS  
STORMS (METEOROLOGY)  
WATER  
WATER RESOURCES  
WATERSHEDS  
WEATHER  
WEATHER FORECASTING

**PRECIPITATION HARDENING**

UF AGE HARDENING  
DISPERSION PRECIPITATION HARDENING  
STRAIN AGING  
GS HARDENING (MATERIALS)  
. PRECIPITATION HARDENING  
. MARAGING  
RT COLD HARDENING  
EUTECTIC COMPOSITES  
HEAT TREATMENT  
PRECIPITATES  
SOLID SOLUTIONS  
STRAIN HARDENING  
SUPERSATURATION  
TIME TEMPERATURE PARAMETER

**PRECIPITATION PARTICLE MEASUREMENT**

GS SIZE DETERMINATION  
. PRECIPITATION PARTICLE  
MEASUREMENT  
RT DROP SIZE  
METEOROLOGICAL RADAR  
PARTICLE SIZE DISTRIBUTION  
PARTICLES

**PRECIPITATORS**

GS SEPARATORS  
. PRECIPITATORS  
. ELECTROSTATIC PRECIPITATORS  
RT AIR FILTERS  
CONCENTRATORS  
DUST COLLECTORS  
PRECIPITATION (CHEMISTRY)  
THICKENERS (EQUIPMENT)

**PRECISION**

UF EXACTNESS  
RT ACCURACY  
ALLOWANCES  
CONFIDENCE LIMITS  
CONSISTENCY  
DEFINITION  
DYNAMIC CHARACTERISTICS  
ERRORS  
GEOMETRIC DILUTION OF PRECISION  
HIGH RESOLUTION  
HYSTERESIS  
QUALITY  
QUALITY CONTROL  
RELIABILITY

**PRECISION-(CONT.)**

RESOLUTION  
SCHEDULES  
SENSITIVITY  
∞ SHARPNESS  
TOLERANCES (MECHANICS)  
TRUNCATION ERRORS  
VALIDITY

**PRECISION GUIDED PROJECTILES**

GS MISSILES  
. PRECISION GUIDED PROJECTILES  
PROJECTILES  
. PRECISION GUIDED PROJECTILES  
WEAPONS  
. WARHEADS  
. PRECISION GUIDED PROJECTILES  
RT ∞ BOMBS  
TERMINAL BALLISTICS

**PRECONDITIONING**

GS PREPARATION  
. PRECONDITIONING  
RT ∞ CONDITIONING

**PRECOOLING**

GS COOLING  
. PRECOOLING  
RT REGENERATIVE COOLING

**PREDATORS**

RT ANIMALS  
ECOLOGY  
ECOSYSTEMS  
POPULATIONS

**PREDICTION ANALYSIS TECHNIQUES**

GS FORECASTING  
. PREDICTION ANALYSIS TECHNIQUES  
SCHEDULING  
. PREDICTION ANALYSIS TECHNIQUES  
RT ∞ ANALYZING  
PARAMETER IDENTIFICATION  
PERFORMANCE PREDICTION  
SYSTEM IDENTIFICATION

**PREDICTION RECORDING**

GS RECORDING  
. PREDICTION RECORDING  
RT PREDICTIONS

**PREDICTIONS**

UF PREDICTORS  
GS PREDICTIONS  
. FLOOD PREDICTIONS  
. IMPACT PREDICTION  
. LINEAR PREDICTION  
. NOISE PREDICTION  
. NOISE PREDICTION (AIRCRAFT)  
. PERFORMANCE PREDICTION  
. ROSHKO PREDICTION  
RT CATASTROPHE THEORY  
CONFIDENCE LIMITS  
CONTINGENCY  
DELPHI METHOD (FORECASTING)  
ESTIMATES  
FORECASTING  
MAXIMUM LIKELIHOOD ESTIMATES  
MISSION PLANNING  
PATTERN METHOD (FORECASTING)  
PREDICTION RECORDING  
PROBE METHOD (FORECASTING)  
PROFILE METHOD (FORECASTING)  
∞ PROJECTION  
RISK  
SCHEDULES  
TECHNOLOGICAL FORECASTING

**PREDICTOR-CORRECTOR METHODS**

GS ANALYSIS (MATHEMATICS)  
. NUMERICAL ANALYSIS  
. APPROXIMATION  
. PREDICTOR-CORRECTOR METHODS  
. ITERATION  
. PREDICTOR-CORRECTOR METHODS  
RT DIFFERENTIAL EQUATIONS  
ITERATIVE SOLUTION

**PREDICTORS**

USE PREDICTIONS

**PREEMPTING**

RT CLAIMING  
PREVENTION

## PREFIRING TESTS

### PREFIRING TESTS

GS ENGINE TESTS  
 . **PREFIRING TESTS**  
 RT CAPTIVE TESTS  
 CHECKOUT  
 GROUND TESTS  
 PREFLIGHT ANALYSIS  
 PRELAUNCH TESTS  
 ROCKET ENGINE DESIGN  
 SPACE VEHICLE CHECKOUT PROGRAM  
 STATIC TESTS  
 TEST FIRING  
 TEST STANDS  
 ∞ TESTS

### PREFLIGHT ANALYSIS

RT ∞ ANALYZING  
 . PREFIRING TESTS  
 . SYSTEMS ANALYSIS  
 ∞ TESTS  
 TRAJECTORY ANALYSIS  
 WEIGHT ANALYSIS

### PREFLIGHT OPERATIONS

GS **PREFLIGHT OPERATIONS**  
 . AIRCRAFT RUNUP  
 . COUNTDOWN  
 RT CREW PROCEDURES (PREFLIGHT)  
 GROUND TESTS  
 ∞ OPERATIONS  
 PRELAUNCH TESTS  
 REFUELING

### PREFOCUSING

GS FOCUSING  
 . **PREFOCUSING**  
 RT ∞ OPTICS

### PREFORMS

RT BLANKS  
 COMPOSITE MATERIALS  
 MOLDS  
 POWDER METALLURGY

### PREGNANCY

RT BIRTH

### PREHEATERS

USE HEATING EQUIPMENT

### PREHEATING

USE HEATING

### PREIMPREGNATION

RT FILAMENT WINDING  
 PULTRUSION

### PREJUDICES

RT ECONOMICS  
 IRRATIONALITY  
 MANAGEMENT  
 ∞ PROPERTIES  
 PSYCHOLOGY

### PRELAUNCH PROBLEMS

RT COUNTDOWN  
 ∞ PROBLEMS  
 RELIABILITY  
 SPACECRAFT RELIABILITY

### PRELAUNCH SUMMARIES

GS SUMMARIES  
 . **PRELAUNCH SUMMARIES**  
 RT MISSION PLANNING  
 POSTLAUNCH REPORTS  
 SPACECRAFT LAUNCHING

### PRELAUNCH TESTS

GS GROUND TESTS  
 . **PRELAUNCH TESTS**  
 . . STATIC FIRING  
 RT CAPTIVE TESTS  
 COLD FLOW TESTS  
 COUNTDOWN  
 CREW PROCEDURES (PREFLIGHT)  
 ENGINE TESTS  
 LAUNCHING  
 MISSILE TESTS  
 PREFIRING TESTS  
 PREFLIGHT OPERATIONS  
 SPACECRAFT MAINTENANCE  
 STATIC TESTS  
 TEST FIRING  
 TEST STANDS

### PRELAUNCH TESTS-(CONT.)

∞ TESTS

### PRELOADING

USE PRESTRESSING

### PREMATURE OPERATION

RT ∞ OPERATIONS  
 PREPARATION

### PREMIXED FLAMES

GS FLAMES  
 . **PREMIXED FLAMES**  
 RT CARBURETORS  
 FLAME PROPAGATION  
 GAS MIXTURES  
 MIXING  
 PREMIXING

### PREMIXING

GS MIXING  
 . **PREMIXING**  
 RT FUEL-AIR RATIO  
 FUELS  
 GAS MIXTURES  
 HOMOGENIZING  
 IGNITION  
 JET MIXING FLOW  
 PREMIXED FLAMES  
 SPRAYING

### PREPARATION

GS **PREPARATION**  
 . PRECONDITIONING  
 . PRETREATMENT  
 . . PRESTRESSING  
 . PREWHIRLING  
 . PREWHITENING  
 RT ASSEMBLING  
 PREMATURE OPERATION  
 ∞ PRIMING

### PREPOLYMERS

GS **PREPOLYMERS**  
 . DIMERS  
 . TRIMERS  
 RT MONOMERS  
 ∞ POLYMERS

### PREPREGS

RT COMPOSITE MATERIALS  
 EPOXY RESINS  
 LAMINATES  
 RESIN MATRIX COMPOSITES

### PREPROCESSING

RT DATA PROCESSING  
 DATA REDUCTION  
 IMAGE PROCESSING

### PRESBYOPIA

RT VISION

### PRESELECTORS

USE PREAMPLIFIERS

### PRESENTATION

RT INFORMATION

### PRESERVATIVES

RT ADDITIVES  
 ∞ AGENTS  
 ANTICOAGULANTS  
 ANTIOXIDANTS  
 NEUTRALIZERS  
 PENETRANTS  
 PRESERVING  
 RETARDANTS  
 STABILIZERS (AGENTS)

### PRESERVING

GS FOOD PROCESSING  
 . **PRESERVING**  
 RT BIOPAKS  
 ∞ CONTAINERS  
 CORROSION PREVENTION  
 COVERINGS  
 CURING  
 DEGRADATION  
 DEHYDRATED FOOD  
 ∞ FOOD  
 FREEZE DRYING  
 FREEZING  
 FROZEN FOODS

### PRESERVING-(CONT.)

IMPREGNATING  
 IRRADIATION  
 PACKAGING  
 PRESERVATIVES  
 RADIATION EFFECTS  
 REFRIGERATING  
 ∞ STORAGE  
 WEATHERPROOFING

### PRESIDENTIAL REPORTS

GS DOCUMENTS  
 . **PRESIDENTIAL REPORTS**  
 . REPORTS  
 RT **PRESIDENTIAL REPORTS**  
 CONGRESSIONAL REPORTS  
 PAPERS  
 RECORDS

### PRESINTERING

USE SINTERING

### PRESSES

GS **PRESSES**  
 . RAMS (PRESSES)  
 RT COMPACTING  
 HAMMERS  
 MACHINE TOOLS  
 PLATENS  
 ∞ PRESSING  
 PRESSING (FORMING)  
 PUNCHES  
 TOOLS

### ∞ PRESSING

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT COLD PRESSING  
 COMPACTING  
 COMPRESSING  
 HOT ISOSTATIC PRESSING  
 HOT PRESSING  
 PLATENS  
 PRESSES  
 PRESSING (FORMING)

### PRESSING (FORMING)

GS FORMING TECHNIQUES  
 . **PRESSING (FORMING)**  
 . . BLANKING (CUTTING)  
 . . COINING  
 . . STAMPING  
 RT COLD PRESSING  
 COMPACTING  
 EXTRUDING  
 FORGING  
 HOT ISOSTATIC PRESSING  
 HOT PRESSING  
 METAL WORKING  
 MOLDS  
 PRESSES  
 ∞ PRESSING  
 PULTRUSION  
 SIZING (SHAPING)  
 UPSETTING

### PRESSORS

USE VASOCONSTRICTOR DRUGS

### PRESSURE

UF SURFACE PRESSURE  
 GS **PRESSURE**  
 . ATMOSPHERIC PRESSURE  
 . BASE PRESSURE  
 . BLOOD PRESSURE  
 . . DIASTOLIC PRESSURE  
 . . HYPERTENSION  
 . . HYPOTENSION  
 . . LOWER BODY NEGATIVE PRESSURE  
 . . SYSTOLIC PRESSURE  
 . CRITICAL PRESSURE  
 . DENSIFICATION  
 . DIFFERENTIAL PRESSURE  
 . DYNAMIC PRESSURE  
 . FLUID PRESSURE  
 . . WATER PRESSURE  
 . GAS PRESSURE  
 . GEOPRESSURE  
 . HIGH PRESSURE  
 . INLET PRESSURE  
 . INTERNAL PRESSURE  
 . INTRACRANIAL PRESSURE  
 . INTRAOCULAR PRESSURE  
 . ISOSTATIC PRESSURE

**PRESSURE-(CONT.)**

. LOW PRESSURE  
 . HIGH ALTITUDE PRESSURE  
 . MIDDLE EAR PRESSURE  
 . OVERPRESSURE  
 . PARTIAL PRESSURE  
 . OXYGEN TENSION  
 . HYPOXEMIA  
 . PLASMA PRESSURE  
 . RADIATION PRESSURE  
 . ELECTRON PRESSURE  
 . LUMENS  
 . LUMINOUS INTENSITY  
 . ILLUMINANCE  
 . LUMINANCE  
 . SOUND PRESSURE  
 . STAGNATION PRESSURE  
 . STATIC PRESSURE  
 . HYDROSTATIC PRESSURE  
 . SUPERCRITICAL PRESSURES  
 . THRUST CHAMBER PRESSURE  
 . TRANSIENT PRESSURES  
 . TRANSITION PRESSURE  
 . VACUUM  
 . HIGH VACUUM  
 . LOW VACUUM  
 . ULTRAHIGH VACUUM  
 . VAPOR PRESSURE  
 . WALL PRESSURE  
 . WIND PRESSURE  
 RT BARORECEPTORS  
 BLAST LOADS  
 CENTER OF PRESSURE  
 COMPRESSING  
 EAR PRESSURE TEST  
 ELASTIC WAVES  
 ENVIRONMENTS  
 ∞ FORCE  
 FUEL TANK PRESSURIZATION  
 GIBBS-HELMHOLTZ EQUATIONS  
 HEAD (FLUID MECHANICS)  
 HIGH PRESSURE OXYGEN  
 IMPACT  
 ISOBARS (PRESSURE)  
 LOADS (FORCES)  
 NEWTON PRESSURE LAW  
 OSMOSIS  
 PRESSURE BREATHING  
 PRESSURE BROADENING  
 PRESSURE CHAMBERS  
 PRESSURE DISTRIBUTION  
 PRESSURE DRAG  
 ∞ PRESSURE DROP  
 PRESSURE EFFECTS  
 PRESSURE GAGES  
 PRESSURE GRADIENTS  
 PRESSURE HEADS  
 PRESSURE ICE  
 PRESSURE MEASUREMENT  
 PRESSURE MODULATOR RADIOMETERS  
 PRESSURE OSCILLATIONS  
 PRESSURE PULSES  
 PRESSURE RATIO  
 PRESSURE RECORDERS  
 PRESSURE RECOVERY  
 PRESSURE REDUCTION  
 PRESSURE SENSORS  
 PRESSURE SUITS  
 PRESSURE VESSEL DESIGN  
 PRESSURE VESSELS  
 PRESSURE WELDING  
 PRESSURIZED CABINS  
 PRESSURIZED WATER REACTORS  
 PRESSURIZING  
 TEMPERATURE INVERSIONS  
 VACUUM CHAMBERS  
 WEIGHT (MASS)

**PRESSURE BREATHING**

GS RESPIRATION  
 . **PRESSURE BREATHING**  
 RT EMERGENCY BREATHING TECHNIQUES  
 LIQUID BREATHING  
 PRESSURE  
 STRESS (PHYSIOLOGY)

**PRESSURE BROADENING**

RT LINE SPECTRA  
 PRESSURE  
 SPECTROSCOPY

**PRESSURE CABINS**

USE PRESSURIZED CABINS

**PRESSURE CHAMBERS**

GS COMPARTMENTS  
 . TEST CHAMBERS  
 . **PRESSURE CHAMBERS**  
 . . . HYPERBARIC CHAMBERS  
 . . . VACUUM CHAMBERS  
 RT AIR LOCKS  
 ∞ CHAMBERS  
 ENCLOSURES  
 PRESSURE  
 PRESSURIZED CABINS  
 WIND TUNNEL DRIVES

**PRESSURE DEPENDENCE**

RT BURNING RATE  
 HYDROSTATIC PRESSURE  
 REACTION KINETICS

**PRESSURE DISTRIBUTION**

UF PRESSURE FIELDS  
 GS DISTRIBUTION (PROPERTY)  
 . **PRESSURE DISTRIBUTION**  
 RT AERODYNAMIC COEFFICIENTS  
 AERODYNAMIC LOADS  
 AERODYNAMIC STABILITY  
 CENTER OF PRESSURE  
 DIFFERENTIAL PRESSURE  
 ∞ DISTRIBUTION  
 FIELD THEORY (PHYSICS)  
 INFLUENCE COEFFICIENT  
 INTERNAL PRESSURE  
 ISOBARS (PRESSURE)  
 LIFT  
 LOADING MOMENTS  
 LOADS (FORCES)  
 MANOMETERS  
 MASS DISTRIBUTION  
 MOMENT DISTRIBUTION  
 NEWTON PRESSURE LAW  
 PRESSURE  
 ∞ PRESSURE DROP  
 SHOCK WAVE PROFILES  
 SPANWISE BLOWING  
 STATIC LOADS  
 STRUCTURAL DESIGN CRITERIA  
 THEODORSEN TRANSFORMATION  
 THRUST DISTRIBUTION  
 VELOCITY DISTRIBUTION  
 VERTICAL DISTRIBUTION  
 WALL PRESSURE

**PRESSURE DRAG**

GS DYNAMIC CHARACTERISTICS  
 . DRAG  
 . . **PRESSURE DRAG**  
 . . . SUPERSONIC DRAG  
 . . . WAVE DRAG  
 . . . . INTERFERENCE DRAG  
 RT AERODYNAMIC DRAG  
 FRICTION DRAG  
 PRESSURE

**∞ PRESSURE DROP**

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED-CONSULT THE TERMS  
 LISTED BELOW)*

RT FLUID POWER  
 FRICTION  
 GAS FLOW  
 HEAD FLOW  
 INLET FLOW  
 PRESSURE  
 PRESSURE DISTRIBUTION  
 PRESSURE GRADIENTS  
 PRESSURE OSCILLATIONS  
 PRESSURE REDUCTION  
 TWO PHASE FLOW

**PRESSURE EFFECTS**

RT BETA FACTOR  
 COMPRESSIBILITY EFFECTS  
 ∞ EFFECTS  
 JET BLAST EFFECTS  
 LOADS (FORCES)  
 NONISOTHERMAL PROCESSES  
 PRESSURE  
 SUCTION  
 TEMPERATURE EFFECTS  
 TEMPERATURE INVERSIONS  
 TRANSITION PRESSURE  
 VACUUM EFFECTS  
 WIND EFFECTS

**PRESSURE FIELDS**

USE PRESSURE DISTRIBUTION

**PRESSURE GAGES**

UF BOMBS (PRESSURE GAGES)  
 GS MEASURING INSTRUMENTS  
 . **PRESSURE GAGES**  
 . . BAROMETERS  
 . . MANOMETERS  
 . . OSMOMETERS  
 . . PIEZOELECTRIC GAGES  
 . . PIEZOMETERS  
 . . VACUUM GAGES  
 . . IONIZATION GAGES  
 . . . ALPHATRONS  
 . . . BAYARD-ALPERT IONIZATION  
 . . . GAGES  
 . . . PENNING GAGES  
 . . . PHILIPS IONIZATION GAGES  
 . . . KNUDSEN GAGES  
 . . . MCLEOD GAGES  
 . . . PIRANI GAGES  
 RT ∞ BOMBS  
 BOURDON TUBES  
 FLOWMETERS  
 HYPOMETERS  
 PRESSURE  
 SHOCK MEASURING INSTRUMENTS  
 STRAIN GAGE ACCELEROMETERS  
 STRAIN GAGE BALANCES  
 STRAIN GAGES  
 WEIGHT INDICATORS

**PRESSURE GRADIENTS**

GS GRADIENTS  
 . **PRESSURE GRADIENTS**  
 RT ATMOSPHERIC PRESSURE  
 BATHYTHERMOGRAPHS  
 CRITICAL FLOW  
 DIFFERENTIAL PRESSURE  
 FLUID BOUNDARIES  
 FLUID FLOW  
 FRICTION FACTOR  
 GEOPRESSURE  
 HYDRODYNAMICS  
 HYDROSTATICS  
 INLET PRESSURE  
 ISOBARS (PRESSURE)  
 KNUDSEN FLOW  
 LIQUID FLOW  
 LIQUID-LIQUID INTERFACES  
 LIQUID-VAPOR INTERFACES  
 MULTIPHASE FLOW  
 ORIFICE FLOW  
 PIPE FLOW  
 POTENTIAL GRADIENTS  
 PRESSURE  
 ∞ PRESSURE DROP  
 RANKINE-HUGONIOT RELATION  
 STEADY FLOW  
 STEAM FLOW  
 SUBCRITICAL FLOW  
 SUCTION  
 SUPERCRITICAL FLOW  
 UNIFORM FLOW  
 UNSTEADY FLOW  
 VENTURI TUBES

**PRESSURE HEADS**

UF HEAD (PRESSURE)  
 GS FLUID FLOW  
 . HEAD (FLUID MECHANICS)  
 . . **PRESSURE HEADS**  
 RT CENTER OF PRESSURE  
 ELEVATION  
 ∞ HYDRAULICS  
 HYDRODYNAMICS  
 HYDROSTATIC PRESSURE  
 HYDROSTATICS  
 LIQUID FLOW  
 PRESSURE

**PRESSURE ICE**

UF PRESSURE RIDGES  
 GS ICE  
 . SEA ICE  
 . . **PRESSURE ICE**  
 RT COLD WEATHER  
 FREEZING  
 ICE FORMATION  
 LOW TEMPERATURE  
 OCEAN CURRENTS  
 PRESSURE  
 TIDES  
 WIND (METEOROLOGY)  
 WINTER



## PRESSURE MEASUREMENT

### PRESSURE MEASUREMENT

UF TONOMETRY  
GS MECHANICAL MEASUREMENT  
  . **PRESSURE MEASUREMENT**  
RT BAROMETERS  
  BOURDON TUBES  
  DIFFERENTIAL PRESSURE  
  FLOW MEASUREMENT  
  FLOWMETERS  
  IONIZATION GAGES  
  KNUDSEN GAGES  
  MANOMETERS  
  MCLEOD GAGES  
  . MEASUREMENT  
  NOISE METERS  
  PHILIPS IONIZATION GAGES  
  PIRANI GAGES  
  PITOT TUBES  
  PNEUMATIC PROBES  
  PRESSURE  
  VACUUM  
  VACUUM GAGES  
  VELOCITY  
  VELOCITY MEASUREMENT  
  VENTURI TUBES  
  WEIGHT INDICATORS  
  WIND TUNNEL CALIBRATION  
  WIND TUNNEL TESTS

### PRESSURE MODULATOR RADIOMETERS

GS MEASURING INSTRUMENTS  
  . RADIATION MEASURING INSTRUMENTS  
  . . . ACTINOMETERS  
  . . . . RADIOMETERS  
  . . . . **PRESSURE MODULATOR RADIOMETERS**  
RT INFRARED RADIOMETERS  
  PRESSURE

### PRESSURE OSCILLATIONS

GS OSCILLATIONS  
  . **PRESSURE OSCILLATIONS**  
RT ACOUSTIC FREQUENCIES  
  COMBUSTION STABILITY  
  FLAME PROPAGATION  
  PRESSURE  
  . PRESSURE DROP  
  . SOUTHERN OSCILLATION  
  TURBULENT FLOW

### PRESSURE PROBES

USE PRESSURE SENSORS

### PRESSURE PULSES

GS PULSES  
  . **PRESSURE PULSES**  
RT BLAST LOADS  
  FLAME PROPAGATION  
  PRESSURE  
  SHOCK WAVES

### PRESSURE RATIO

GS RATIOS  
  . **PRESSURE RATIO**  
RT FUEL-AIR RATIO  
  LIFT DRAG RATIO  
  MASS RATIOS  
  PAYLOAD MASS RATIO  
  PRESSURE  
  PROPELLANT MASS RATIO  
  STRESS RATIO  
  THRUST-WEIGHT RATIO

### PRESSURE RECORDERS

GS RECORDING INSTRUMENTS  
  . **PRESSURE RECORDERS**  
RT PRESSURE

### PRESSURE RECOVERY

RT . DIFFUSERS  
  EXPLOSIVE DECOMPRESSION  
  FLUID AMPLIFIERS  
  INLET PRESSURE  
  PRESSURE  
  . RECOVERY

### PRESSURE REDUCTION

UF BLEED-OFF  
  DECOMPRESSION  
  DEFLATING  
  DEPRESSURIZATION  
GS **PRESSURE REDUCTION**  
  . EXPLOSIVE DECOMPRESSION  
RT . BLEEDING  
  . COMPRESSING

### PRESSURE REDUCTION-(CONT.)

GAS EXPANSION  
INFLATING  
PRESSURE  
  . PRESSURE DROP  
  . REDUCTION

### PRESSURE REGULATORS

GS CONTROL EQUIPMENT  
  . **PRESSURE REGULATORS**  
  REGULATORS  
  . **PRESSURE REGULATORS**  
  VALVES  
  . AUTOMATIC CONTROL VALVES  
  . . . **PRESSURE REGULATORS**  
RT CONTROLLERS  
  FLOW REGULATORS  
  FUEL TANK PRESSURIZATION  
  OXYGEN REGULATORS  
  PRESSURIZING  
  RELIEF VALVES

### PRESSURE RIDGES

USE PRESSURE ICE

### PRESSURE SENSORS

UF PRESSURE PROBES  
  PRESSURE TRANSDUCERS  
GS TRANSDUCERS  
  . **PRESSURE SENSORS**  
  . . . BOURDON TUBES  
RT ELECTROACOUSTIC WAVES  
  PIEZOELECTRIC GAGES  
  PRESSURE  
  QUARTZ TRANSDUCERS  
  . RAKES  
  SHOCK WAVE GENERATORS  
  TRANSIENT PRESSURES  
  TRANSIENT RESPONSE  
  ULTRASONIC WAVE TRANSDUCERS

### PRESSURE SUITS

GS CLOTHING  
  . PROTECTIVE CLOTHING  
  . . . **PRESSURE SUITS**  
  . . . SPACE SUITS  
  . . . SUITS  
  . . . **PRESSURE SUITS**  
  . . . SPACE SUITS  
RT FLIGHT CLOTHING  
  HELMETS  
  INFLATABLE STRUCTURES  
  LIFE SUPPORT SYSTEMS  
  PORTABLE LIFE SUPPORT SYSTEMS  
  PRESSURE  
  SAFETY DEVICES

### PRESSURE SWITCHES

GS CONTROL EQUIPMENT  
  . **PRESSURE SWITCHES**  
  SWITCHES  
RT . **PRESSURE SWITCHES**  
  ELECTRIC SWITCHES

### PRESSURE TRANSDUCERS

USE PRESSURE SENSORS

### PRESSURE VESSEL DESIGN

GS STRUCTURAL DESIGN  
  . **PRESSURE VESSEL DESIGN**  
RT . DESIGN  
  PERFORATED SHELLS  
  PRESSURE  
  SHELLS (STRUCTURAL FORMS)

### PRESSURE VESSELS

GS **PRESSURE VESSELS**  
  . PREBURNERS  
RT ACCUMULATORS  
  AUTOCLAVES  
  BELLS  
  BOILERS  
  BULBS  
  BURST TESTS  
  . CONTAINERS  
  . DOMES (STRUCTURAL FORMS)  
  FUEL TANK PRESSURIZATION  
  FUEL TANKS  
  HEMISPHERE CYLINDER BODIES  
  ISOTENSOID STRUCTURES  
  PRESSURE  
  PROPELLANT TANKS  
  REACTOR MATERIALS  
  SHALLOW SHELL EQUATIONS  
  SPHERICAL TANKS

### PRESSURE VESSELS-(CONT.)

STORAGE TANKS  
TANKS (CONTAINERS)  
  . VESSELS  
  WALL PRESSURE  
  WIND TUNNEL WALLS

### PRESSURE WAVES

USE ELASTIC WAVES

### PRESSURE WELDING

GS WELDING  
  . **PRESSURE WELDING**  
  . . . DIFFUSION WELDING  
  . . . EXPLOSIVE WELDING  
  . . . ULTRASONIC WELDING  
RT ARC WELDING  
  ELECTRIC WELDING  
  FLASH WELDING  
  FRICTION WELDING  
  FUSION WELDING  
  GAS WELDING  
  PRESSURE  
  SPOT WELDS

### PRESSURIZED CABINS

UF PRESSURE CABINS  
GS COMPARTMENTS  
  . **PRESSURIZED CABINS**  
RT AIRCRAFT COMPARTMENTS  
  CABIN ATMOSPHERES  
  . CABINS  
  COCKPITS  
  EMERGENCY LIFE SUSTAINING  
  SYSTEMS  
  ENVIRONMENTAL CONTROL  
  ESCAPE CAPSULES  
  EXPLOSIVE DECOMPRESSION  
  LIFE SUPPORT SYSTEMS  
  OXYGEN SUPPLY EQUIPMENT  
  PRESSURE  
  PRESSURE CHAMBERS  
  SPACECRAFT CABIN ATMOSPHERES  
  SPACECRAFT CABINS

### PRESSURIZED WATER REACTORS

GS NUCLEAR REACTORS  
  . LIQUID COOLED REACTORS  
  . . . WATER COOLED REACTORS  
  . . . **PRESSURIZED WATER REACTORS**  
  . . . . SPECTRAL SHIFT CONTROL  
  REACTOR  
RT NUCLEAR POWER REACTORS  
  PRESSURE

### PRESSURIZING

GS **PRESSURIZING**  
  . FUEL TANK PRESSURIZATION  
RT ACCUMULATORS  
  DENSIFICATION  
  EXPULSION  
  EXPULSION BLADDERS  
  GAS GENERATORS  
  GAS INJECTION  
  INFLATING  
  PRESSURE  
  PRESSURE REGULATORS  
  STIMULATION

### PRESTON TUBES

USE PITOT TUBES  
  SPEED INDICATORS

### PRETRAINING

USE PRESTRESSING

### PRESTRESSING

UF PRELOADING  
  PRETRAINING  
  PRETWISTING  
GS PREPARATION  
  . PRETREATMENT  
  . . **PRESTRESSING**  
RT ELASTIC DEFORMATION  
  ISOTENSOID STRUCTURES  
  STRESSES  
  STRUCTURAL STRAIN

### PRETESTS

USE TESTS

### PRETREATMENT

GS PREPARATION  
  . **PRETREATMENT**

**PRETREATMENT-(CONT.)**

RT PRESTRESSING  
∞ PRIMING

**PRETWISTING**

USE PRESTRESSING  
TWISTING

**PREVAPORIZATION**

GS PHASE TRANSFORMATIONS  
VAPORIZING  
PREVAPORIZATION  
RT FLASHING (VAPORIZING)  
GASES  
VAPOR PHASES  
VAPORS  
VOLATILITY

**PREVENTION**

GS PREVENTION  
ACCIDENT PREVENTION  
CORROSION PREVENTION  
FIRE PREVENTION  
ICE PREVENTION  
RT BLOCKING  
ETIOLOGY  
∞ INHIBITION  
POLLUTION  
PREEMPTING  
PRETREATMENT  
PROTECTION  
∞ REDUCTION  
∞ RESISTANCE  
RETARDING  
SABOTAGE  
SAFETY  
STOPPING

**PREWHIRLING**

GS PREPARATION  
PREWHIRLING

**PREWHITENING**

GS PREPARATION  
PREWHITENING  
RT COLOR  
∞ TREATMENT

**PRIBRAM METEORITE**

GS CELESTIAL BODIES  
METEORITES  
STONY METEORITES  
CHONDRITES  
PRIBRAM METEORITE  
RT BOLIDES  
METEOR TRAILS

**PRIMARY BATTERIES**

SN (NON-RECHARGEABLE BATTERIES)  
GS ELECTRIC GENERATORS  
DIRECT POWER GENERATORS  
PRIMARY BATTERIES  
ALKALINE BATTERIES  
DRY CELLS  
MAGNESIUM CELLS  
NICKEL ZINC BATTERIES  
METAL AIR BATTERIES  
ZINC-OXYGEN BATTERIES  
SODIUM SULFUR BATTERIES  
THERMAL BATTERIES  
ELECTROCHEMICAL CELLS  
ELECTRIC BATTERIES  
PRIMARY BATTERIES  
ALKALINE BATTERIES  
DRY CELLS  
MAGNESIUM CELLS  
NICKEL ZINC BATTERIES  
METAL AIR BATTERIES  
ZINC-OXYGEN BATTERIES  
SODIUM SULFUR BATTERIES  
THERMAL BATTERIES  
RT CHARGE EFFICIENCY  
ELECTROLYTES  
NONAQUEOUS ELECTROLYTES  
STORAGE BATTERIES  
WET CELLS

**PRIMARY COSMIC RAYS**

UF HEAVY COSMIC RAY PRIMARIES  
GS EXTRATERRESTRIAL RADIATION  
PRIMARY COSMIC RAYS  
SOLAR COSMIC RAYS  
IONIZING RADIATION  
COSMIC RAYS

**PRIMARY COSMIC RAYS-(CONT.)**

PRIMARY COSMIC RAYS  
SOLAR COSMIC RAYS  
PARTICLES  
CORPUSCULAR RADIATION  
PRIMARY COSMIC RAYS  
SOLAR COSMIC RAYS  
COSMIC RAY ALBEDO  
HEAVY NUCLEI  
SECONDARY COSMIC RAYS

**PRIMATES**

GS ANIMALS  
VERTEBRATES  
MAMMALS  
PRIMATES  
APES  
CHIMPANZEES  
BABOONS  
HUMAN BEINGS  
MONKEYS

**PRIMERS**

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT ENGINE PRIMERS  
PRIMERS (COATINGS)  
PRIMERS (EXPLOSIVES)

**PRIMERS (COATINGS)**

GS COATINGS  
PROTECTIVE COATINGS  
PRIMERS (COATINGS)  
RT DOPES  
FILLERS  
FINISHES  
LACQUERS  
METAL COATINGS  
PAINTS  
PRIMERS  
SPRAYED COATINGS  
SUBSTRATES  
VARNISHES

**PRIMERS (EXPLOSIVES)**

GS EXPLOSIVE DEVICES  
INITIATORS (EXPLOSIVES)  
PRIMERS (EXPLOSIVES)  
IGNITERS  
INITIATORS (EXPLOSIVES)  
PRIMERS (EXPLOSIVES)  
RT CAPS (EXPLOSIVES)  
DETONATION  
DETONATORS  
EXPLODING WIRES  
PERCUSSION  
PRIMERS  
SQUIBS

**PRIMING**

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT COATING  
COATINGS  
INITIATION  
PREPARATION  
PRETREATMENT  
STARTING

**PRIMITIVE EARTH ATMOSPHERE**

GS EARTH ATMOSPHERE  
PRIMITIVE EARTH ATMOSPHERE  
RT ATMOSPHERES  
ATMOSPHERIC COMPOSITION  
ATMOSPHERIC ELECTRICITY  
ATMOSPHERIC MODELS  
EARTH PLANETARY STRUCTURE  
FREE ATMOSPHERE  
PLANETARY ATMOSPHERES

**PRIMITIVE EQUATIONS**

RT ATMOSPHERIC BOUNDARY LAYER  
CLIMATOLOGY  
EQUATIONS  
EULER EQUATIONS OF MOTION  
FLUID DYNAMICS  
MATHEMATICS

**PRINCE EDWARD ISLAND**

GS LANDFORMS  
ISLANDS  
PRINCE EDWARD ISLAND  
NATIONS

**PRINCE EDWARD ISLAND-(CONT.)**

CANADA  
PRINCE EDWARD ISLAND

**PRINCE WILLIAM SOUND (AK)**

GS SOUNDS (TOPOGRAPHIC FEATURES)  
PRINCE WILLIAM SOUND (AK)  
RT ALASKA

**PRINCETON SAILWINGS**

USE SAILWINGS

**PRINCIPAL COMPONENTS ANALYSIS**

RT IMAGE PROCESSING  
IMAGING TECHNIQUES  
KARHUNEN-LOEVE EXPANSION  
PATTERN RECOGNITION

**PRINCIPLES**

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT DUALITY PRINCIPLE  
LOGIC  
MATHEMATICS

**PRINTED CIRCUITS**

GS CIRCUITS  
PRINTED CIRCUITS  
RT BREADBOARD MODELS  
CIRCUIT BOARDS  
ELECTRONIC PACKAGING  
HYBRID CIRCUITS  
INTEGRATED CIRCUITS  
LARGE SCALE INTEGRATION  
MEDIUM SCALE INTEGRATION  
MINIATURE ELECTRONIC EQUIPMENT  
MINIATURIZATION  
PHOTOMASKS  
SUBMINIATURIZATION  
THICK FILMS  
TRANSISTOR CIRCUITS

**PRINTED RESISTORS**

GS ATTENUATORS  
RESISTORS  
PRINTED RESISTORS  
RT MINIATURIZATION

**PRINTERS**

GS PRINTERS  
PRINTERS (DATA PROCESSING)  
TELEPRINTERS  
RT CATHODE RAY TUBES  
DATA PROCESSING EQUIPMENT  
PLOTTERS  
PRINTING  
PROJECTORS  
TYPEWRITERS

**PRINTERS (DATA PROCESSING)**

GS DATA PROCESSING EQUIPMENT  
PERIPHERAL EQUIPMENT  
(COMPUTERS)  
PRINTERS (DATA PROCESSING)  
PRINTERS  
PRINTERS (DATA PROCESSING)  
RT AUTOMATIC TYPEWRITERS  
COMPUTERS  
DATA  
DISPLAY DEVICES  
PRINTOUTS  
READOUT  
TELEPRINTERS

**PRINTING**

GS PRINTING  
LITHOGRAPHY  
PHOTOLITHOGRAPHY  
RT BINDING  
CONTRAST  
ELECTRONOGRAPHY  
ENGRAVING  
INKS  
LEGIBILITY  
PHOTOENGRAVING  
PHOTOGRAPHIC PROCESSING  
PHOTOMECHANICAL EFFECT  
PLOTTER  
PRINTERS  
READING  
REPRODUCTION (COPYING)  
STENCIL PROCESSES

## PRINTOUTS

### PRINTOUTS

RT FORMAT  
LISTS  
OUTPUT  
PRINTERS (DATA PROCESSING)  
READOUT  
TABLES (DATA)

### PRIORITIES

RT ENGINEERING MANAGEMENT  
PROJECT PLANNING  
RESEARCH MANAGEMENT  
RESOURCE ALLOCATION  
SEQUENCING

### PRISMATIC BARS

GS BARS  
. PRISMATIC BARS  
OPTICAL EQUIPMENT  
. PRISMS  
. PRISMATIC BARS

### PRISMS

GS OPTICAL EQUIPMENT  
. PRISMS  
. PRISMATIC BARS  
RT PHOTOELASTICITY  
REFRACTION

### PRIVACY

RT COMPUTER INFORMATION SECURITY  
INFORMATION  
INFORMATION DISSEMINATION  
INTEGRITY  
PAPERS  
RECORDING  
RECORDS  
SECURITY

### PRIVATE AIRCRAFT

USE GENERAL AVIATION AIRCRAFT

### PROBABILITY

USE PROBABILITY THEORY

### PROBABILITY DENSITY FUNCTIONS

GS FUNCTIONS (MATHEMATICS)  
. PROBABILITY DENSITY FUNCTIONS  
. NORMAL DENSITY FUNCTIONS  
. PEARSON DISTRIBUTIONS  
. RAYLEIGH DISTRIBUTION  
. WEIBULL DENSITY FUNCTIONS  
STATISTICAL ANALYSIS  
. PROBABILITY DENSITY FUNCTIONS  
. NORMAL DENSITY FUNCTIONS  
. PEARSON DISTRIBUTIONS  
. RAYLEIGH DISTRIBUTION  
. WEIBULL DENSITY FUNCTIONS  
RT BINOMIAL THEOREM  
CENSORED DATA (MATHEMATICS)  
CONTINUITY (MATHEMATICS)  
DISCRETE FUNCTIONS  
EVENTS  
EXPECTANCY HYPOTHESIS  
EXPONENTIAL FUNCTIONS  
FAILURE ANALYSIS  
GAS DENSITY  
MILLS RATIO  
QUANTILES

### PROBABILITY DISTRIBUTION FUNCTIONS

GS FUNCTIONS (MATHEMATICS)  
. PROBABILITY DISTRIBUTION  
FUNCTIONS  
STATISTICAL ANALYSIS  
. PROBABILITY DISTRIBUTION  
FUNCTIONS  
STATISTICAL DISTRIBUTIONS  
. PROBABILITY DISTRIBUTION  
FUNCTIONS  
RT DISCRETE FUNCTIONS  
GOODNESS OF FIT

### PROBABILITY THEORY

UF PROBABILITY  
STATISTICAL PROBABILITY  
RT . APPLICATIONS OF MATHEMATICS  
BINOMIAL THEOREM  
BOREL SETS  
COMBINATORIAL ANALYSIS  
CONFIDENCE  
. CONJUNCTION  
CONSECUTIVE EVENTS  
CONTINUUMS

### PROBABILITY THEORY-(CONT.)

CORRELATION  
DECISION THEORY  
DISTRIBUTION FUNCTIONS  
DUFFING DIFFERENTIAL EQUATION  
EINSTEIN EQUATIONS  
ERGODIC PROCESS  
ERROR ANALYSIS  
EVENTS  
EXTREMUM VALUES  
FORECASTING  
FUZZY SYSTEMS  
GAME THEORY  
GOODNESS OF FIT  
. INDICATION  
INFINITY  
INFORMATION THEORY  
ITERATION  
LIKELIHOOD RATIO  
MARTINGALES  
. MATHEMATICS  
. MAXWELL-BOLTZMANN DENSITY  
FUNCTION  
MINKOWSKI SPACE  
MONTE CARLO METHOD  
OPERATIONS RESEARCH  
OUTLIERS (STATISTICS)  
PARAMETER IDENTIFICATION  
POPULATION THEORY  
QUALITY CONTROL  
RANDOM ERRORS  
RANDOM NOISE  
RELIABILITY  
SAMPLING  
STATISTICAL ANALYSIS  
STATISTICAL DISTRIBUTIONS  
. STATISTICS  
STIELTJES INTEGRAL  
STOCHASTIC PROCESSES  
SUBGROUPS  
SYSTEM IDENTIFICATION  
. THEORIES  
TRANSITION PROBABILITIES  
TRAVELING SALESMAN PROBLEM  
UNIQUENESS THEOREM

### PROBE METHOD (FORECASTING)

GS FORECASTING  
. TECHNOLOGICAL FORECASTING  
. . PROBE METHOD (FORECASTING)  
MANAGEMENT METHODS  
RT . PROBE METHOD (FORECASTING)  
DELPHI METHOD (FORECASTING)  
ESTIMATING  
. METHODOLOGY  
OPERATIONS RESEARCH  
PATTERN METHOD (FORECASTING)  
PLANNING  
PREDICTIONS  
PROFILE METHOD (FORECASTING)  
TECHNOLOGY ASSESSMENT

### . PROBES

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT GALILEO PROBE  
GAS DETECTORS  
MEASURING INSTRUMENTS  
PIONEER VENUS SPACECRAFT  
PIONEER VENUS 1 SPACECRAFT  
PIONEER VENUS 2 ENTRY PROBES  
PIONEER VENUS 2 NIGHT PROBE  
PIONEER VENUS 2 SPACECRAFT  
PIONEER VENUS 2 TRANSPORTER BUS  
PIONEER 8 SPACE PROBE  
PIONEER 9 SPACE PROBE  
PIONEER 10 SPACE PROBE  
PIONEER 11 SPACE PROBE  
RADIO PROBING  
REMOTE SENSORS  
SONDES  
SPACE PROBES  
TRANSDUCERS

### PROBLEM SOLVING

GS PROBLEM SOLVING  
. ALTERNATING DIRECTION IMPLICIT  
METHODS  
. ASYMPTOTIC METHODS  
. ITERATIVE SOLUTION  
. THEOREM PROVING  
RT APPROXIMATION  
BACKWARD DIFFERENCING  
COMPUTATIONAL GRIDS

### PROBLEM SOLVING-(CONT.)

CRANK-NICHOLSON METHOD  
DECISION MAKING  
DINING PHILOSOPHERS PROBLEM  
EXISTENCE THEOREMS  
GROUP DYNAMICS  
HOMOTROPY  
HOUSEHOLDER TRANSFORMATIONS  
ITERATION  
LEARNING THEORY  
MANAGEMENT  
MAZE LEARNING  
. METHODOLOGY  
NEWTON METHODS  
SIMPLEX METHOD  
. SOLUTION

### . PROBLEMS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT BOLZA PROBLEMS  
BOUNDARY VALUE PROBLEMS  
CAUCHY PROBLEM  
CHAPMAN-FERRARO PROBLEM  
DIRICHLET PROBLEM  
FOUR BODY PROBLEM  
ISOPERIMETRIC PROBLEM  
MANY BODY PROBLEM  
MAYER PROBLEM  
NEUMANN PROBLEM  
OPERATIONAL PROBLEMS  
POINCARÉ PROBLEM  
PRELAUNCH PROBLEMS  
THREE BODY PROBLEM  
TRACKING PROBLEM  
TRAVELING SALESMAN PROBLEM  
TWO BODY PROBLEM

### PROCEDURES

UF METHODS  
PRACTICES  
GS PROCEDURES  
. BOUNDARY INTEGRAL METHOD  
. CREW PROCEDURES (INFLIGHT)  
. CREW PROCEDURES (PREFLIGHT)  
. FINITE ELEMENT METHOD  
. FINITE VOLUME METHOD  
. GLIMM METHOD  
. OPTICAL CORRECTION PROCEDURE  
. PANEL METHOD (FLUID DYNAMICS)  
RT PROCUREMENT POLICY  
SYSTEMS ANALYSIS

### PROCEEDINGS

USE CONFERENCES  
CONGRESSIONAL REPORTS

### PROCESS CONTROL (INDUSTRY)

RT COMPONENT RELIABILITY  
. CONTROL  
. PRODUCT DEVELOPMENT  
QUALITY CONTROL  
SAMPLING  
SPECIFICATIONS

### PROCESS HEAT

GS HEAT  
. PROCESS HEAT  
RT HEAT GENERATION

### . PROCESSES

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT AUTOREGRESSIVE PROCESSES  
ISENTROPIC PROCESSES  
JET MEMBRANE PROCESS  
KRAFT PROCESS (WOODPULP)  
NONISENTROPICITY  
NONISOTHERMAL PROCESSES  
ORNSTEIN-UHLENBECK PROCESS  
PRODUCT DEVELOPMENT  
QUALITY CONTROL  
SOL-GEL PROCESSES  
SPACE INDUSTRIALIZATION  
UMKLAPP PROCESS

### . PROCESSING

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT ASSOCIATIVE PROCESSING  
(COMPUTERS)  
BATCH PROCESSING

## PROGRAMMED INSTRUCTION

### PROCESSING-(CONT.)

DATA PROCESSING  
FOOD PROCESSING  
IMAGE PROCESSING  
MANUFACTURING  
MATERIALS RECOVERY  
MESSAGE PROCESSING  
NUCLEAR FUEL REPROCESSING  
OPTICAL DATA PROCESSING  
PHOTOGRAPHIC PROCESSING  
PRODUCTION ENGINEERING  
RECYCLING  
REFINING  
RETORT PROCESSING  
SETTLING  
SIGNAL PROCESSING  
WET SPINNING

### PROCESSORS (COMPUTERS)

USE CENTRAL PROCESSING UNITS

### PROCUREMENT

GS **PROCUREMENT**  
    . GOVERNMENT PROCUREMENT  
    . LEASING  
RT CONTRACTS  
    EQUIPMENT SPECIFICATIONS  
    GOVERNMENT/INDUSTRY RELATIONS  
∞ RECEIVING  
SERVICES  
SPECIFICATIONS  
SUBCONTRACTS

### PROCUREMENT MANAGEMENT

GS MANAGEMENT  
    . **PROCUREMENT MANAGEMENT**  
RT ALLOCATIONS  
BUDGETING  
∞ BUDGETS  
COMMODITIES  
FEDERAL BUDGETS  
FINANCIAL MANAGEMENT  
INVENTORY MANAGEMENT  
PRODUCTS  
SERVICES

### PROCUREMENT POLICY

GS POLICIES  
    . **PROCUREMENT POLICY**  
RT DECISIONS  
MANAGEMENT  
PROCEDURES  
REGULATIONS  
RULES

### PRODUCT DEVELOPMENT

UF ENGINEERING DEVELOPMENT  
GS **PRODUCT DEVELOPMENT**  
    . WEAPONS DEVELOPMENT  
RT AIRCRAFT DESIGN  
    AIRCRAFT PRODUCTION  
    AMPLIFIER DESIGN  
    ANTENNA DESIGN  
    BREADBOARD MODELS  
    COMMERCE  
    COMPUTER DESIGN  
    CONSUMERS  
∞ DESIGN  
∞ DEVELOPMENT  
ENGINE DESIGN  
FUNCTIONAL DESIGN SPECIFICATIONS  
HELICOPTER DESIGN  
INVENTIONS  
LENS DESIGN  
MANAGEMENT  
MARKET RESEARCH  
MARKETING  
PATENT APPLICATIONS  
PATENT POLICY  
PILOT PLANTS  
PROCESS CONTROL (INDUSTRY)  
∞ PROCESSES  
∞ PRODUCTION  
PRODUCTION ENGINEERING  
QUALITY  
QUALITY CONTROL  
REACTOR DESIGN  
RELIABILITY  
SATELLITE DESIGN  
SOLVENT REFINED COAL  
SPACE INDUSTRIALIZATION  
SPACECRAFT DESIGN  
STANDARDIZATION  
STRUCTURAL DESIGN

### ∞ PRODUCTION

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT AIRCRAFT PRODUCTION  
FOOD PRODUCTION (IN SPACE)  
FUEL PRODUCTION  
OUTPUT  
PRODUCT DEVELOPMENT  
PRODUCTION ENGINEERING  
PRODUCTION PLANNING  
RESERVES  
TOOLS

### PRODUCTION COSTS

GS **PRODUCTION COSTS**  
    . AIRCRAFT PRODUCTION COSTS  
RT COST ANALYSIS  
COST ESTIMATES  
DESIGN TO COST  
LIFE CYCLE COSTS  
OPERATING COSTS

### PRODUCTION ENGINEERING

UF PRODUCTION METHODS  
GS **PRODUCTION ENGINEERING**  
    . PRODUCTION PLANNING  
RT AIRCRAFT PRODUCTION  
AIRCRAFT PRODUCTION COSTS  
∞ CAPACITY  
∞ ENGINEERING  
HUMAN FACTORS ENGINEERING  
LASER APPLICATIONS  
MANAGEMENT  
NUMERICAL CONTROL  
∞ OPERATIONS  
PLANNING  
∞ PROCESSING  
PRODUCT DEVELOPMENT  
∞ PRODUCTION  
PRODUCTIVITY  
PRODUCTS  
SCHEDULING  
STANDARDIZATION

### PRODUCTION MANAGEMENT

GS MANAGEMENT  
    . **PRODUCTION MANAGEMENT**  
RT AIRCRAFT PRODUCTION COSTS  
EMPLOYEE RELATIONS  
ESTIMATES  
FABRICATION  
INDUSTRIAL MANAGEMENT  
MANUFACTURING  
QUALITY CONTROL  
RELIABILITY  
RESOURCES  
SAFETY MANAGEMENT

### PRODUCTION METHODS

USE PRODUCTION ENGINEERING

### PRODUCTION PLANNING

GS PLANNING  
    . MANAGEMENT PLANNING  
    . **PRODUCTION PLANNING**  
PRODUCTION ENGINEERING  
    . **PRODUCTION PLANNING**  
RT SCHEDULES

### PRODUCTIVITY

RT AIRCRAFT PRODUCTION COSTS  
ALLOWANCES  
EFFICIENCY  
MATRIX MANAGEMENT  
MORALE  
PRODUCTION ENGINEERING  
RELIABILITY  
WORKSTATIONS

### PRODUCTS

GS **PRODUCTS**  
    . GREASES  
    . GROSS NATIONAL PRODUCT  
    . PETROLEUM PRODUCTS  
    . ASPHALT  
    . DIESEL FUELS  
    . GASOLINE  
    . TARS  
    . REACTION PRODUCTS  
RT BY-PRODUCTS  
COMBUSTION PRODUCTS  
COMMODITIES  
FISSION PRODUCTS  
MANUFACTURING

### PRODUCTS-(CONT.)

OUTPUT  
PROCUREMENT MANAGEMENT  
PRODUCTION ENGINEERING  
QUALITY CONTROL  
RESOURCE ALLOCATION  
SERVICES  
SPACE INDUSTRIALIZATION

### PROFICIENCY

USE ABILITIES

### PROFILE METHOD (FORECASTING)

GS FORECASTING  
    . TECHNOLOGICAL FORECASTING  
    . **PROFILE METHOD (FORECASTING)**  
MANAGEMENT METHODS  
    . **PROFILE METHOD (FORECASTING)**  
RT DELPHI METHOD (FORECASTING)  
ESTIMATING  
∞ METHODOLOGY  
OPERATIONS RESEARCH  
PLANNING  
PREDICTIONS  
PROBE METHOD (FORECASTING)  
TECHNOLOGY ASSESSMENT

### ∞ PROFILES

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT AIRFOIL PROFILES  
ANGLES (GEOMETRY)  
CURVATURE  
DELINEATION  
DISTRIBUTION (PROPERTY)  
GEOMETRY  
GRADIENTS  
LINE SHAPE  
PLANFORMS  
PROFILOMETERS  
SEARCH PROFILES  
SHAPES  
SHOCK WAVE PROFILES  
SLOPES  
STREAMLINING  
TOPOGRAPHY  
WIND PROFILES

### PROFILOMETERS

GS MEASURING INSTRUMENTS  
    . **PROFILOMETERS**  
RT ∞ PROFILES  
ROUGHNESS  
SHAPES  
SURFACE PROPERTIES  
SURFACE ROUGHNESS

### PROGENY

RT CHILDREN  
REPRODUCTION (BIOLOGY)

### PROGNOSIS

RT DIAGNOSIS

### PROGNOZ SATELLITES

GS ARTIFICIAL SATELLITES  
    . SOVIET SATELLITES  
    . **PROGNOZ SATELLITES**

### PROGRAM EVALUATION REVIEW TECHNIQUE

USE PERT

### PROGRAM MANAGEMENT

USE PROJECT MANAGEMENT

### PROGRAM TREND LINE ANALYSIS

RT CRITICAL PATH METHOD  
MANAGEMENT PLANNING  
PERT  
PROGRAMS  
PROJECT MANAGEMENT

### PROGRAM VERIFICATION (COMPUTERS)

RT CHECKOUT  
COMPUTER PROGRAMMING  
FILE MAINTENANCE (COMPUTERS)  
PROVING  
SOFTWARE TOOLS  
SYSTEMS ANALYSIS  
∞ TESTS

### PROGRAMMED INSTRUCTION

GS **PROGRAMMED INSTRUCTION**

## PROGRAMMERS

### PROGRAMMED INSTRUCTION-(CONT.)

RT . COMPUTER ASSISTED INSTRUCTION  
COMPIERS  
COMPUTER PROGRAMMING  
COMPUTER PROGRAMS

### PROGRAMMERS

GS PERSONNEL  
PROGRAMMERS  
RT CODERS  
COMPUTER PROGRAMMING  
FILE MAINTENANCE (COMPUTERS)

### ∞ PROGRAMMING

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*

RT COMPUTER PROGRAMMING  
DYNAMIC PROGRAMMING  
FILE MAINTENANCE (COMPUTERS)  
LINEAR PROGRAMMING  
MATHEMATICAL PROGRAMMING  
MICROPROGRAMMING  
MULTIPROGRAMMING  
NONLINEAR PROGRAMMING  
QUADRATIC PROGRAMMING

### PROGRAMMING (SCHEDULING)

GS PROGRAMMING (SCHEDULING)  
THRUST PROGRAMMING  
RT CRITICAL PATH METHOD  
∞ STEPS

### PROGRAMMING LANGUAGES

GS LANGUAGES  
PROGRAMMING LANGUAGES  
ALGOL  
APL (PROGRAMMING LANGUAGE)  
ASSEMBLY LANGUAGE  
AUTOCODERS  
COMPASS (PROGRAMMING  
LANGUAGE)  
MAP (PROGRAMMING LANGUAGE)  
BASIC (PROGRAMMING LANGUAGE)  
COBOL  
COGO (PROGRAMMING LANGUAGE)  
CONTEXT FREE LANGUAGES  
FORTRAN  
HAL/S (LANGUAGE)  
HIGH LEVEL LANGUAGES  
ADA (PROGRAMMING LANGUAGE)  
LISP (PROGRAMMING LANGUAGE)  
MACHINE ORIENTED LANGUAGES  
MARVS (PROGRAMMING  
LANGUAGE)  
SLEUTH (PROGRAMMING  
LANGUAGE)  
NATURAL LANGUAGE (COMPUTERS)  
PASCAL (PROGRAMMING LANGUAGE)  
PL/1  
PROLOG (PROGRAMMING LANGUAGE)  
RT COMPUTER PROGRAMMING

### PROGRAMS

GS PROGRAMS  
ARMY-NAVY INSTRUMENTATION  
PROGRAM  
COMSAT PROGRAM  
DEFENSE PROGRAM  
DOWNRANGE ANTIMISSILE  
MEASUREMENT PROGRAM  
GLOBAL ATMOSPHERIC RESEARCH  
PROGRAM  
GARP ATLANTIC TROPICAL  
EXPERIMENT  
GULLIVER PROGRAM  
INTERNATIONAL  
GEOSPHERE-BIOSPHERE PROGRAM  
LUNAR PROGRAMS  
APOLLO PROJECT  
SURVEYOR PROJECT  
NASA PROGRAMS  
ACEE PROGRAM  
ASSESS PROGRAM  
ATLIT PROJECT  
DAST PROGRAM  
NASA SPACE PROGRAMS  
APOLLO APPLICATIONS PROGRAM  
APOLLO PROJECT  
BIOASTRONAUTICAL ORBITAL  
SPACE SYSTEM  
CENTAUR PROJECT  
EARTH & OCEAN PHYSICS  
APPLICATIONS PROGRAM  
EARTH RESOURCES PROGRAM

### PROGRAMS-(CONT.)

EARTH RESOURCES SURVEY  
PROGRAM  
SEASAT PROGRAM  
ECHO PROJECT  
GALILEO PROJECT  
GEMINI PROJECT  
HELIOS PROJECT  
JUPITER PROJECT  
MAGELLAN PROJECT (NASA)  
MARINER PROGRAM  
MARINER VENUS-MERCURY 1973  
MARINER-MERCURY 1973  
MARS 69 PROJECT  
MARS 71 PROJECT  
MERCURY PROJECT  
NATIONAL LAUNCH VEHICLE  
PROGRAM  
NEW MOONS PROJECT  
NIMBUS PROJECT  
OPEN PROJECT  
PIONEER PROJECT  
PROJECT SETI  
RANGER PROJECT  
AGENA B RANGER PROGRAM  
ROVER PROJECT  
SAIL PROJECT  
SATURN PROJECT  
SCOUT PROJECT  
SKYLAB PROGRAM  
STARPROBE MISSION  
SURVEYOR PROJECT  
SYNCHRONOUS COMMUNICATIONS  
SATELLITE PROJ  
TEKTITE PROJECT  
TIROS PROJECT  
TITAN PROJECT  
VANGUARD PROJECT  
VIKING MARS PROGRAM  
VOYAGER PROJECT  
NATIONAL AEROSPACE PLANE  
PROGRAM  
QUIET ENGINE PROGRAM  
SUPERSONIC CRUISE AIRCRAFT  
RESEARCH  
TACT PROGRAM  
TERMINAL CONFIGURED VEHICLE  
PROGRAM  
TILT ROTOR RESEARCH AIRCRAFT  
PROGRAM  
PANT PROGRAM  
PROJECTS  
ADVENT PROJECT  
AGRISTARS PROJECT  
ALARM PROJECT  
ALOUETTE PROJECT  
APOLLO PROJECT  
APOLLO SOYUZ TEST PROJECT  
ARGUS PROJECT  
ASSET PROJECT  
ATLIT PROJECT  
BIG SHOT PROJECT  
BIOS PROJECT  
BUMBLEBEE PROJECT  
CENTAUR PROJECT  
DEFENDER PROJECT  
EARTH & OCEAN PHYSICS  
APPLICATIONS PROGRAM  
ECHO PROJECT  
ECLIPSE PROJECT  
EXPERIMENTAL REFLECTOR ORBITAL  
SHOT PROJ  
GALILEO PROJECT  
GEMINI PROJECT  
GEOSARI PROJECT  
HARVARD RADIO METEOR PROJECT  
HELIOS PROJECT  
JUPITER PROJECT  
MAGELLAN PROJECT (NASA)  
MARS 69 PROJECT  
MARS 71 PROJECT  
MERCURY PROJECT  
NEW MOONS PROJECT  
NIKE PROJECT  
NIMBUS PROJECT  
OPEN PROJECT  
PIONEER PROJECT  
PROJECT SETI  
RADIO ATTENUATION MEASUREMENT  
PROJECT  
RAND PROJECT  
RANGER PROJECT  
AGENA B RANGER PROGRAM  
ROVER PROJECT  
SAIL PROJECT  
SATURN PROJECT

### PROGRAMS-(CONT.)

SCANNER PROJECT  
SCOUT PROJECT  
SEAFARER PROJECT  
SQUID PROJECT  
SUBMARINE INTEGRATED CONTROL  
PROJECT  
SUCCESS PROJECT  
SURVEYOR PROJECT  
SYNCHRONOUS COMMUNICATIONS  
SATELLITE PROJ  
TELSTAR PROJECT  
THEMIS PROJECT  
TIROS PROJECT  
TITAN PROJECT  
VANGUARD PROJECT  
VOYAGER PROJECT  
WEST FORD PROJECT  
RADAR TARGET SCATTER SITE  
PROGRAM  
SOURCE PROGRAMS  
SPACE PROGRAMS  
BRAZILIAN SPACE PROGRAM  
CANADIAN SPACE PROGRAM  
ALOUETTE PROJECT  
CHINESE SPACE PROGRAM  
EUROPEAN SPACE PROGRAMS  
FRENCH SPACE PROGRAMS  
GEOGRAPHIC APPLICATIONS  
PROGRAM  
INDIAN SPACE PROGRAM  
INDONESIAN SPACE PROGRAM  
ITALIAN SPACE PROGRAM  
JAPANESE SPACE PROGRAM  
NASA SPACE PROGRAMS  
APOLLO APPLICATIONS PROGRAM  
APOLLO PROJECT  
BIOASTRONAUTICAL ORBITAL  
SPACE SYSTEM  
CENTAUR PROJECT  
EARTH & OCEAN PHYSICS  
APPLICATIONS PROGRAM  
EARTH RESOURCES PROGRAM  
EARTH RESOURCES SURVEY  
PROGRAM  
SEASAT PROGRAM  
ECHO PROJECT  
GALILEO PROJECT  
GEMINI PROJECT  
HELIOS PROJECT  
JUPITER PROJECT  
MAGELLAN PROJECT (NASA)  
MARINER PROGRAM  
MARINER VENUS-MERCURY 1973  
MARINER-MERCURY 1973  
MARS 69 PROJECT  
MARS 71 PROJECT  
MERCURY PROJECT  
NATIONAL LAUNCH VEHICLE  
PROGRAM  
NEW MOONS PROJECT  
NIMBUS PROJECT  
OPEN PROJECT  
PIONEER PROJECT  
PROJECT SETI  
RANGER PROJECT  
AGENA B RANGER PROGRAM  
ROVER PROJECT  
SAIL PROJECT  
SATURN PROJECT  
SCOUT PROJECT  
SKYLAB PROGRAM  
STARPROBE MISSION  
SURVEYOR PROJECT  
SYNCHRONOUS COMMUNICATIONS  
SATELLITE PROJ  
TEKTITE PROJECT  
TIROS PROJECT  
TITAN PROJECT  
VANGUARD PROJECT  
VIKING MARS PROGRAM  
VOYAGER PROJECT  
SAUDI ARABIAN SPACE PROGRAM  
SWEDISH SPACE PROGRAM  
SWISS SPACE PROGRAM  
U.S.S.R. SPACE PROGRAM  
UK SPACE PROGRAM  
STARSITE PROGRAM  
TRAP PROGRAM  
UNIVERSITY PROGRAM  
BUREAUS (ORGANIZATIONS)  
COMMITTEE ON SPACE RESEARCH  
COMPUTER PROGRAM INTEGRITY  
COMPUTER PROGRAMS  
EARTH RESOURCES INFORMATION  
SYSTEM

RT

**PROGRAMS-(CONT.)**

INVESTIGATION  
MISSION PLANNING  
∞ MISSIONS  
∞ OPERATIONS  
PROGRAM TREND LINE ANALYSIS  
RESEARCH AND DEVELOPMENT  
∞ RESEARCH PROJECTS  
SEASAT SATELLITES  
SEASAT 1  
SEASAT-B SATELLITE  
SOLAR MAXIMUM MISSION  
SYNCHRONOUS EARTH OBSERVATORY  
SATELLITE  
USER MANUALS (COMPUTER  
PROGRAMS)

**PROGRESS**

RT ECONOMICS  
MANAGEMENT  
PLANNING  
∞ PROPERTIES

**PROGRESSIONS**

GS ANALYSIS (MATHEMATICS)  
CALCULUS  
SERIES (MATHEMATICS)  
PROGRESSIONS  
REAL VARIABLES  
SERIES (MATHEMATICS)  
PROGRESSIONS

**PROHIBITION**

RT LEGAL LIABILITY  
PENALTIES  
POLICIES  
REGULATIONS

**PROJECT MANAGEMENT**

UF PROGRAM MANAGEMENT  
GS MANAGEMENT  
PROJECT MANAGEMENT  
RT COMMERCE  
CONTRACT MANAGEMENT  
CRITICAL PATH METHOD  
GERT  
INTERFACES  
MANAGEMENT PLANNING  
MANAGEMENT SYSTEMS  
MISSION PLANNING  
PERT  
PROGRAM TREND LINE ANALYSIS  
PROJECTS  
RESEARCH AND DEVELOPMENT  
∞ RESEARCH PROJECTS  
WEAPON SYSTEM MANAGEMENT

**PROJECT PLANNING**

GS PLANNING  
MANAGEMENT PLANNING  
PROJECT PLANNING  
RT ALLOCATIONS  
BUDGETING  
DECISIONS  
ESTIMATES  
FORECASTING  
GOALS  
MANAGEMENT  
MATRIX MANAGEMENT  
∞ MISSIONS  
NASA INTERACTIVE PLANNING SYSTEM  
OPERATIONS RESEARCH  
PRIORITIES  
PROJECTS

**PROJECT SETI**

UF SEARCH FOR EXTRATERRESTRIAL  
INTELLIGENCE  
SETI  
GS PROGRAMS  
NASA PROGRAMS  
NASA SPACE PROGRAMS  
PROJECT SETI  
PROJECTS  
PROJECT SETI  
SPACE PROGRAMS  
NASA SPACE PROGRAMS  
PROJECT SETI  
RT EXTRATERRESTRIAL INTELLIGENCE  
RADIO COMMUNICATION  
RADIO SIGNALS

**PROJECTILE CRATERING**

UF HYPERVELOCITY CRATERING  
GS CRATERING

**PROJECTILE CRATERING-(CONT.)**

PROJECTILE CRATERING  
RT EJECTA  
HYPERVELOCITY IMPACT  
HYPERVELOCITY PROJECTILES  
METEORITE CRATERS  
METEORITIC DAMAGE  
METEOROID HAZARDS

**PROJECTILE PENETRATION**

USE TERMINAL BALLISTICS

**PROJECTILES**

GS PROJECTILES  
HYPERVELOCITY PROJECTILES  
PRECISION GUIDED PROJECTILES  
SABOT PROJECTILES  
RT AMMUNITION  
BALLISTICS  
BOMBS (ORDNANCE)  
CARTRIDGES  
FINNED BODIES  
GUNFIRE  
GUNS (ORDNANCE)  
INCENDIARY AMMUNITION  
NUCLEAR WEAPONS  
PYROTECHNICS  
SHAPED CHARGES  
SHRAPNEL  
TERMINAL BALLISTICS  
TERRADYNAMICS  
WARHEADS  
WEAPONS

**PROJECTION**

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT BONNE PROJECTION  
DESCRIPTIVE GEOMETRY  
DRAWINGS  
FORECASTING  
GNOMONIC PROJECTION  
GRAPHIC ARTS  
ILLUMINATING  
MAGNIFICATION  
PREDICTIONS  
PROJECTORS  
TRENDS

**PROJECTIVE GEOMETRY**

GS GEOMETRY  
EUCLIDEAN GEOMETRY  
PROJECTIVE GEOMETRY  
MERCATOR PROJECTION  
RT ANALYTIC GEOMETRY  
DESCRIPTIVE GEOMETRY  
GNOMONIC PROJECTION  
RECIPROCAL THEOREMS

**PROJECTORS**

SN (LIGHT AND IMAGE)  
RT BEACONS  
ILLUMINATING  
LUMINAIRES  
MOTION PICTURES  
PHOTOGRAMMETRY  
PHOTOGRAPHIC EQUIPMENT  
PHOTOGRAPHY  
PRINTERS  
∞ PROJECTION  
SEARCHLIGHTS

**PROJECTS**

GS PROGRAMS  
PROJECTS  
ADVENT PROJECT  
AGRISTARS PROJECT  
ALARM PROJECT  
ALOUETTE PROJECT  
APOLLO PROJECT  
APOLLO SOYUZ TEST PROJECT  
ARGUS PROJECT  
ASSET PROJECT  
ATUT PROJECT  
BIG SHOT PROJECT  
BIOS PROJECT  
BUMBLEBEE PROJECT  
CENTAUR PROJECT  
DEFENDER PROJECT  
EARTH & OCEAN PHYSICS  
APPLICATIONS PROGRAM  
ECHO PROJECT  
ECLIPSE PROJECT

**PROJECTS-(CONT.)**

EXPERIMENTAL REFLECTOR ORBITAL  
SHOT PROJ  
GALILEO PROJECT  
GEMINI PROJECT  
GEOSARI PROJECT  
HARVARD RADIO METEOR PROJECT  
HELIOS PROJECT  
JUPITER PROJECT  
MAGELLAN PROJECT (NASA)  
MARS 69 PROJECT  
MARS 71 PROJECT  
MERCURY PROJECT  
NEW MOONS PROJECT  
NIKE PROJECT  
NIMBUS PROJECT  
OPEN PROJECT  
PIONEER PROJECT  
PROJECT SETI  
RADIO ATTENUATION MEASUREMENT  
PROJECT  
RAND PROJECT  
RANGER PROJECT  
AGENA B RANGER PROGRAM  
ROVER PROJECT  
SAIL PROJECT  
SATURN PROJECT  
SCANNER PROJECT  
SCOUT PROJECT  
SEAFARER PROJECT  
SQUID PROJECT  
SUBMARINE INTEGRATED CONTROL  
PROJECT  
SUCCESS PROJECT  
SURVEYOR PROJECT  
SYNCHRONOUS COMMUNICATIONS  
SATELLITE PROJ  
TELSTAR PROJECT  
THEMIS PROJECT  
TIROS PROJECT  
TITAN PROJECT  
VANGUARD PROJECT  
VOYAGER PROJECT  
WEST FORD PROJECT  
RT BUREAUS (ORGANIZATIONS)  
CONTRACTS  
ESTIMATING  
∞ MISSIONS  
∞ OPERATIONS  
PROJECT MANAGEMENT  
PROJECT PLANNING  
∞ RESEARCH PROJECTS  
TASKS  
TEAMS

**PROKARYOTES**

GS CELLS (BIOLOGY)  
PROKARYOTES  
RT BACTERIA  
BIOLOGICAL EVOLUTION  
CYTOLOGY  
EUKARYOTES  
MOLECULAR BIOLOGY

**PROLATE SPHEROIDS**

GS GEOMETRY  
EUCLIDEAN GEOMETRY  
ANALYTIC GEOMETRY  
SPHEROIDS  
PROLATE SPHEROIDS  
RT OBLATE SPHEROIDS

**PROLATENESS**

RT SHAPES

**PROLOG (PROGRAMMING LANGUAGE)**

GS LANGUAGES  
PROGRAMMING LANGUAGES  
PROLOG (PROGRAMMING  
LANGUAGE)  
RT ARTIFICIAL INTELLIGENCE  
COMPUTER PROGRAMMING  
EXPERT SYSTEMS

**PROLONGATION**

GS EXTENSIONS  
PROLONGATION  
RT TIME

**PROMETHAZINE**

GS AMINES  
PROMETHAZINE  
DRUGS  
ANTIHIISTAMINICS  
PROMETHAZINE

## PROMETHIUM

### PROMETHAZINE-(CONT.)

- ORGANIC COMPOUNDS
- CYCLIC COMPOUNDS
- ... HETEROCYCLIC COMPOUNDS
- ... **PROMETHAZINE**

### PROMETHIUM

- GS CHEMICAL ELEMENTS
- ... RARE EARTH ELEMENTS
- ... **PROMETHIUM**
- ... PROMETHIUM ISOTOPES
- METALS
- ... RARE EARTH ELEMENTS
- ... **PROMETHIUM**
- ... PROMETHIUM ISOTOPES

### PROMETHIUM ISOTOPES

- UF PROMETHIUM 146
- GS CHEMICAL ELEMENTS
- ... NUCLIDES
- ... ISOTOPES
- ... **PROMETHIUM ISOTOPES**
- ... RARE EARTH ELEMENTS
- ... **PROMETHIUM**
- ... **PROMETHIUM ISOTOPES**
- METALS
- ... RARE EARTH ELEMENTS
- ... **PROMETHIUM**
- ... **PROMETHIUM ISOTOPES**

### PROMETHIUM 146

- USE PROMETHIUM ISOTOPES

### PROMINENCES

- GS **PROMINENCES**
- ... SOLAR PROMINENCES
- RT SOLAR ACTIVITY

### PROMOTION

- RT DISPLAY DEVICES
- INCREASING
- PUBLIC RELATIONS
- UPGRADING

### PRONE POSITION

- RT REST
- SITTING POSITION
- SUPINE POSITION

### PRONY SERIES

- GS ANALYSIS (MATHEMATICS)
- ... CALCULUS
- ... SERIES (MATHEMATICS)
- ... **PRONY SERIES**
- ... REAL VARIABLES
- ... SERIES (MATHEMATICS)
- ... **PRONY SERIES**

### PROOFS

- USE PROVING

### PROP-FAN TECHNOLOGY

- RT PROPELLER BLADES
- PROPELLER EFFICIENCY
- PROPELLER FANS
- TURBOPROP ENGINES

### ∞ PROPAGATION

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- UF PROPAGATORS
- RT ACOUSTIC PROPAGATION
- ATTENUATION
- CRACK PROPAGATION
- DIFFRACTION PROPAGATION
- DIFFUSION
- ELECTROMAGNETIC RADIATION
- FLAME PROPAGATION
- PROPAGATION (EXTENSION)
- SELF PROPAGATION
- STRESS PROPAGATION
- TRANSEQUATORIAL PROPAGATION
- TRANSMISSION
- WAVE PROPAGATION

### PROPAGATION (EXTENSION)

- GS **PROPAGATION (EXTENSION)**
- ... CRACK PROPAGATION
- ... FLAME PROPAGATION
- RT ∞ PROPAGATION

### PROPAGATION MODES

- GS MODES

### PROPAGATION MODES-(CONT.)

- ... **PROPAGATION MODES**
- RT ANTIPODES
- CIRCULAR WAVEGUIDES
- ELECTROMAGNETIC SURFACE WAVES
- FIELD MODE THEORY
- MODE TRANSFORMERS
- MULTIMODE RESONATORS
- PROPAGATION VELOCITY
- SHOCK WAVE INTERACTION
- WAVE INTERACTION
- WAVE PROPAGATION
- WAVEGUIDES

### PROPAGATION VELOCITY

- GS RATES (PER TIME)
- ... **PROPAGATION VELOCITY**
- VELOCITY
- RT **PROPAGATION VELOCITY**
- ELECTROMAGNETIC RADIATION
- GROUP VELOCITY
- PHASE VELOCITY
- PROPAGATION MODES
- WAVE PROPAGATION

### PROPAGATORS

- USE PROPAGATION

### PROPANE

- GS ORGANIC COMPOUNDS
- ... HYDROCARBONS
- ... ALIPHATIC HYDROCARBONS
- ... ALKANES
- ... **PROPANE**
- RT CYCLOPROPANE
- HYDROCARBON FUELS
- NITROPROPANE

### PROPARGYL GROUPS

- GS ORGANIC COMPOUNDS
- ... **PROPARGYL GROUPS**
- RT ETHERS
- GETTERS
- PHENYLS

### ∞ PROPELLANT ACTUATED DEVICES

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT EJECTION SEATS
- EXPLOSIVE DEVICES
- PROPELLANT ACTUATED INSTRUMENTS
- ROCKET ENGINES

### PROPELLANT ACTUATED INSTRUMENTS

- RT ACTUATORS
- CONTROLLERS
- ∞ INSTRUMENTS
- MEASURING INSTRUMENTS
- ∞ PROPELLANT ACTUATED DEVICES

### PROPELLANT ADDITIVES

- GS ADDITIVES
- ... **PROPELLANT ADDITIVES**
- ... PROPELLANT BINDERS
- ... SOLID ROCKET BINDERS
- RT ANTICORROSIVE ADDITIVES
- ANTIOXIDANTS
- CATALYSTS
- COMPOSITE PROPELLANTS
- CORROSION PREVENTION
- GELLED PROPELLANTS
- INHIBITORS
- PLASTICIZERS
- STORABLE PROPELLANTS

### PROPELLANT BINDERS

- GS ADDITIVES
- ... **PROPELLANT ADDITIVES**
- ... **PROPELLANT BINDERS**
- ... SOLID ROCKET BINDERS
- ... BINDERS (MATERIALS)
- ... **PROPELLANT BINDERS**
- ... SOLID ROCKET BINDERS
- RT COMPOSITE PROPELLANTS
- ROCKET PROPELLANTS
- SOLID PROPELLANTS

### PROPELLANT CASTING

- GS CASTINGS
- ... **PROPELLANT CASTING**
- FORMING TECHNIQUES
- ... CASTING
- ... **PROPELLANT CASTING**

### PROPELLANT CHEMISTRY

- RT ∞ CHEMISTRY
- SOLID PROPELLANT COMBUSTION
- THERMOCHEMISTRY

### PROPELLANT COMBUSTION

- GS COMBUSTION
- ... **PROPELLANT COMBUSTION**
- ... SOLID PROPELLANT COMBUSTION
- ... SOLID PROPELLANT IGNITION
- RT AXIAL MODES
- COMBUSTION EFFICIENCY
- COMBUSTION STABILITY
- EROSIVE BURNING
- FUEL COMBUSTION
- HYDROCARBON COMBUSTION
- IGNITION
- METAL COMBUSTION
- VELOCITY COUPLING

### PROPELLANT DECOMPOSITION

- GS DECOMPOSITION
- ... **PROPELLANT DECOMPOSITION**
- RT ENDOTHERMIC FUELS
- FUEL CORROSION
- INHIBITORS
- MONOPROPELLANTS
- STORABLE PROPELLANTS

### PROPELLANT EVAPORATION

- GS PHASE TRANSFORMATIONS
- ... VAPORIZING
- ... EVAPORATION
- ... **PROPELLANT EVAPORATION**
- RT EVAPORATIVE COOLING
- STORABLE PROPELLANTS

### PROPELLANT EXPLOSIONS

- RT DETONATION
- IMPLOSIONS
- ROCKET ENGINES

### PROPELLANT GRAINS

- RT BURNING RATE
- ∞ GRAINS
- SOLID PROPELLANTS
- SOLID ROCKET PROPELLANTS

### PROPELLANT MASS RATIO

- GS RATIOS
- ... MASS RATIOS
- ... **PROPELLANT MASS RATIO**
- RT PAYLOAD MASS RATIO
- PRESSURE RATIO
- PROPULSION SYSTEM PERFORMANCE
- PROPULSIVE EFFICIENCY
- SPECIFIC IMPULSE
- STAGE SEPARATION

### PROPELLANT OXIDIZERS

- USE ROCKET OXIDIZERS

### PROPELLANT PROPERTIES

- GS **PROPELLANT PROPERTIES**
- ... PROPELLANT SENSITIVITY
- ... PROPELLANT STORABILITY
- RT CHEMICAL PROPERTIES
- ELASTIC PROPERTIES
- MECHANICAL PROPERTIES
- ∞ PHYSICAL PROPERTIES
- ∞ PROPERTIES
- ∞ THERMODYNAMIC PROPERTIES

### PROPELLANT SENSITIVITY

- GS PROPELLANT PROPERTIES
- ... **PROPELLANT SENSITIVITY**
- SENSITIVITY
- ... **PROPELLANT SENSITIVITY**
- RT IGNITION TEMPERATURE
- IMPACT RESISTANCE
- SHOCK RESISTANCE
- SPONTANEOUS COMBUSTION
- STORABLE PROPELLANTS

### PROPELLANT SPRAYS

- RT FUEL INJECTION
- FUEL SPRAYS
- LIQUID INJECTION
- LIQUID ROCKET PROPELLANTS
- SPRAYERS

### PROPELLANT STORABILITY

- GS PROPELLANT PROPERTIES
- ... **PROPELLANT STORABILITY**

# PROPORTIONAL LIMIT

## PROPELLANT STORABILITY-(CONT.)

RT FUEL CORROSION  
INHIBITORS  
STORABLE PROPELLANTS

## PROPELLANT STORAGE

RT CONSUMABLES (SPACECRAFT)  
EXPULSION BLADDERS  
FUEL TANK PRESSURIZATION  
FUEL TANKS  
GROUND SUPPORT EQUIPMENT  
HANDLING EQUIPMENT  
MISSILE STORAGE  
ROCKET PROPELLANTS  
SPACE STORAGE  
STORABLE PROPELLANTS  
∞ STORAGE  
UNDERGROUND STORAGE

## PROPELLANT TANKS

UF ROCKET PROPELLANT TANKS  
GS TANKS (CONTAINERS)  
PROPELLANT TANKS  
RT CYLINDRICAL TANKS  
EXPULSION BLADDERS  
EXTERNAL TANKS  
FLUID FILLED SHELLS  
FUEL TANK PRESSURIZATION  
FUEL TANKS  
LIQUID FILLED SHELLS  
LIQUID PROPELLANT ROCKET ENGINES  
LIQUID SLOSHING  
PRESSURE VESSELS  
SPHERICAL TANKS  
STORAGE TANKS  
TANK GEOMETRY  
ULLAGE

## PROPELLANT TESTS

RT COLD FLOW TESTS  
CORROSION TESTS  
ENGINE TESTS  
FUEL TESTS  
INTERIOR BALLISTICS  
∞ MATERIALS TESTS  
MISSILE TESTS  
PROPULSIVE EFFICIENCY  
STABILITY TESTS  
∞ TESTS

## PROPELLANT TRANSFER

GS FLUID FLOW  
FUEL FLOW  
PROPELLANT TRANSFER  
MATERIALS HANDLING  
PROPELLANT TRANSFER  
RT FUEL CONTROL  
FUEL SYSTEMS  
LIQUID SLOSHING  
REFUELING

## PROPELLANTS

GS PROPELLANTS  
COLLOIDAL PROPELLANTS  
DOUBLE BASE PROPELLANTS  
DOUBLE BASE ROCKET  
PROPELLANTS  
GELLED PROPELLANTS  
GELLED ROCKET PROPELLANTS  
GUN PROPELLANTS  
HIGH ENERGY PROPELLANTS  
DOMINO PROPELLANTS  
HIGH TEMPERATURE PROPELLANTS  
HYBRID PROPELLANTS  
HYDRAZINE NITROFORM  
HYDROGEN AZIDES  
NITRASOL EXPLOSIVES  
PENTOLITE  
RDX  
ROCKET PROPELLANTS  
GASEOUS ROCKET PROPELLANTS  
LIQUID ROCKET PROPELLANTS  
CRYOGENIC ROCKET PROPELLANTS  
GELLED ROCKET PROPELLANTS  
HYPERGOLIC ROCKET  
PROPELLANTS  
MONOPROPELLANTS  
AEROZINE  
RP-1 ROCKET PROPELLANTS  
SLURRY PROPELLANTS  
NITRAMINE PROPELLANTS  
SOLID ROCKET PROPELLANTS  
DOUBLE BASE ROCKET  
PROPELLANTS  
METAL PROPELLANTS

## PROPELLANTS-(CONT.)

TAGN  
TATB  
SOLID PROPELLANTS  
CASE BONDED PROPELLANTS  
COMPOSITE PROPELLANTS  
NITRAMINE PROPELLANTS  
PLASTIC PROPELLANTS  
SOLID ROCKET PROPELLANTS  
DOUBLE BASE ROCKET  
PROPELLANTS  
HMX  
HTPB PROPELLANTS  
METAL PROPELLANTS  
STORABLE PROPELLANTS  
TETRYL  
RT AMMUNITION  
ASCENT PROPULSION SYSTEMS  
AUXILIARY PROPULSION  
BALLISTICS  
BURNING RATE  
CARTRIDGES  
CHEMICAL FUELS  
∞ ENERGY SOURCES  
EXPLOSIVES  
FUEL TANKS  
FUELS  
FULMINATES  
GUNS (ORDNANCE)  
INCENDIARY AMMUNITION  
∞ POWER SUPPLIES  
PROPULSION  
SPACECRAFT POWER SUPPLIES  
SPACECRAFT PROPULSION  
SPECIFIC IMPULSE  
TORPEDOES

## PROPELLER BLADES

GS AIRFOILS  
PROPELLER BLADES  
RT BLADE TIPS  
∞ BLADES  
FAN BLADES  
FEATHERING  
PROP-FAN TECHNOLOGY  
PROPELLERS  
ROTARY WINGS  
SYNCHROPHASING

## PROPELLER DRIVE

GS MECHANICAL DRIVES  
PROPELLER DRIVE  
RT HELICOPTER PROPELLER DRIVE  
CONTRAROTATING PROPELLERS  
MARINE PROPULSION  
PROPELLERS  
UNDERWATER PROPULSION

## PROPELLER EFFICIENCY

GS EFFICIENCY  
PROPULSIVE EFFICIENCY  
PROPELLER EFFICIENCY  
RT CONTRAROTATING PROPELLERS  
POWER EFFICIENCY  
PROP-FAN TECHNOLOGY  
PROPELLERS

## PROPELLER FANS

GS PROPELLERS  
PROPELLER FANS  
RT DUCTED FANS  
∞ FANS  
LIFT FANS  
PROP-FAN TECHNOLOGY

## PROPELLER SLIPSTREAMS

GS WAKES  
AIRCRAFT WAKES  
SLIPSTREAMS  
PROPELLER SLIPSTREAMS  
TURBULENT WAKES  
SLIPSTREAMS  
PROPELLER SLIPSTREAMS  
RT INTERFERENCE DRAG

## PROPELLERS

GS PROPELLERS  
CONTRAROTATING PROPELLERS  
PROPELLER FANS  
SHROUDED PROPELLERS  
TILTED PROPELLERS  
VARIABLE PITCH PROPELLERS  
RT ACTUATOR DISKS  
FEATHERING  
PROPELLER BLADES

## PROPELLERS-(CONT.)

PROPELLER DRIVE  
PROPELLER EFFICIENCY  
SHIPS

## PROPERTIES

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
UF ATTRIBUTES  
RT ACOUSTIC PROPERTIES  
BIODEGRADABILITY  
CHEMICAL PROPERTIES  
CREEP PROPERTIES  
DIELECTRIC PROPERTIES  
DYNAMIC CHARACTERISTICS  
ELECTRICAL PROPERTIES  
ELECTROMAGNETIC PROPERTIES  
HYGRAL PROPERTIES  
MACROSCOPIC EQUATIONS  
MAGNETIC PROPERTIES  
∞ MATERIALS SCIENCE  
MECHANICAL PROPERTIES  
OPTICAL PROPERTIES  
∞ PHYSICAL PROPERTIES  
PLASTIC PROPERTIES  
POROSITY  
PREJUDICES  
PROGRESS  
PROPELLANT PROPERTIES  
PROXIMITY  
RECOVERABILITY  
REGULARITY  
SHEAR PROPERTIES  
STRUCTURAL PROPERTIES (GEOLOGY)  
SURFACE PROPERTIES  
TENSILE PROPERTIES  
THERMOCHEMICAL PROPERTIES  
THERMODYNAMIC PROPERTIES  
THERMOPHYSICAL PROPERTIES  
TRANSPORT PROPERTIES  
TURBIDITY  
VIRTUAL PROPERTIES

## PROPHYLAXIS

RT DISEASES  
IMMUNOLOGY

## PROPIONIC ACID

GS ACIDS  
CARBOXYLIC ACIDS  
FATTY ACIDS  
PROPRIONIC ACID  
ORGANIC COMPOUNDS  
CARBOXYLIC ACIDS  
FATTY ACIDS  
PROPRIONIC ACID

## PROPORTION

RT DISTRIBUTING  
RATIOS

## PROPORTIONAL CONTROL

GS AUTOMATIC CONTROL  
PROPORTIONAL CONTROL  
RT ∞ CONTROL  
CONTROL EQUIPMENT  
FEEDBACK CONTROL  
OFF-ON CONTROL  
SERVOCONTROL

## PROPORTIONAL COUNTERS

GS IONIZATION CHAMBERS  
PROPORTIONAL COUNTERS  
MEASURING INSTRUMENTS  
COUNTERS  
RADIATION COUNTERS  
PROPORTIONAL COUNTERS  
RADIATION MEASURING INSTRUMENTS  
RADIATION COUNTERS  
PROPORTIONAL COUNTERS  
RT DOSIMETERS  
GEIGER COUNTERS  
NEUTRON COUNTERS

## PROPORTIONAL LIMIT

UF ELASTIC STRENGTH  
GS MECHANICAL PROPERTIES  
ELASTIC PROPERTIES  
PROPORTIONAL LIMIT  
RANGE (EXTREMES)  
PROPORTIONAL LIMIT  
RT CRITICAL LOADING  
MODULUS OF ELASTICITY  
STRESS-STRAIN DIAGRAMS



## PROPRIOCEPTION

### PROPRIOCEPTION

UF KINESTHESIS  
GS PERCEPTION  
... SENSORY PERCEPTION  
... **PROPRIOCEPTION**  
... AUTOKINESIS  
RT KINESTHESIA

### PROPRIOCEPTORS

GS ANATOMY  
... SENSE ORGANS  
... **PROPRIOCEPTORS**  
... RECEPTORS (PHYSIOLOGY)  
RT **PROPRIOCEPTORS**  
BARORECEPTORS  
NERVOUS SYSTEM  
SENSITOMETRY

### PROPULSION

GS **PROPULSION**  
... ASCENT PROPULSION SYSTEMS  
... AUXILIARY PROPULSION  
... CHEMICAL PROPULSION  
... HYBRID PROPULSION  
... DESCENT PROPULSION SYSTEMS  
... ELECTRIC PROPULSION  
... ELECTROMAGNETIC PROPULSION  
... ELECTROSTATIC PROPULSION  
... ION PROPULSION  
... LASER PROPULSION  
... PLASMA PROPULSION  
... SOLAR ELECTRIC PROPULSION  
... JET PROPULSION  
... LOW THRUST PROPULSION  
... ELECTROMAGNETIC PROPULSION  
... ELECTROSTATIC PROPULSION  
... ION PROPULSION  
... MAN OPERATED PROPULSION SYSTEMS  
... PHOTONIC PROPULSION  
... PLASMA PROPULSION  
... SOLAR PROPULSION  
... SOLAR ELECTRIC PROPULSION  
... SOLAR THERMAL PROPULSION  
... MARINE PROPULSION  
... UNDERWATER PROPULSION  
... SUBMARINE PROPULSION  
... NUCLEAR PROPULSION  
... NUCLEAR ELECTRIC PROPULSION  
... SPACE STATION PROPULSION  
... SPACECRAFT PROPULSION  
... ELECTROMAGNETIC PROPULSION  
... MASS DRIVERS (PAYLOAD DELIVERY)  
... ELECTROSTATIC PROPULSION  
... ION PROPULSION  
... PHOTONIC PROPULSION  
... PLASMA PROPULSION  
... SOLAR PROPULSION  
... SOLAR ELECTRIC PROPULSION  
... SOLAR THERMAL PROPULSION  
RT AERONAUTICAL ENGINEERING  
... AIRCRAFT  
... ASTRONAUTICS  
... DRIVES  
... ENGINES  
... EXHAUST GASES  
... FUEL TANK PRESSURIZATION  
... FUEL TANKS  
... HIGH IMPULSE  
... LOCOMOTION  
... MISSILES  
... POST BOOST PROPULSION SYSTEM  
... PROPELLANTS  
... PROPULSIVE EFFICIENCY  
... PULLING  
... PUSHING  
... ROCKET PROPELLANTS  
... SOLAR SAILS  
... SPACE FLIGHT  
... SPACE SHUTTLE MAIN ENGINE  
... SPACE TUGS  
... THRUST

### PROPULSION SYSTEM CONFIGURATIONS

GS **PROPULSION SYSTEM CONFIGURATIONS**  
... ASCENT PROPULSION SYSTEMS  
... DESCENT PROPULSION SYSTEMS  
RT AERODYNAMIC CONFIGURATIONS  
AIRCRAFT CONFIGURATIONS  
AUXILIARY PROPULSION  
... CONFIGURATIONS  
... CONVERTIBLE FAN-SHAFT ENGINES  
... LASER PROPULSION

### PROPULSION SYSTEM-(CONT.)

LAUNCH VEHICLE CONFIGURATIONS  
MISSILE CONFIGURATIONS  
POST BOOST PROPULSION SYSTEM  
SPACE STATION PROPULSION  
SPACECRAFT CONFIGURATIONS  
... SYSTEMS  
... TOPPING CYCLE ENGINES

### PROPULSION SYSTEM PERFORMANCE

RT COLD FLOW TESTS  
COMBUSTION EFFICIENCY  
... PERFORMANCE  
... POWER EFFICIENCY  
... PROPELLANT MASS RATIO  
... PROPULSIVE EFFICIENCY  
... ROCKET THRUST  
... SOLAR THERMAL PROPULSION  
... SPECIFIC IMPULSE  
... SYSTEMS  
... THERMODYNAMIC EFFICIENCY

### PROPULSIVE EFFICIENCY

GS EFFICIENCY  
... **PROPULSIVE EFFICIENCY**  
... PROPELLER EFFICIENCY  
RT COMBUSTION EFFICIENCY  
ENGINE TESTS  
LASER PROPULSION  
MULTISTAGE ROCKET VEHICLES  
NOZZLE EFFICIENCY  
POWER EFFICIENCY  
PROPELLANT MASS RATIO  
PROPELLANT TESTS  
PROPULSION  
PROPULSION SYSTEM PERFORMANCE  
SPECIFIC IMPULSE  
THERMODYNAMIC EFFICIENCY  
THRUST PROGRAMMING

### PROPYL COMPOUNDS

RT ... CHEMICAL COMPOUNDS

### PROPYL NITRATE

GS ALKYL COMPOUNDS  
... **PROPYL NITRATE**  
... ESTERS  
... NITRATE ESTERS  
... **PROPYL NITRATE**  
... NITROGEN COMPOUNDS  
... NITRATE ESTERS  
... **PROPYL NITRATE**

### PROPYLENE

GS ORGANIC COMPOUNDS  
... HYDROCARBONS  
... ALIPHATIC HYDROCARBONS  
... ALKENES  
... **PROPYLENE**

### PROPYLENE OXIDE

GS EPOXY COMPOUNDS  
... **PROPYLENE OXIDE**

### PROSPECTING

USE EXPLORATION

### PROSTAGLANDINS

GS ORGANIC COMPOUNDS  
... LIPIDS  
... STEROIDS  
... **PROSTAGLANDINS**  
... SECRETIONS  
... ENDOCRINE SECRETIONS  
... HORMONES  
... **PROSTAGLANDINS**  
RT BIOSYNTHESIS  
PROSTATE GLAND

### PROSTATE GLAND

GS ANATOMY  
... GENITOURINARY SYSTEM  
... REPRODUCTIVE SYSTEMS  
... SEX GLANDS  
... **PROSTATE GLAND**  
... GLANDS (ANATOMY)  
... SEX GLANDS  
... **PROSTATE GLAND**  
RT BLADDER  
PROSTAGLANDINS

### PROSTHETIC DEVICES

GS MEDICAL EQUIPMENT  
... **PROSTHETIC DEVICES**

### PROSTHETIC DEVICES-(CONT.)

... ARTIFICIAL EARS  
RT WALKING MACHINES

### PROTACTINIUM

GS CHEMICAL ELEMENTS  
... **PROTACTINIUM**  
... PROTACTINIUM ISOTOPES  
METALS  
... **PROTACTINIUM**  
... PROTACTINIUM ISOTOPES

### PROTACTINIUM COMPOUNDS

GS **PROTACTINIUM COMPOUNDS**  
... PROTACTINIUM FLUORIDES  
RT ... CHEMICAL COMPOUNDS  
... METAL COMPOUNDS

### PROTACTINIUM FLUORIDES

GS HALOGEN COMPOUNDS  
... FLUORINE COMPOUNDS  
... FLUORIDES  
... METAL FLUORIDES  
... **PROTACTINIUM FLUORIDES**  
... PROTACTINIUM COMPOUNDS  
... **PROTACTINIUM FLUORIDES**

### PROTACTINIUM ISOTOPES

UF PROTACTINIUM 234  
GS CHEMICAL ELEMENTS  
... NUCLIDES  
... ISOTOPES  
... **PROTACTINIUM ISOTOPES**  
... PROTACTINIUM  
... **PROTACTINIUM ISOTOPES**  
METALS  
... PROTACTINIUM  
... **PROTACTINIUM ISOTOPES**

### PROTACTINIUM 234

USE PROTACTINIUM ISOTOPES

### PROTEASE

GS BIOPOLYMERS  
... PROTEINS  
... ENZYMES  
... **PROTEASE**  
... ORGANIC COMPOUNDS  
... PROTEINS  
... ENZYMES  
... **PROTEASE**

### PROTECTION

GS **PROTECTION**  
... ACCELERATION PROTECTION  
... CIRCUIT PROTECTION  
... CORROSION PREVENTION  
... ENVIRONMENT PROTECTION  
... EYE PROTECTION  
... METEOROID PROTECTION  
... RADIATION PROTECTION  
... RADIATION SHIELDING  
... SOLAR RADIATION SHIELDING  
... THERMAL PROTECTION  
RT ACCIDENT PREVENTION  
AIRPORT SECURITY  
CIVIL DEFENSE  
COATINGS  
COUNTERMEASURES  
FLYING EJECTION SEATS  
HAZARDS  
HOUSINGS  
INSULATION  
PREVENTION  
PROTECTORS  
... RESISTANCE  
SAFETY  
SAFETY DEVICES  
SHIELDING  
WARNING  
WARNING SYSTEMS

### PROTECTIVE CLOTHING

GS CLOTHING  
... **PROTECTIVE CLOTHING**  
... HELMETS  
... PRESSURE SUITS  
... SPACE SUITS  
... VAPOR BARRIER CLOTHING  
RT ARMOR  
CHEMICAL DEFENSE  
COVERALLS  
EMERGENCY LIFE SUSTAINING SYSTEMS  
FLIGHT CLOTHING

## PROTON MASERS

### PROTECTIVE CLOTHING-(CONT.)

GLOVES  
GOGGLES  
MASKS  
SAFETY DEVICES  
SHOES

### PROTECTIVE COATINGS

UF CERAMAL PROTECTIVE COATINGS  
SPRAYED PROTECTIVE COATINGS  
GS COATINGS  
.. PROTECTIVE COATINGS  
.. ANODIC COATINGS  
.. CERAMIC COATINGS  
.. PRIMERS (COATINGS)  
.. REFRACTORY COATINGS  
RT ALKYD RESINS  
ALUMINIDES  
ANODIZING  
CLADDING  
∞ CONSTRUCTION MATERIALS  
CORROSION  
DESENSITIZING  
ELECTROPLATING  
ENCAPSULATING  
FINISHES  
GLASS COATINGS  
GLAZES  
GOLD COATINGS  
INORGANIC COATINGS  
LACQUERS  
METAL COATINGS  
NICKEL COATINGS  
PAINTS  
PLASTIC COATINGS  
PLATING  
RUBBER COATINGS  
SPRAYED COATINGS  
SURFACE FINISHING  
TRANSGRANULAR CORROSION  
VARNISHES  
WATERPROOFING  
ZINC COATINGS

### PROTECTORS

GS PROTECTORS  
.. EAR PROTECTORS  
RT BUMPERS  
∞ CONTAINERS  
ENCLOSURES  
FAIRINGS  
HOUSINGS  
PROTECTION  
SAFETY DEVICES  
∞ SCREENS  
SHEATHS  
SHIELDING

### PROTEIN DENATURATION

USE BIOPOLYMER DENATURATION

### PROTEIN METABOLISM

GS METABOLISM  
.. PROTEIN METABOLISM  
.. LIPID METABOLISM  
RT PROTEIN SYNTHESIS  
SYNTHETIC FOOD

### PROTEIN SYNTHESIS

RT BIOLOGICAL EVOLUTION  
CHEMICAL EVOLUTION  
PROTEIN METABOLISM

### PROTEINOIDS

GS BIOPOLYMERS  
.. PROTEINS  
.. PROTEINOIDS  
ORGANIC COMPOUNDS  
.. PROTEINS  
.. PROTEINOIDS

### PROTEINS

GS BIOPOLYMERS  
.. PROTEINS  
.. ALBUMINS  
.. ASPARTATES  
.. CALMODULIN  
.. ELASTIN  
.. ENZYMES  
.. ALDOLASE  
.. AMIDASE  
.. CARBONIC ANHYDRASE  
.. CATALASE  
.. CHOLINESTERASE  
.. CYTOCHROMES

### PROTEINS-(CONT.)

.. HEXOKINASE  
.. LYSOZYME  
.. NUCLEASE  
.. OXIDASE  
.. PAPAIN  
.. PEPSIN  
.. PROTEASE  
.. THROMBIN  
.. TRYPSIN  
.. FIBRIN  
.. GLOBULINS  
.. FIBRINOGEN  
.. GAMMA GLOBULIN  
.. HEMOGLOBIN  
.. CARBOXYHEMOGLOBIN  
.. OXYHEMOGLOBIN  
.. KERATINS  
.. LIPOPROTEINS  
.. MELANIN  
.. MYOGLOBIN  
.. PROTEINOIDS  
.. PROTHROMBIN  
.. PROTOPROTEINS  
ORGANIC COMPOUNDS

.. PROTEINS  
.. ALBUMINS  
.. ASPARTATES  
.. CALMODULIN  
.. ELASTIN  
.. ENZYMES  
.. ALDOLASE  
.. AMIDASE  
.. CARBONIC ANHYDRASE  
.. CATALASE  
.. CHOLINESTERASE  
.. CYTOCHROMES  
.. HEXOKINASE  
.. LYSOZYME  
.. NUCLEASE  
.. OXIDASE  
.. PAPAIN  
.. PEPSIN  
.. PROTEASE  
.. THROMBIN  
.. TRYPSIN  
.. FIBRIN  
.. GLOBULINS  
.. FIBRINOGEN  
.. GAMMA GLOBULIN  
.. HEMOGLOBIN  
.. CARBOXYHEMOGLOBIN  
.. OXYHEMOGLOBIN  
.. KERATINS  
.. LIPOPROTEINS  
.. MELANIN  
.. MYOGLOBIN  
.. PROTEINOIDS  
.. PROTHROMBIN  
.. PROTOPROTEINS  
RT ADRENOCORTICOTROPIN (ACTH)  
ALANINE  
BIOPOLYMER DENATURATION  
COLLAGENS  
CYSTEAMINE  
CYSTEINE  
∞ FOOD  
NUCLEIC ACIDS  
NUCLEOTIDES  
∞ NUTRIENTS  
PEPTIDES  
POLYNUCLEOTIDES  
POLYPEPTIDES  
PROTOPLASM  
SERUMS  
SYNTHETIC FOOD

### PROTHROMBIN

GS BIOPOLYMERS  
.. PROTEINS  
.. PROTHROMBIN  
ORGANIC COMPOUNDS  
.. PROTEINS  
.. PROTHROMBIN  
RT THROMBIN

### PROTIUM

USE LIGHT WATER

### PROTOBIOLOGY

RT ∞ BIOLOGY  
VIRUSES

### PROTOCOL (COMPUTERS)

RT CHANNELS (DATA TRANSMISSION)

### PROTOCOL (COMPUTERS)-(CONT.)

COMMUNICATION NETWORKS  
COMPUTER NETWORKS  
DATA LINKS  
DATA PROCESSING  
DATA TRANSMISSION  
LOCAL AREA NETWORKS  
PACKET SWITCHING

### PROTON BEAMS

GS BEAMS (RADIATION)  
.. PARTICLE BEAMS  
.. PROTON BEAMS  
RT NEUTRON BEAMS

### PROTON BELTS

GS PARTICLES  
.. CHARGED PARTICLES  
.. MAGNETICALLY TRAPPED PARTICLES  
.. RADIATION BELTS  
.. PROTON BELTS  
.. TRAPPED PARTICLES  
.. MAGNETICALLY TRAPPED PARTICLES  
.. RADIATION BELTS  
.. PROTON BELTS  
RT ∞ BELTS  
INNER RADIATION BELT  
OUTER RADIATION BELT

### PROTON DAMAGE

GS DAMAGE  
.. PROTON DAMAGE

### PROTON DENSITY (CONCENTRATION)

GS DENSITY (NUMBER/VOLUME)  
.. PARTICLE DENSITY (CONCENTRATION)  
.. ION DENSITY (CONCENTRATION)  
.. PROTON DENSITY (CONCENTRATION)  
.. MAGNETOSPHERIC PROTON DENSITY  
RT ATMOSPHERIC DENSITY  
ATOM CONCENTRATION  
PLASMA DENSITY  
SPACE DENSITY

### PROTON ENERGY

GS PARTICLE ENERGY  
.. PROTON ENERGY  
RT ACTIVATION ENERGY  
ELECTRON ENERGY  
∞ ENERGY  
KINETIC ENERGY  
SURFACE ENERGY

### PROTON FLUX DENSITY

SN (LIMITED TO PROTON EMISSION OR  
DETECTION RATE PER UNIT AREA)  
GS RATES (PER TIME)  
.. FLUX DENSITY  
.. RADIANT FLUX DENSITY  
.. PARTICLE FLUX DENSITY  
.. PROTON FLUX DENSITY  
RT IRRADIANCE  
RADIANCY  
RADIATION COUNTERS  
SOLAR FLUX DENSITY

### PROTON IMPACT

GS IMPACT  
.. PROTON IMPACT  
RT ELECTRON IMPACT  
POINT IMPACT

### PROTON IRRADIATION

GS IRRADIATION  
.. ION IRRADIATION  
.. PROTON IRRADIATION  
RT DEUTERON IRRADIATION  
ELECTRON RADIATION

### PROTON MAGNETIC RESONANCE

GS RESONANCE  
.. MAGNETIC RESONANCE  
.. NUCLEAR MAGNETIC RESONANCE  
.. PROTON MAGNETIC RESONANCE

### PROTON MASERS

GS STIMULATED EMISSION DEVICES  
.. MASERS  
.. PROTON MASERS  
RT MAGNETOMETERS

## PROTON PRECESSION

### PROTON PRECESSION

GS GYRATION  
 . PRECESSION  
 . . **PROTON PRECESSION**  
 RT FREE VIBRATION

### PROTON PRECIPITATION

GS PARTICLE PRECIPITATION  
 . **PROTON PRECIPITATION**  
 RT AURORAS  
 ELECTRON PRECIPITATION  
 PARTICLES  
 ∞ PRECIPITATION  
 RADIATION BELTS  
 TRAPPED PARTICLES  
 UPPER ATMOSPHERE

### PROTON PROTUBERANCES

GS PROTUBERANCES  
 . **PROTON PROTUBERANCES**

### PROTON RESONANCE

GS RESONANCE  
 . MAGNETIC RESONANCE  
 . . NUCLEAR MAGNETIC RESONANCE  
 . . **PROTON RESONANCE**  
 RT NUCLEAR PARTICLES

### PROTON SATELLITES

GS ARTIFICIAL SATELLITES  
 . SOVIET SATELLITES  
 . . **PROTON SATELLITES**  
 . . . PROTON 1 SATELLITE  
 . . . PROTON 2 SATELLITE  
 . . . PROTON 3 SATELLITE  
 . . . PROTON 4 SATELLITE  
 RT U.S.S.R. SPACE PROGRAM

### PROTON SCATTERING

GS NUCLEAR REACTIONS  
 . **PROTON SCATTERING**  
 SCATTERING  
 . **PROTON SCATTERING**  
 RT ION SCATTERING

### PROTON TELESCOPES

USE PARTICLE TELESCOPES

### PROTON 1 SATELLITE

GS ARTIFICIAL SATELLITES  
 . SOVIET SATELLITES  
 . . PROTON SATELLITES  
 . . . **PROTON 1 SATELLITE**

### PROTON 2 SATELLITE

GS ARTIFICIAL SATELLITES  
 . SOVIET SATELLITES  
 . . PROTON SATELLITES  
 . . . **PROTON 2 SATELLITE**

### PROTON 3 SATELLITE

GS ARTIFICIAL SATELLITES  
 . SOVIET SATELLITES  
 . . PROTON SATELLITES  
 . . . **PROTON 3 SATELLITE**

### PROTON 4 SATELLITE

GS ARTIFICIAL SATELLITES  
 . SOVIET SATELLITES  
 . . PROTON SATELLITES  
 . . . **PROTON 4 SATELLITE**

### PROTON-PROTON REACTIONS

GS NUCLEAR REACTIONS  
 . **PROTON-PROTON REACTIONS**  
 RT ANNIHILATION REACTIONS  
 ∞ INTERACTIONS  
 POMERONS  
 THERMONUCLEAR REACTIONS

### PROTONS

GS PARTICLES  
 . CHARGED PARTICLES  
 . . **PROTONS**  
 . . . RECOIL PROTONS  
 . . . SOLAR PROTONS  
 . . ELEMENTARY PARTICLES  
 . . FERMIONS  
 . . . **PROTONS**  
 . . . . RECOIL PROTONS  
 . . . . SOLAR PROTONS  
 RT ALPHA PARTICLES  
 ANTIPROTONS  
 BARYONS

### PROTONS-(CONT.)

COSMIC RAYS  
 DEUTERONS  
 FLUX DENSITY  
 HYDROGEN IONS  
 IONS  
 NUCLEAR PARTICLES  
 NUCLEI (NUCLEAR PHYSICS)  
 NUCLEON POTENTIAL  
 NUCLEONS  
 POSITIVE IONS  
 RADIATION BELTS  
 RADIATION SHIELDING  
 TRITONS

### PROTOPLANETS

UF PLANETESIMALS  
 PLANETISMALS  
 GS CELESTIAL BODIES  
 . **PROTOPLANETS**  
 RT COSMOLOGY  
 PLANETARY ENVIRONMENTS  
 PLANETARY EVOLUTION  
 PLANETARY MASS  
 PLANETS  
 SOLAR ORBITS  
 SOLAR SYSTEM  
 STELLAR EVOLUTION

### PROTOPLASM

RT PROTEINS

### PROTOPLASTS

GS CELLS (BIOLOGY)  
 . **PROTOPLASTS**

### PROTOPROTEINS

GS BIOPOLYMERS  
 . PROTEINS  
 . . **PROTOPROTEINS**  
 ORGANIC COMPOUNDS  
 . PROTEINS  
 . . **PROTOPROTEINS**  
 RT AMINO ACIDS

### PROTOSTARS

GS CELESTIAL BODIES  
 . STARS  
 . . **PROTOSTARS**  
 . . . PRE-MAIN SEQUENCE STARS  
 . . . T TAURI STARS  
 RT STAR FORMATION  
 STELLAR EVOLUTION  
 STELLAR MASS ACCRETION

### PROTOTYPES

RT BREADBOARD MODELS  
 ∞ PATTERNS  
 PILOT PLANTS

### PROTOZOA

GS ANIMALS  
 . **PROTOZOA**  
 . . AMOEBA  
 . . . PELOMYXA  
 . . . FLAGELLATA  
 . . . EUGLENA  
 . . . TRYPANOSOME  
 . . . PARAMECIA  
 MICROORGANISMS  
 . **PROTOZOA**  
 . . AMOEBA  
 . . . PELOMYXA  
 . . . FLAGELLATA  
 . . . EUGLENA  
 . . . TRYPANOSOME  
 . . . PARAMECIA  
 RT MICROSPORES  
 SPORES

### PROTRACTORS

GS MEASURING INSTRUMENTS  
 . **PROTRACTORS**  
 RT ANGLES (GEOMETRY)

### PROTUBERANCES

SN (COMPONENTS MOUNTED EXTERNAL TO THE STRUCTURE)  
 GS **PROTUBERANCES**  
 . PROTON PROTUBERANCES  
 RT AERODYNAMIC CONFIGURATIONS  
 AERODYNAMIC INTERFERENCE  
 AIRCRAFT ANTENNAS  
 AIRCRAFT PARTS

### PROTUBERANCES-(CONT.)

AIRFRAMES  
 ∞ BLISTERS  
 COWLINGS  
 DOMES (STRUCTURAL FORMS)  
 EXTERNAL STORE SEPARATION  
 EXTERNAL STORES  
 FAIRINGS  
 FUEL TANKS  
 HOUSINGS  
 NACELLES  
 PAPILLAE  
 PITOT TUBES  
 RADOMES  
 ∞ RIDGES  
 SHELLS (STRUCTURAL FORMS)  
 VORTEX ALLEVIATION  
 WING-FUSELAGE STORES  
 WINGLETS

### PROUSTITE

GS ARSENIC COMPOUNDS  
 . ARSENIDES  
 . . **PROUSTITE**  
 MINERALS  
 . **PROUSTITE**

### PROVIDER AIRCRAFT

USE C-123 AIRCRAFT

### PROVING

UF CONFIRMATION  
 DEMONSTRATION  
 PROOFS  
 VALIDATION  
 VERIFICATION (PROVING)  
 GS **PROVING**  
 . THEOREM PROVING  
 RT ACCEPTABILITY  
 APPROACH AND LANDING TESTS (STS)  
 ERROR DETECTION CODES  
 EVALUATION  
 EXAMINATION  
 LUNAR ROVING VEHICLES  
 MATHEMATICAL LOGIC  
 ∞ MEASUREMENT  
 PROGRAM VERIFICATION (COMPUTERS)  
 ∞ ROVINGS  
 ∞ TESTS

### PROVISIONING

RT CONSUMABLES (SPACECREW SUPPLIES)  
 ∞ FOOD  
 LIFE SUPPORT SYSTEMS  
 SPACE RATIONS  
 STOWAGE (ONBOARD EQUIPMENT)

### PROXIMITY

RT DISTANCE  
 ∞ PROPERTIES  
 TIGHTNESS

### PROXIMITY EFFECT (ELECTRICITY)

GS ELECTRICAL PROPERTIES  
 . INDUCTANCE  
 . . **PROXIMITY EFFECT (ELECTRICITY)**  
 ELECTROMAGNETIC PROPERTIES  
 . INDUCTANCE  
 . . **PROXIMITY EFFECT (ELECTRICITY)**  
 RT ∞ EFFECTS  
 ELECTRICITY  
 SUPERCONDUCTORS  
 VOLT-AMPERE CHARACTERISTICS

### PRTR (REACTOR)

USE PLUTONIUM RECYCLE TEST REACTOR

### PRUSSIC ACID

USE HYDROCYANIC ACID

### PSEUDOMONAS

GS MICROORGANISMS  
 . BACTERIA  
 . . **PSEUDOMONAS**

### PSEUDONOISE

RT RANDOM NOISE

### PSEUDOPOTENTIALS

RT IMPURITIES  
 MELTING  
 SEMICONDUCTORS (MATERIALS)

**PSEUDORANDOM SEQUENCES**

RT RANDOM NUMBERS  
∞ SIGNALS

**PSYCHIATRY**

GS MEDICAL SCIENCE  
  . **PSYCHIATRY**  
  . . SOCIAL PSYCHIATRY  
RT BRAIN  
  MILITARY PSYCHOLOGY  
  PSYCHOLOGY  
  PSYCHOTHERAPY

**PSYCHOACOUSTICS**

GS ACOUSTICS  
  . **PSYCHOACOUSTICS**  
  PSYCHOLOGY  
  . PSYCHOPHYSICS  
  . . **PSYCHOACOUSTICS**  
RT AUDITORY PERCEPTION  
  AUDITORY SIGNALS  
  BELLS  
  BIOACOUSTICS  
  NOISE INTENSITY  
  PSYCHOLOGICAL EFFECTS  
  PSYCHOLOGICAL FACTORS

**PSYCHOLINGUISTICS**

GS LINGUISTICS  
  . **PSYCHOLINGUISTICS**  
RT INTELLIGIBILITY  
  PHONEMES  
  PHONEMICS  
  ROBOTS  
  SEMANTICS  
  SYLLABLES  
  SYNTAX

**PSYCHOLOGICAL EFFECTS**

GS **PSYCHOLOGICAL EFFECTS**  
  . DESYNCHRONIZATION (BIOLOGY)  
  . ILLUSIONS  
  . . HALLUCINATIONS  
  . . MOON ILLUSION  
  . . OCULOGRAPHIC ILLUSIONS  
  . . OPTICAL ILLUSION  
  . . . ELEVATOR ILLUSION  
  . JET LAG  
RT AFTERIMAGES  
  AVIATION PSYCHOLOGY  
  BIOLOGICAL EFFECTS  
  BOREDOM  
  COMFORT  
  CONFIDENCE  
  DISORIENTATION  
  ∞ EFFECTS  
  EMOTIONS  
  ENVIRONMENTAL ENGINEERING  
  ENVIRONMENTS  
  FRUSTRATION  
  HUMAN FACTORS ENGINEERING  
  HUMAN REACTIONS  
  HUMIDITY  
  MILITARY PSYCHOLOGY  
  MOODS  
  PSYCHOACOUSTICS  
  REACTION TIME  
  SPACE ADAPTATION SYNDROME  
  SPACE PSYCHOLOGY  
  STRESS (PSYCHOLOGY)  
  TAYLOR MANIFEST ANXIETY SCALE

**PSYCHOLOGICAL FACTORS**

RT ASTRONAUT PERFORMANCE  
  AVIATION PSYCHOLOGY  
  EMOTIONAL FACTORS  
  FLIGHT STRESS (BIOLOGY)  
  HABITS  
  MOODS  
  PERMISSIVITY  
  PSYCHOACOUSTICS  
  PSYCHOSOMATICS  
  REWARD (PSYCHOLOGY)  
  SEX FACTOR  
  SPACE PSYCHOLOGY  
  ∞ STIMULI  
  STRESS (PSYCHOLOGY)

**PSYCHOLOGICAL INDEXES**

USE PSYCHOLOGICAL TESTS

**PSYCHOLOGICAL SETS**

GS PSYCHOLOGY  
  . **PSYCHOLOGICAL SETS**

**PSYCHOLOGICAL TESTS**

UF PSYCHOLOGICAL INDEXES  
GS **PSYCHOLOGICAL TESTS**  
  . RORSCHACH TESTS  
RT CERTIFICATION  
  ENVIRONMENTAL TESTS  
  LIMEN  
  MILITARY PSYCHOLOGY  
  PERSONALITY TESTS  
  PILOT SELECTION  
  PSYCHOMETRICS  
  RATIOS  
  SKINNER BOXES  
  TAYLOR MANIFEST ANXIETY SCALE  
  ∞ TESTS

**PSYCHOLOGY**

GS **PSYCHOLOGY**  
  . AVIATION PSYCHOLOGY  
  . COGNITIVE PSYCHOLOGY  
  . MILITARY PSYCHOLOGY  
  . PSYCHOLOGICAL SETS  
  . PSYCHOPHYSICS  
  . . PSYCHOACOUSTICS  
  . . SPACE PSYCHOLOGY  
RT BIOFEEDBACK  
  BOREDOM  
  BRAIN  
  CYBERNETICS  
  DETACHMENT  
  DIAGNOSIS  
  DISORDERS  
  DISORIENTATION  
  EMOTIONAL FACTORS  
  EMOTIONS  
  EXTROVERSION  
  FRUSTRATION  
  INSPIRATION  
  INTELLECT  
  INTROVERSION  
  MORALE  
  PREJUDICES  
  PSYCHIATRY  
  PSYCHOMETRICS  
  PSYCHOTHERAPY  
  RORSCHACH TESTS  
  STRESS (PSYCHOLOGY)  
  SUBLIMINAL STIMULI

**PSYCHOMETRICS**

RT DIAGNOSIS  
  EDUCATION  
  MILITARY PSYCHOLOGY  
  NORMS  
  PERSONALITY TESTS  
  PSYCHOLOGICAL TESTS  
  PSYCHOLOGY  
  PSYCHOMOTOR PERFORMANCE  
  PSYCHOPHYSICS  
  PSYCHOSOMATICS  
  SKINNER BOXES

**PSYCHOMOTOR PERFORMANCE**

GS SENSORIMOTOR PERFORMANCE  
  . **PSYCHOMOTOR PERFORMANCE**  
  . . PSYCHOSOMATICS  
RT BIOCONTROL SYSTEMS  
  HUMAN PERFORMANCE  
  HUMAN REACTIONS  
  MENTAL PERFORMANCE  
  OPERATOR PERFORMANCE  
  PHYSIOLOGICAL TESTS  
  PILOT PERFORMANCE  
  PSYCHOMETRICS  
  REACTION TIME  
  WORKLOADS (PSYCHOPHYSIOLOGY)

**PSYCHOPHARMACOLOGY**

GS PHARMACOLOGY  
  . **PSYCHOPHARMACOLOGY**  
RT CENTRAL NERVOUS SYSTEM  
  CENTRAL NERVOUS SYSTEM  
  DEPRESSANTS  
  CENTRAL NERVOUS SYSTEM  
  STIMULANTS  
  LIFE SCIENCES  
  MEDICAL SCIENCE  
  ∞ MEDICINE  
  NERVOUS SYSTEM  
  PSYCHOTROPIC DRUGS

**PSYCHOPHYSICS**

GS PSYCHOLOGY  
  . **PSYCHOPHYSICS**  
  . . PSYCHOACOUSTICS

**PSYCHOPHYSICS-(CONT.)**

RT ∞ PHYSICS  
  PSYCHOMETRICS  
  ∞ SCIENCE

**PSYCHOPHYSIOLOGY**

GS PHYSIOLOGY  
  . **PSYCHOPHYSIOLOGY**  
  . . WORKLOADS (PSYCHOPHYSIOLOGY)  
RT EVOKED RESPONSE  
  (PSYCHOPHYSIOLOGY)  
  INFORMATION PROCESSING (BIOLOGY)  
  ∞ SCIENCE

**PSYCHOSSES**

GS **PSYCHOSSES**  
  . PSYCHOTIC DEPRESSION  
  . SCHIZOPHRENIA  
RT DETACHMENT  
  DISORDERS  
  FEAR  
  IRRATIONALITY  
  NEUROSES

**PSYCHOSOMATICS**

GS SENSORIMOTOR PERFORMANCE  
  . PSYCHOMOTOR PERFORMANCE  
  . . **PSYCHOSOMATICS**  
RT PSYCHOLOGICAL FACTORS  
  PSYCHOMETRICS

**PSYCHOTHERAPY**

GS THERAPY  
  . **PSYCHOTHERAPY**  
RT CONVULSIONS  
  GESTALT THEORY  
  HEALTH  
  MENTAL HEALTH  
  NEUROPSYCHIATRY  
  PSYCHIATRY  
  PSYCHOLOGY  
  PSYCHOTROPIC DRUGS

**PSYCHOTIC DEPRESSION**

GS PSYCHOSSES  
  . **PSYCHOTIC DEPRESSION**  
RT ∞ DEPRESSION  
  NEUROTIC DEPRESSION

**PSYCHOTROPIC DRUGS**

GS DRUGS  
  . **PSYCHOTROPIC DRUGS**  
  . . MARIJUANA  
RT CENTRAL NERVOUS SYSTEM  
  NARCOTICS  
  NEUROPHYSIOLOGY  
  PHYSIOCHEMISTRY  
  PSYCHOPHARMACOLOGY  
  PSYCHOTHERAPY  
  SEDATIVES

**PSYCHROMETERS**

GS MEASURING INSTRUMENTS  
  . MOISTURE METERS  
  . . HYGROMETERS  
  . . . **PSYCHROMETERS**  
RT ATMOSPHERIC MOISTURE  
  CHEMICAL ANALYSIS  
  HUMIDITY  
  HUMIDITY MEASUREMENT  
  METEOROLOGICAL INSTRUMENTS

**PSYCHROPHILES**

RT MESOPHILES  
  MICROORGANISMS  
  THERMOPHILES

**PTM (MODULATION)**

USE PULSE TIME MODULATION

**PTOLEMAEUS CRATER**

GS CRATERS  
  . LUNAR CRATERS  
  . . **PTOLEMAEUS CRATER**  
RT METEORITE CRATERS

**PUBLIC ADDRESS SYSTEMS**

RT ∞ SYSTEMS  
  WARNING SYSTEMS

**PUBLIC HEALTH**

GS BIOPHYSICS  
  . HEALTH PHYSICS  
  . . **PUBLIC HEALTH**

## PUBLIC LAW

### PUBLIC HEALTH-(CONT.)

HEALTH  
 . HEALTH PHYSICS  
 . . **PUBLIC HEALTH**  
 RT HAZARDOUS MATERIAL DISPOSAL (IN SPACE)  
 HYGIENE  
 MEDICAL SERVICES  
 NONPOINT SOURCES  
 OCCUPATIONAL DISEASES  
 ORAL HYGIENE  
 POLLUTION  
 SANITATION  
 URBAN PLANNING

### PUBLIC LAW

GS LAW (JURISPRUDENCE)  
 . **PUBLIC LAW**  
 . . LIABILITIES  
 . . . LEGAL LIABILITY  
 . . . PENALTIES  
 RT AIR LAW  
 INSURANCE (CONTRACTS)

### PUBLIC RELATIONS

RT ∞ COOPERATION  
 IMPROVEMENT  
 PROMOTION  
 UPGRADING

### PUBLIC SPEAKING

UF ORATORY  
 RT LECTURES  
 SPEECH

### PUBLICATIONS

USE DOCUMENTS

### PUERTO RICO

GS LANDFORMS  
 . ISLANDS  
 . . WEST INDIES  
 . . . **PUERTO RICO**  
 RT UNITED STATES

### PULLEYS

RT ∞ BELTS  
 BLOCKS  
 IDLERS  
 ROLLERS  
 WHEELS  
 WINCHES

### PULLING

RT ∞ DRAWING  
 ∞ FORCE  
 PROPULSION  
 TRACTION

### PULMONARY CIRCULATION

GS CIRCULATION  
 . BLOOD CIRCULATION  
 . . **PULMONARY CIRCULATION**  
 RT ALVEOLI  
 ARTIFICIAL CARDIAC PACEMAKER  
 BLOOD PUMPS  
 HEART IMPLANTATION  
 LUNGS  
 RESPIRATORY SYSTEM

### PULMONARY FUNCTIONS

RT ALVEOLI  
 ∞ FUNCTIONS  
 LUNGS

### PULMONARY LESIONS

GS DISEASES  
 . **PULMONARY LESIONS**  
 INJURIES  
 . LESIONS  
 . . **PULMONARY LESIONS**  
 RT LUNG MORPHOLOGY  
 LUNGS  
 OCCUPATIONAL DISEASES  
 RESPIRATORY DISEASES

### PULSARS

GS CELESTIAL BODIES  
 . RADIO SOURCES (ASTRONOMY)  
 . . RADIO STARS  
 . . . **PULSARS**  
 . STARS  
 . . NEUTRON STARS  
 . . . **PULSARS**

### PULSARS-(CONT.)

. . RADIO STARS  
 . . . **PULSARS**  
 RT DEGENERATE MATTER  
 QUASARS  
 RADIATION SOURCES  
 RADIO ASTRONOMY  
 RADIO BURSTS  
 SUPERNOVA REMNANTS

### PULSATING FLOW

USE UNSTEADY FLOW

### PULSE (CARDIOVASCULAR)

USE HEART RATE

### PULSE AMPLITUDE

UF PULSE HEIGHT  
 GS AMPLITUDES  
 . **PULSE AMPLITUDE**  
 WAVEFORMS  
 . **PULSE AMPLITUDE**  
 RT AMPLITUDE DISTRIBUTION ANALYSIS  
 ELECTRIC PULSES  
 PHOTOPEAK  
 PULSED RADIATION  
 SAWTOOTH WAVEFORMS  
 SQUARE WAVES

### PULSE AMPLITUDE MODULATION

UF PAM (MODULATION)  
 GS CODING  
 . SIGNAL ENCODING  
 . . PULSE MODULATION  
 . . . **PULSE AMPLITUDE MODULATION**  
 MODULATION  
 . PULSE MODULATION  
 . . **PULSE AMPLITUDE MODULATION**  
 RT MODEMS  
 P.A.C.M. TELEMETRY

### PULSE CHARGING

RT BATTERY CHARGERS  
 ELECTRIC BATTERIES  
 ELECTRIC CHARGE  
 STORAGE BATTERIES

### PULSE CODE MODULATION

UF PCM (MODULATION)  
 GS CODING  
 . SIGNAL ENCODING  
 . . PULSE MODULATION  
 . . . **PULSE CODE MODULATION**  
 . . . . DELTA MODULATION  
 . . . . DIFFERENTIAL PULSE CODE MODULATION  
 MODULATION  
 . PULSE MODULATION  
 . . **PULSE CODE MODULATION**  
 . . . DELTA MODULATION  
 . . . DIFFERENTIAL PULSE CODE MODULATION  
 RT BITERNARY CODE  
 DECOMMUTATORS  
 P.A.C.M. TELEMETRY  
 PCM TELEMETRY  
 UNIFIED S BAND

### PULSE COMMUNICATION

UF DIGITAL COMMUNICATION  
 GS TELECOMMUNICATION  
 . **PULSE COMMUNICATION**  
 . . DIGITAL SPACECRAFT TELEVISION  
 RT BIT ERROR RATE  
 COMMUNICATION NETWORKS  
 DATA TRANSMISSION  
 DELTA MODULATION  
 DIFFERENTIAL PULSE CODE MODULATION  
 DIGITAL TELEVISION  
 ELECTROMAGNETIC PULSES  
 FREQUENCY DIVISION MULTIPLEXING  
 MODEMS  
 MULTIPLE ACCESS  
 MULTIPLEXING  
 ORTHOGONAL MULTIPLEXING THEORY  
 RADIO COMMUNICATION  
 RADIO TRANSMISSION  
 SATELLITE TRANSMISSION  
 SIGNAL TRANSMISSION  
 SPACE COMMUNICATION  
 TELEGRAPH SYSTEMS  
 TELEMETRY  
 TIME DIVISION MULTIPLE ACCESS

### PULSE COMPRESSION

RT CODING  
 COMPRESSING  
 RADAR

### PULSE DIFFRACTION

GS DIFFRACTION  
 . **PULSE DIFFRACTION**  
 RT PLASMA JETS  
 PULSED RADIATION  
 WAVE PROPAGATION

### PULSE DOPPLER RADAR

GS RADAR  
 . PULSE RADAR  
 . . **PULSE DOPPLER RADAR**  
 . . . EARTH RESOURCES SHUTTLE  
 . . . IMAGING RADAR  
 . . . MONOPULSE RADAR  
 RT CANCELLATION CIRCUITS  
 COHERENT RADAR

### PULSE DURATION

UF LIGHT DURATION  
 PULSE WIDTH  
 GS WAVEFORMS  
 . **PULSE DURATION**  
 RT ELECTRIC PULSES  
 LASER OUTPUTS  
 MASER OUTPUTS  
 PULSE REPETITION RATE  
 PULSED RADIATION  
 SAWTOOTH WAVEFORMS  
 SQUARE WAVES  
 TIME SIGNALS  
 ULTRASHORT PULSED LASERS

### PULSE DURATION MODULATION

UF PDM (MODULATION)  
 PULSE WIDTH MODULATION  
 PWM (MODULATION)  
 GS CODING  
 . SIGNAL ENCODING  
 . . PULSE MODULATION  
 . . . PULSE TIME MODULATION  
 . . . . **PULSE DURATION MODULATION**  
 MODULATION  
 . PULSE MODULATION  
 . . PULSE TIME MODULATION  
 . . . **PULSE DURATION MODULATION**  
 RT MODEMS

### PULSE FREQUENCY MODULATION

UF PFM (MODULATION)  
 GS CODING  
 . SIGNAL ENCODING  
 . . FREQUENCY MODULATION  
 . . . **PULSE FREQUENCY MODULATION**  
 . . . PULSE MODULATION  
 . . . . **PULSE FREQUENCY MODULATION**  
 MODULATION  
 . FREQUENCY MODULATION  
 . . **PULSE FREQUENCY MODULATION**  
 . PULSE MODULATION  
 . . **PULSE FREQUENCY MODULATION**  
 RT COMMUNICATION EQUIPMENT  
 DIFFERENTIAL PULSE CODE MODULATION  
 MODEMS

### PULSE FREQUENCY MODULATION TELEMETRY

GS TELECOMMUNICATION  
 . RADIO COMMUNICATION  
 . . RADIO TELEMETRY  
 . . . **PULSE FREQUENCY MODULATION TELEMETRY**  
 . TELEMETRY  
 . . RADIO TELEMETRY  
 . . . **PULSE FREQUENCY MODULATION TELEMETRY**  
 TRANSMISSION  
 . SIGNAL TRANSMISSION  
 . . TELEMETRY  
 . . . RADIO TELEMETRY  
 . . . . **PULSE FREQUENCY MODULATION TELEMETRY**  
 RT COMMUNICATION EQUIPMENT  
 FREQUENCY MODULATION  
 MODULATION  
 PULSE MODULATION  
 RADIO TRANSMISSION  
 SIGNAL ENCODING

### PULSE GENERATORS

RT COMPULSATORS

**PULSE GENERATORS-(CONT.)**

ELECTRIC PULSES  
 FUNCTION GENERATORS  
 ∞ GENERATORS  
 IMPULSE GENERATORS  
 LASER CAVITIES  
 LASERS  
 PLASMA GENERATORS  
 PULSE REPETITION RATE  
 PULSED RADIATION  
 SHOCK WAVE GENERATORS

**PULSE HEATING**

GS HARDENING (MATERIALS)  
 . PULSE HEATING  
 HEAT TREATMENT  
 . ANNEALING  
 . PULSE HEATING  
 HEATING  
 . TRANSIENT HEATING  
 . PULSE HEATING  
 RT LASER HEATING

**PULSE HEIGHT**

USE PULSE AMPLITUDE

**PULSE MODULATION**

GS CODING  
 . SIGNAL ENCODING  
 . PULSE MODULATION  
 . . . PULSE AMPLITUDE MODULATION  
 . . . PULSE CODE MODULATION  
 . . . DELTA MODULATION  
 . . . DIFFERENTIAL PULSE CODE  
 MODULATION  
 . . . PULSE FREQUENCY MODULATION  
 . . . PULSE TIME MODULATION  
 . . . PULSE DURATION MODULATION  
 . . . PULSE POSITION MODULATION  
 MODULATION  
 . PULSE MODULATION  
 . PULSE AMPLITUDE MODULATION  
 . PULSE CODE MODULATION  
 . . . DELTA MODULATION  
 . . . DIFFERENTIAL PULSE CODE  
 MODULATION  
 . . . PULSE FREQUENCY MODULATION  
 . . . PULSE TIME MODULATION  
 . . . PULSE DURATION MODULATION  
 . . . PULSE POSITION MODULATION  
 RT AMPLITUDE MODULATION  
 DEMODULATION  
 DEMODULATORS  
 ELECTRIC PULSES  
 ELECTROMAGNETIC PULSES  
 FREQUENCY MODULATION  
 LIGHT MODULATION  
 MODEMS  
 MODULATORS  
 PHASE MODULATION  
 PULSE FREQUENCY MODULATION  
 TELEMETRY  
 PULSED RADIATION  
 RADIO TELEMETRY  
 TIME DIVISION MULTIPLEXING  
 TRIGATONS

**PULSE POSITION MODULATION**

UF PPM (MODULATION)  
 GS CODING  
 . SIGNAL ENCODING  
 . PULSE MODULATION  
 . . . PULSE TIME MODULATION  
 . . . PULSE POSITION MODULATION  
 MODULATION  
 . PULSE MODULATION  
 . . . PULSE TIME MODULATION  
 . . . PULSE POSITION MODULATION  
 RT MODEMS

**PULSE RADAR**

GS RADAR  
 . PULSE RADAR  
 . . . PULSE DOPPLER RADAR  
 . . . EARTH RESOURCES SHUTTLE  
 IMAGING RADAR  
 . . . MONOPULSE RADAR  
 RT COHERENT RADAR  
 CONTINUOUS WAVE RADAR  
 DOPPLER RADAR  
 ECHO SUPPRESSORS  
 ELECTROMAGNETIC PULSES  
 METEOROLOGICAL RADAR  
 MULTISTATIC RADAR

**PULSE RADAR-(CONT.)**

POLYSTATION DOPPLER TRACKING  
 SYSTEM  
 SEARCH RADAR  
 SURVEILLANCE RADAR  
 SYNCHRONIZERS  
 TRACKING RADAR

**PULSE RATE**

SN (FOR CARDIOVASCULAR PULSE, USE  
 HEART RATE)  
 UF CHRONOTRONS  
 GS RATES (PER TIME)  
 . PULSE RATE  
 . . . PULSE REPETITION RATE  
 RT ELECTRIC PULSES  
 PICOSECOND PULSES  
 PULSED RADIATION

**PULSE RECORDERS**

USE COUNTERS

**PULSE REPETITION RATE**

GS RATES (PER TIME)  
 . PULSE RATE  
 . . . PULSE REPETITION RATE  
 RT ∞ FREQUENCY RESPONSE  
 OPTICAL PUMPING  
 PULSE DURATION  
 PULSE GENERATORS  
 PULSED LASERS

**PULSE TIME MODULATION**

UF PTM (MODULATION)  
 GS CODING  
 . SIGNAL ENCODING  
 . . . PULSE MODULATION  
 . . . PULSE TIME MODULATION  
 . . . . . PULSE DURATION MODULATION  
 . . . . . PULSE POSITION MODULATION  
 MODULATION  
 . PULSE MODULATION  
 . . . PULSE TIME MODULATION  
 . . . . . PULSE DURATION MODULATION  
 . . . . . PULSE POSITION MODULATION

**PULSE WIDTH**

USE PULSE DURATION

**PULSE WIDTH AMPLITUDE CONVERTERS**

RT ∞ CONVERTERS  
 FREQUENCY CONVERTERS

**PULSE WIDTH MODULATION**

USE PULSE DURATION MODULATION

**PULSED JET ENGINES**

GS ENGINES  
 . PULSED JET ENGINES  
 RT ELECTRIC ROCKET ENGINES  
 ELECTROTHERMAL ENGINES  
 PLASMA ENGINES  
 RESISTOJET ENGINES

**PULSED LASERS**

GS STIMULATED EMISSION DEVICES  
 . LASERS  
 . . . PULSED LASERS  
 . . . . . Q SWITCHED LASERS  
 . . . . . ULTRASHORT PULSED LASERS  
 . . . . . ULTRAVIOLET LASERS  
 RT ARGON LASERS  
 CARBON DIOXIDE LASERS  
 GAS LASERS  
 GLASS LASERS  
 INERTIAL FUSION (REACTOR)  
 LASER HEATING  
 LASER TARGET INTERACTIONS  
 LASER WELDING  
 NITROGEN LASERS  
 PULSE REPETITION RATE  
 RUBY LASERS  
 SEMICONDUCTOR LASERS  
 TEA LASERS  
 TUBE LASERS  
 WAVEGUIDE LASERS

**PULSED RADIATION**

GS PULSED RADIATION  
 . ELECTROMAGNETIC PULSES  
 . . . SYSTEM GENERATED  
 . . . . . ELECTROMAGNETIC PULSES  
 RT CONTINUOUS RADIATION  
 CORPUSCULAR RADIATION

**PULSED RADIATION-(CONT.)**

ELASTIC WAVES  
 ELECTROMAGNETIC RADIATION  
 GAMMA RAY LASERS  
 LASER DAMAGE  
 LASERS  
 PICOSECOND PULSES  
 PULSE AMPLITUDE  
 PULSE DIFFRACTION  
 PULSE DURATION  
 PULSE GENERATORS  
 PULSE MODULATION  
 PULSE RATE  
 ∞ RADIATION  
 ∞ RAYS

**PULSEJET ENGINES**

GS ENGINES  
 . AIR BREATHING ENGINES  
 . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . RAMJET ENGINES  
 . . . . . PULSEJET ENGINES  
 . . . . . INTERNAL COMBUSTION ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . RAMJET ENGINES  
 . . . . . PULSEJET ENGINES  
 . . . . . TURBINE ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . RAMJET ENGINES  
 . . . . . PULSEJET ENGINES  
 RT V-1 MISSILE

**PULSES**

GS PULSES  
 . ELECTRIC PULSES  
 . ELECTROMAGNETIC PULSES  
 . . . SYSTEM GENERATED  
 . . . . . ELECTROMAGNETIC PULSES  
 . . . . . GEOMAGNETIC PULSATIONS  
 . . . . . GEOMAGNETIC MICROPULSATIONS  
 . . . . . MICROPULSATIONS  
 . . . . . GEOMAGNETIC MICROPULSATIONS  
 . . . . . PICOSECOND PULSES  
 . . . . . PRESSURE PULSES  
 RT AMPLITUDES  
 INTERMITTENCY  
 SOLITARY WAVES

**PULTRUSION**

GS FORMING TECHNIQUES  
 . EXTRUDING  
 . . . PULTRUSION  
 RT CASTING  
 COMPOSITE STRUCTURES  
 DIES  
 EPOXY MATRIX COMPOSITES  
 FIBER COMPOSITES  
 GLASS FIBER REINFORCED PLASTICS  
 HOT WORKING  
 POLYMER MATRIX COMPOSITES  
 PREIMPREGNATION  
 PRESSING (FORMING)  
 RESIN MATRIX COMPOSITES

**PULVERIZING**

USE GRINDING (COMMINUTION)

**PUMICE**

GS ROCKS  
 . IGNEOUS ROCKS  
 . . . PUMICE  
 RT ABRASIVES  
 OBSIDIAN  
 POWDER (PARTICLES)  
 SOILS

**PUMP IMPELLERS**

GS ROTATING BODIES  
 . ROTORS  
 . . . IMPELLERS  
 . . . . . PUMP IMPELLERS  
 RT CENTRIFUGAL COMPRESSORS  
 CENTRIFUGAL PUMPS

**PUMP SEALS**

GS SEALS (STOPPERS)  
 . PUMP SEALS  
 RT GASKETS  
 ∞ GLANDS  
 GLANDS (SEALS)  
 HERMETIC SEALS  
 LABYRINTH SEALS

## PUMPING

### PUMP SEALS-(CONT.)

MOLECULAR PUMPS

### ∞ PUMPING

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)

RT BLOWING  
COMPRESSED AIR  
COMPRESSING  
CRYOPUMPING  
DRAINAGE  
ELECTRON PUMPING  
JET PUMPS  
LASER PUMPING  
MAGNETIC PUMPING  
MATERIALS HANDLING  
NUCLEAR PUMPING  
OPTICAL PUMPING  
PLASMA PUMPING  
PUMPS  
PURGING  
WINDMILLS (WINDPOWERED MACHINES)  
WINDPOWERED PUMPS

### PUMPS

SN (LIMITED TO PUMPS FOR  
MATERIALS--EXCLUDES HEAT PUMPS)  
UF HYDRAULIC PUMPS

GS **PUMPS**  
. AXIAL FLOW PUMPS  
. . . TURBINE PUMPS  
. BLOOD PUMPS  
. CENTRIFUGAL PUMPS  
. DIFFUSION PUMPS  
. ELECTROMAGNETIC PUMPS  
. FUEL PUMPS  
. JET PUMPS  
. RAMS (PUMPS)  
. VACUUM PUMPS  
. . . CONDENSATION PUMPS  
. . . ION PUMPS  
. . . MOLECULAR PUMPS  
. VISCOPUMPS  
. WINDPOWERED PUMPS  
RT BELLOWS  
CENTRIFUGAL COMPRESSORS  
EJECTORS  
FEED SYSTEMS  
HEAT PUMPS  
HYDRAULIC EQUIPMENT  
IMPELLERS  
INJECTORS  
LUBRICATION SYSTEMS  
MATERIALS HANDLING  
PACKINGS (SEALS)  
PIPELINES  
PREBURNERS  
∞ PUMPING  
SIPHONS  
STATORS  
TURBOMACHINERY  
VANELESS DIFFUSERS

### PUNCHED CARDS

GS CARDS  
. **PUNCHED CARDS**  
RT COMPUTER STORAGE DEVICES  
DATA RECORDERS  
DATA RECORDING  
DATA STORAGE  
READERS

### PUNCHED TAPES

RT AUTOMATIC TYPEWRITERS  
COMPUTER STORAGE DEVICES  
DATA RECORDING  
MAGNETIC TAPES  
READERS  
∞ TAPES

### PUNCHES

RT DIES  
MACHINE TOOLS  
MOLDS  
PLATENS  
PRESSES  
STAMPING

### PUNCTURING

USE PIERCING

### PUPA

RT INSECTS  
LARVAE

### PUPIL SIZE

RT PUPILLOMETRY

### PUPILLOMETRY

RT BIOMETRICS  
DARK ADAPTATION  
LIGHT ADAPTATION  
∞ MEASUREMENT  
PUPIL SIZE

### PUPILS

GS ANATOMY  
. SENSE ORGANS  
. . . EYE (ANATOMY)  
. . . **PUPILS**  
RT VISION

### PURGING

RT CIRCULATION  
CLEARING  
DECONTAMINATION  
DEGASSING  
DISTILLATION  
EVACUATING (VACUUM)  
FLUSHING  
OUTGASSING  
∞ PUMPING  
PURIFICATION  
RELIEVING  
∞ SEPARATION  
VENTING

### PURIFICATION

UF PURIFIERS  
GS **PURIFICATION**  
. AIR PURIFICATION  
RT AERATION  
ANTISEPTICS  
BENEFICIATION  
CHEMICAL STERILIZATION  
CLEANING  
CRYSTALLIZATION  
DECONTAMINATION  
DEMINERALIZING  
DESALINIZATION  
DISSIPATION  
DISTILLATION  
ELIMINATION  
ELUTION  
ENRICHMENT  
FLUSHING  
GETTERS  
PASTEURIZING  
POLYNUCLEAR ORGANIC COMPOUNDS  
POTABLE WATER  
PURGING  
PURITY  
RECTIFICATION  
∞ REDUCTION  
REDUCTION (CHEMISTRY)  
REFINING  
SCAVENGING  
∞ SEPARATION  
SEWAGE TREATMENT  
SOLVENT EXTRACTION  
SPACECRAFT STERILIZATION  
STERILIZATION  
SUBLIMATION  
ULTRAPURE METALS  
UPGRADING  
WASHING  
WATER TREATMENT  
ZONE MELTING

### PURIFIERS

USE PURIFICATION

### PURINES

GS ORGANIC COMPOUNDS  
. CYCLIC COMPOUNDS  
. . . HETEROCYCLIC COMPOUNDS  
. . . **PURINES**  
. . . . . ADENINES  
. . . . . XANTHINES  
. . . . . CAFFEINE  
. . . . . GUANINES  
. . . . . URIC ACID

### PURITY

RT CLARITY  
CONCENTRATION (COMPOSITION)  
CONTAMINANTS  
CONTAMINATION  
DECONTAMINATION  
DILUTION

### PURITY-(CONT.)

FINENESS  
POLLUTION  
POTABLE LIQUIDS  
PURIFICATION  
QUALITY  
TRACE CONTAMINANTS  
ULTRAPURE METALS  
WATER POLLUTION

### PURPOSES

RT GOALS

### PURSUIT TRACKING

GS TRACKING (POSITION)  
. **PURSUIT TRACKING**  
RT INFRARED TRACKING  
RADAR TRACKING  
SATELLITE INTERCEPTORS

### PUSH-PULL AMPLIFIERS

UF BALANCED AMPLIFIERS  
GS AMPLIFIERS  
. **PUSH-PULL AMPLIFIERS**  
RT PHASE MODULATION  
POWER AMPLIFIERS

### PUSHBROOM SENSOR MODES

GS MODES  
. **PUSHBROOM SENSOR MODES**  
RT ARRAYS  
ELECTRO-OPTICS  
IMAGE PROCESSING  
LINEAR ARRAYS  
PHOTODIODES

### PUSHING

RT ∞ FORCE  
PROPULSION

### PWM (MODULATION)

USE PULSE DURATION MODULATION

### PYCNOMETERS

RT DENSITY (MASS/VOLUME)

### PYLON MOUNTING

RT AERODYNAMIC CONFIGURATIONS  
AIRCRAFT STRUCTURES  
COLUMNS (SUPPORTS)  
RIGID MOUNTING  
STRUCTURAL MEMBERS  
SUPPORTS  
WIND TUNNEL MODELS

### PYLONS

GS SUPPORTS  
. **PYLONS**  
RT COLUMNS (SUPPORTS)  
STRUCTURAL MEMBERS  
STRUTS  
TOWERS

### PYRAMID LAKE (NV)

GS LAKES  
. **PYRAMID LAKE (NV)**  
RT NEVADA  
WATER MANAGEMENT  
WATER RESOURCES

### PYRAMIDAL BODIES

RT ∞ BODIES  
PYRAMIDS  
REENTRY VEHICLES

### PYRAMIDS

GS GEOMETRY  
. EUCLIDEAN GEOMETRY  
. . . POLYHEDRONS  
. . . **PYRAMIDS**  
RT FRUSTUMS  
PYRAMIDAL BODIES

### PYRANOMETERS

GS MEASURING INSTRUMENTS  
. RADIATION MEASURING INSTRUMENTS  
. . . ACTINOMETERS  
. . . **PYRANOMETERS**  
RT PHOTOMETERS  
RADIOMETERS  
SKY RADIATION

### PYRAZINES

GS PYRAZINES

# PYRUVATES

## PYRAZINES-(CONT.)

- . AZINES
- . CYANURATES
- . CYANURIC ACID
- . MECLIZINE
- . METHYLENE BLUE
- . PHENOTHAZINES

## PYRENEES MOUNTAINS (EUROPE)

- GS LANDFORMS
- . MOUNTAINS
- . PYRENEES MOUNTAINS (EUROPE)
- RT ANDORRA
- FRANCE
- SPAIN

## PYRENES

- GS ORGANIC COMPOUNDS
- . HYDROCARBONS
- . PYRENES

## PYREX (TRADEMARK)

- USE BOROSILICATE GLASS

## PYRIDINE NUCLEOTIDES

- GS ORGANIC COMPOUNDS
- . NUCLEOTIDES
- . PYRIDINE NUCLEOTIDES
- PHOSPHORUS COMPOUNDS
- . PHOSPHATES
- . PYRIDINE NUCLEOTIDES

## PYRIDINES

- GS BASES (CHEMICAL)
- . PYRIDINES
- ORGANIC COMPOUNDS
- . CYCLIC COMPOUNDS
- . HETEROCYCLIC COMPOUNDS
- . PYRIDINES
- RT KARL FISCHER REAGENT
- PIPERIDINE
- QUINOLINE

## PYRIDOXINE

- UF VITAMIN B 6
- GS ORGANIC COMPOUNDS
- . CYCLIC COMPOUNDS
- . HETEROCYCLIC COMPOUNDS
- . PYRIDOXINE
- VITAMINS
- . PYRIDOXINE

## PYRIMIDINES

- GS ORGANIC COMPOUNDS
- . CYCLIC COMPOUNDS
- . HETEROCYCLIC COMPOUNDS
- . PYRIMIDINES
- . . . . ALLOXAN
- . . . . THYMIDINE
- . . . . THYMINE
- . . . . URACIL

## PYRITES

- GS CHALCOGENIDES
- . SULFIDES
- . PYRITES
- IRON COMPOUNDS
- . PYRITES
- MINERALS
- . PYRITES
- SULFUR COMPOUNDS
- . SULFIDES
- . PYRITES

## PYROCERAM (TRADEMARK)

- GS CERAMICS
- . PYROCERAM (TRADEMARK)
- GLASS
- . PYROCERAM (TRADEMARK)

## PYROELECTRICITY

- GS ELECTRICAL PROPERTIES
- . PYROELECTRICITY
- THERMODYNAMIC PROPERTIES
- . THERMOPHYSICAL PROPERTIES
- . PYROELECTRICITY
- RT PIEZOELECTRICITY
- POLARIZATION (CHARGE SEPARATION)

## PYROGEN

- GS GASES
- . FLAMMABLE GASES
- . PYROGEN
- RT TORCHES

## PYROGRAPHALLOY

- USE COMPOSITE MATERIALS
- PYROLYTIC GRAPHITE
- REFRACTORY MATERIALS

## PYROHELIOMETERS

- UF HELIOMETRY
- GS MEASURING INSTRUMENTS
- . HELIOMETERS
- . PYROHELIOMETERS
- OPTICAL EQUIPMENT
- . HELIOMETERS
- . PYROHELIOMETERS
- TELESCOPES
- . HELIOMETERS
- . PYROHELIOMETERS

## PYROHYDROLYSIS

- GS CHEMICAL REACTIONS
- . PYROHYDROLYSIS
- RT PYROLYSIS

## PYROLYSIS

- GS CHEMICAL REACTIONS
- . CRACKING (CHEMICAL ENGINEERING)
- . PYROLYSIS
- . THERMAL DECOMPOSITION
- . PYROLYSIS
- DECOMPOSITION
- . CRACKING (CHEMICAL ENGINEERING)
- . PYROLYSIS
- . THERMAL DECOMPOSITION
- . PYROLYSIS
- RT ABLATION
- ENDOTHERMIC REACTIONS
- EXOTHERMIC REACTIONS
- PYROHYDROLYSIS
- THERMAL ABSORPTION
- THERMAL DEGRADATION
- THERMAL INSTABILITY
- THERMOGRAVIMETRY

## PYROLYTIC GRAPHITE

- UF PYROGRAPHALLOY
- GS CARBONACEOUS MATERIALS
- . GRAPHITE
- . PYROLYTIC GRAPHITE
- MINERALS
- . GRAPHITE
- . PYROLYTIC GRAPHITE
- PYROLYTIC MATERIALS
- . PYROLYTIC GRAPHITE
- RT HEAT SHIELDING

## PYROLYTIC MATERIALS

- GS PYROLYTIC MATERIALS
- . PYROLYTIC GRAPHITE
- RT ABLATIVE MATERIALS
- CERAMICS
- . MATERIALS
- REFRACTORY COATINGS
- REFRACTORY MATERIALS

## PYROMETALLURGY

- RT AEROTHERMOCHEMISTRY
- ALLOYING
- CHLORINATION
- . CONVERTERS
- HEAT BALANCE
- METAL WORKING
- . METALLURGY
- REFINING
- SINTERING
- SUBLIMATION
- THERMOCHEMISTRY

## PYROMETERS

- GS MEASURING INSTRUMENTS
- . TEMPERATURE MEASURING INSTRUMENTS
- . PYROMETERS
- . . . RADIATION PYROMETERS
- . . . THERMOCOUPLE PYROMETERS
- RT TEMPERATURE MEASUREMENT

## PYROMETRY

- USE TEMPERATURE MEASUREMENT

## PYROPHORIC MATERIALS

- RT EXPLOSIVES
- FLAMMABILITY
- HYPERGOLIC ROCKET PROPELLANTS
- IGNITERS
- IGNITION TEMPERATURE

## PYROPHORIC MATERIALS-(CONT.)

- . MATERIALS
- METAL COMBUSTION
- SOLID PROPELLANT IGNITION
- SPONTANEOUS COMBUSTION

## PYROPHYLLITE

- GS ALUMINUM COMPOUNDS
- . ALUMINUM SILICATES
- . PYROPHYLLITE
- MINERALS
- . PYROPHYLLITE
- SILICON COMPOUNDS
- . SILICATES
- . ALUMINUM SILICATES
- . PYROPHYLLITE
- RT ALUMINUM OXIDES

## PYROTECHNICS

- UF FIREWORKS
- GS PYROTECHNICS
- . HMX
- RT AMMUNITION
- BOMBS (ORDNANCE)
- CHEMICAL FUELS
- DOUBLE BASE PROPELLANTS
- EXPLOSIVES
- . FLARES
- GRENADES
- ILLUMINATING
- INCENDIARY AMMUNITION
- INITIATORS (EXPLOSIVES)
- ORDNANCE
- PLASTIC PROPELLANTS
- PROJECTILES
- RDX
- . ROCKETS
- . SIGNALS
- THERMITES

## PYROXENES

- GS CHALCOGENIDES
- . OXIDES
- . PYROXENES
- . . . ENSTATITE
- MINERALS
- . PYROXENES
- . . . ENSTATITE
- SILICON COMPOUNDS
- . SILICATES
- . PYROXENES
- . . . ENSTATITE
- RT ECLOGITE
- IGNEOUS ROCKS
- REGOLITH
- ROCKS
- SOILS

## PYROXYLIN

- USE CELLULOSE NITRATE

## PYRRHOTITE

- GS CHALCOGENIDES
- . SULFIDES
- . PYRRHOTITE
- . . . TROILITE
- IRON COMPOUNDS
- . PYRRHOTITE
- . . . TROILITE
- MINERALS
- . PYRRHOTITE
- . . . TROILITE
- SULFUR COMPOUNDS
- . SULFIDES
- . PYRRHOTITE
- . . . TROILITE

## PYRROLES

- GS ORGANIC COMPOUNDS
- . CYCLIC COMPOUNDS
- . HETEROCYCLIC COMPOUNDS
- . . . AZOLES
- . . . PYRROLES
- . . . . CARBAZOLES
- . . . . INDOLES
- . . . . TRYPTOPHAN
- RT METHOXY SYSTEMS

## PYRRONES (TRADEMARK)

- RT . POLYMERS

## PYRUVATES

- RT ORGANIC LIQUIDS



## P3V AIRCRAFT

**P3V AIRCRAFT**  
USE P-3 AIRCRAFT

**P78-2 SATELLITE**  
USE SCATHA SATELLITE

## Q

**Q DEVICES**  
RT MAGNETIC MIRRORS  
PLASMA PINCH  
ZETA PINCH

**Q FACTORS**  
UF HIGH Q  
QUALITY FACTORS  
RT FIGURE OF MERIT  
RESONANT VIBRATION  
SPECTRAL RESOLUTION  
TUNING

**Q SWITCHED LASERS**  
GS STIMULATED EMISSION DEVICES  
LASERS  
PULSED LASERS  
Q SWITCHED LASERS  
RT ARGON LASERS  
CARBON DIOXIDE LASERS  
CHEMICAL LASERS  
GAS LASERS  
RUBY LASERS  
SEMICONDUCTOR LASERS  
SOLID STATE LASERS

**Q VALUES**  
GS VALUE  
Q VALUES

**QCD**  
USE QUANTUM CHROMODYNAMICS

**QH-50 HELICOPTER**  
UF DASH HELICOPTER  
DSN HELICOPTER  
GYRODYNE DSN-3 HELICOPTER  
GYRODYNE MILITARY AIRCRAFT  
GS GYRODYNE AIRCRAFT  
QH-50 HELICOPTER  
V/STOL AIRCRAFT  
ROTARY WING AIRCRAFT  
HELICOPTERS  
MILITARY HELICOPTERS  
QH-50 HELICOPTER

**QSO (RADIO SOURCES)**  
USE QUASARS

**QUADRANTID METEORIODS**  
GS CELESTIAL BODIES  
METEOROID SHOWERS  
QUADRANTID METEORIODS  
METEORIODS  
QUADRANTID METEORIODS

**QUADRANTS**  
GS GEOMETRY  
EUCLIDEAN GEOMETRY  
ANALYTIC GEOMETRY  
QUADRANTS

**QUADRATIC EQUATIONS**  
GS ALGEBRA  
NONLINEAR EQUATIONS  
QUADRATIC EQUATIONS  
ANALYSIS (MATHEMATICS)  
REAL VARIABLES  
NONLINEAR EQUATIONS  
QUADRATIC EQUATIONS  
FIELD THEORY (ALGEBRA)  
QUADRATIC EQUATIONS  
RT EQUATIONS  
POLYNOMIALS

**QUADRATIC PROGRAMMING**  
GS OPTIMIZATION  
MATHEMATICAL PROGRAMMING  
QUADRATIC PROGRAMMING  
RESEARCH  
QUADRATIC PROGRAMMING  
RT PROGRAMMING

**QUADRATURE APPROXIMATION**  
USE QUADRATURES

**QUADRATURES**  
UF QUADRATURE APPROXIMATION  
RT CIRCULAR ORBITS  
ORBIT CALCULATION  
ORBITAL MECHANICS  
ORBITS  
SPACE MECHANICS

**QUADRUPOLE LENSES**  
USE MAGNETIC LENSES

**QUADRUPOLE NETWORKS**  
RT NETWORKS

**QUADRUPOLES**  
RT DIPOLES  
NUCLEAR QUADRUPOLE RESONANCE  
POLARITY

**QUAIL MISSILE**  
GS DECOYS  
QUAIL MISSILE  
MISSILES  
AIR TO SURFACE MISSILES  
RT QUAIL MISSILE  
COUNTERMEASURES  
TURBOJET ENGINES

**QUALIFICATIONS**  
RT CERTIFICATION  
CONTRACTORS  
EDUCATION  
EXPERIENCE  
FITNESS  
PERSONALITY TESTS  
PERSONNEL  
TESTS

**QUALITATIVE ANALYSIS**  
GS CHEMICAL TESTS  
CHEMICAL ANALYSIS  
QUALITATIVE ANALYSIS  
RT ANALYTICAL CHEMISTRY  
ELECTROPHOTOMETRY  
FLAME SPECTROSCOPY  
GAS ANALYSIS  
MASS SPECTROMETERS  
MICROANALYSIS  
NEUTRON ACTIVATION ANALYSIS  
QUANTITATIVE ANALYSIS  
SPECTROSCOPIC ANALYSIS

**QUALITY**  
GS QUALITY  
ENVIRONMENTAL QUALITY  
AIR QUALITY  
WATER QUALITY  
RIDING QUALITY  
RT ACCURACY  
ADEQUACY  
APPEARANCE  
COMPUTER SYSTEMS PERFORMANCE  
CONCENTRATION (COMPOSITION)  
CONSISTENCY  
CONTAMINANTS  
CONTROLLABILITY  
DURABILITY  
EVALUATION  
FIGURE OF MERIT  
FINENESS  
FLIGHT CHARACTERISTICS  
GRADE  
IMPURITIES  
MATERIALS TESTS  
PERFORMANCE  
POLLUTION  
PRECISION  
PRODUCT DEVELOPMENT  
PURITY  
RELIABILITY  
RESISTANCE  
SPECIFICATIONS  
STABILITY  
TESTS  
UPGRADING  
VALIDITY  
VARIABILITY

**QUALITY CONTROL**  
UF RELIABILITY CONTROL  
RT ACCELERATED LIFE TESTS

## QUALITY CONTROL-(CONT.)

ACCEPTABILITY  
AIRCRAFT RELIABILITY  
ASSURANCE  
AVERAGE  
BAYES THEOREM  
BURN-IN  
CERTIFICATION  
CHEMICAL TESTS  
CIRCUIT RELIABILITY  
COMPONENT RELIABILITY  
CONFIDENCE  
CONFIDENCE LIMITS  
CONSTRUCTION  
CONTROL  
CORRELATION  
CORRELATION COEFFICIENTS  
COVARIANCE  
DATA SAMPLING  
DEGREES OF FREEDOM  
ELECTRICAL PROPERTIES  
ELECTRONIC EQUIPMENT TESTS  
ERROR DETECTION CODES  
ERRORS  
ESTIMATES  
ESTIMATING  
EXPERIMENT DESIGN  
EXTRAPOLATION  
HYPOTHESES  
INFRARED INSPECTION  
INSPECTION  
LEAST SQUARES METHOD  
LINEAR PREDICTION  
LOW TEMPERATURE TESTS  
MANN-WHITNEY-WILCOXON U TEST  
MATERIALS TESTS  
MEAN  
MEDIAN (STATISTICS)  
MODE (STATISTICS)  
NONDESTRUCTIVE TESTS  
NORMALIZING (STATISTICS)  
OPERATIONS RESEARCH  
OPTIMIZATION  
ORTHOGONAL FUNCTIONS  
ORTHOGONALITY  
PRECISION  
PROBABILITY THEORY  
PROCESS CONTROL (INDUSTRY)  
PROCESSES  
PRODUCT DEVELOPMENT  
PRODUCTION MANAGEMENT  
PRODUCTS  
RANDOM ERRORS  
RANDOM SAMPLING  
RANGE (EXTREMES)  
REGRESSION ANALYSIS  
REGRESSION COEFFICIENTS  
RELIABILITY  
RELIABILITY ENGINEERING  
SAMPLING  
SCHEDULING  
SEQUENTIAL ANALYSIS  
SPACECRAFT RELIABILITY  
SPECIFICATIONS  
STANDARD DEVIATION  
STANDARDIZATION  
STANDARDS  
STATIC TESTS  
STATISTICAL ANALYSIS  
STATISTICAL CORRELATION  
STATISTICAL DISTRIBUTIONS  
STATISTICAL TESTS  
STRUCTURAL RELIABILITY  
SYSTEMS  
TASK COMPLEXITY  
TASKS  
TESTS  
TOLERANCES (MECHANICS)  
ULTRASONIC FLAW DETECTION  
VALUE ENGINEERING  
VARIABILITY  
VARIANCE (STATISTICS)  
WEAR TESTS

**QUALITY FACTORS**  
USE Q FACTORS

**QUANTILES**  
GS STATISTICAL ANALYSIS  
QUANTILES  
RT MATHEMATICAL MODELS  
STATISTICAL DISTRIBUTIONS  
STATISTICS  
SYMMETRY

**QUANTITATIVE ANALYSIS**

- GS CHEMICAL TESTS
  - . CHEMICAL ANALYSIS
  - . . **QUANTITATIVE ANALYSIS**
  - . . . KJELDAHL METHOD
  - . . . VAN SLYKE METHOD
- RT ANALYTICAL CHEMISTRY
  - CHROMATOGRAPHY
  - ELECTROPHOTOMETRY
  - GAS ANALYSIS
  - GRAVIMETRY
  - IODIMETRY
  - KARL FISCHER REAGENT
  - MICROANALYSIS
  - NEUTRON ACTIVATION ANALYSIS
  - POLAROGRAPHY
  - QUALITATIVE ANALYSIS
  - RADIOCHEMICAL SEPARATION
  - SPECTROSCOPIC ANALYSIS
  - VOLUMETRIC ANALYSIS

**QUANTITY**

- USE AMOUNT

**QUANTIZATION**

- USE MEASUREMENT

**QUANTIZER**

- USE COUNTERS

**QUANTUM AMPLIFIERS**

- RT INFORMATION THEORY
  - LASERS
  - TWO-WAVELENGTH LASERS
  - ULTRASHORT PULSED LASERS
  - ULTRAVIOLET LASERS

**QUANTUM CHEMISTRY**

- GS PHYSICAL CHEMISTRY
  - . **QUANTUM CHEMISTRY**
- RT  $\infty$ CHEMISTRY
  - NUCLEAR CHEMISTRY
  - QUANTUM MECHANICS

**QUANTUM CHROMODYNAMICS**

- UF COLOR (PARTICLE PHYSICS)
  - QCD
- GS FIELD THEORY (PHYSICS)
  - . **QUANTUM CHROMODYNAMICS**
  - . . INSTANTONS
- RT  $\infty$ DYNAMICS
  - GLUONS
  - LEPTONS
  - PARTICLE INTERACTIONS
  - QUANTUM MECHANICS
  - QUARK MODELS
  - QUARKS
  - STRING THEORY
  - $\infty$ THEORIES

**QUANTUM COUNTERS**

- GS MEASURING INSTRUMENTS
  - . COUNTERS
  - . . RADIATION COUNTERS
  - . . . **QUANTUM COUNTERS**
  - . . . RADIATION MEASURING INSTRUMENTS
  - . . . RADIATION COUNTERS
  - . . . **QUANTUM COUNTERS**
- RT SQUID (DETECTORS)

**QUANTUM EFFICIENCY**

- RT ENERGY CONVERSION EFFICIENCY
  - ENERGY TECHNOLOGY
  - HETEROJUNCTION DEVICES
  - LASER OUTPUTS
  - SOLAR CELLS
  - VOLT-AMPERE CHARACTERISTICS

**QUANTUM ELECTRODYNAMICS**

- GS ELECTRODYNAMICS
  - . **QUANTUM ELECTRODYNAMICS**
  - QUANTUM MECHANICS
  - . **QUANTUM ELECTRODYNAMICS**
- RT ELECTROMAGNETIC FIELDS
  - FEYNMAN DIAGRAMS
  - FIELD THEORY (PHYSICS)
  - LANDAU-GINZBURG EQUATIONS
  - RESONANCE FLUORESCENCE
  - SELF CONSISTENT FIELDS

**QUANTUM ELECTRONICS**

- RT  $\infty$ ELECTRONICS
  - LASERS
  - QUANTUM MECHANICS

**QUANTUM ELECTRONICS-(CONT.)**

## QUANTUM THEORY

**QUANTUM GENERATORS**

- USE STIMULATED EMISSION DEVICES

**QUANTUM MECHANICS**

- GS **QUANTUM MECHANICS**
  - . PAULI EXCLUSION PRINCIPLE
  - . QUANTUM ELECTRODYNAMICS
- RT ATOMIC INTERACTIONS
  - BETHE-SALPETER EQUATION
  - BORN APPROXIMATION
  - DYSON THEORY
  - ELECTROMAGNETIC INTERACTIONS
  - ENERGY DISTRIBUTION
  - FERMI-DIRAC STATISTICS
  - FUNCTION SPACE
  - GROUP VELOCITY
  - HYLLERAAS COORDINATES
  - LIGHT-CONE EXPANSION
  - $\infty$ MECHANICS (PHYSICS)
  - ORR-SOMMERFELD EQUATIONS
  - PHASE VELOCITY
  - QUANTUM CHEMISTRY
  - QUANTUM CHROMODYNAMICS
  - QUANTUM ELECTRONICS
  - QUANTUM OPTICS
  - RACAH COEFFICIENT
  - RELATIVITY
  - SQUEEZED STATES (QUANTUM THEORY)
  - STATISTICAL MECHANICS
  - STRANGENESS
  - U SPIN SPACE
  - WAVE PACKETS

**QUANTUM NUMBERS**

- RT ANGULAR MOMENTUM
  - ELECTRONS
  - ENERGY LEVELS
  - NUCLEAR SPIN
- $\infty$ NUMBERS
  - PARITY
  - SELECTION RULES (NUCLEAR PHYSICS)

**QUANTUM OPTICS**

- RT NONLINEAR OPTICS
  - $\infty$ OPTICS
  - PHYSICAL OPTICS
  - QUANTUM MECHANICS
  - QUANTUM THEORY

**QUANTUM STATISTICS**

- UF BOSE-EINSTEIN STATISTICS
- RT BOSONS
  - FERMI-DIRAC STATISTICS
  - FERMIONS
  - MANY BODY PROBLEM
- $\infty$ STATISTICS
  - SUPERFLUIDITY
  - THOMAS-FERMI MODEL

**QUANTUM THEORY**

- UF WIGHTMAN THEORY
- GS THEORETICAL PHYSICS
  - . **QUANTUM THEORY**
  - . . BOHR THEORY
- RT ANGULAR MOMENTUM
  - ATOMIC THEORY
  - CHARM (PARTICLE PHYSICS)
  - DE BROGLIE WAVELENGTHS
  - DIRAC EQUATION
  - ELEMENTARY PARTICLES
  - EMISSION
  - ENERGY LEVELS
  - FIELD THEORY (PHYSICS)
  - FLAVOR (PARTICLE PHYSICS)
  - FORBIDDEN TRANSITIONS
  - GROUND STATE
  - HAMILTONIAN FUNCTIONS
  - KLEIN-DUNHAM POTENTIAL
  - MAGNETIC MONOPOLES
  - MANDELSTAM REPRESENTATION
  - MOLECULAR ORBITALS
  - NUCLEAR PHYSICS
  - NUCLEAR SPIN
  - PARITY
  - PERTURBATION THEORY
  - PHOTONS
  - PHYSICAL OPTICS
  - PLANCKS CONSTANT
  - QUANTUM ELECTRONICS
  - QUANTUM OPTICS
  - $\infty$ RADIATION
  - RADIATION LAWS

**QUANTUM THEORY-(CONT.)**

- SCHUMANN-RUNGE BANDS
- SQUEEZED STATES (QUANTUM THEORY)
- STATISTICAL DISTRIBUTIONS
- STATISTICAL MECHANICS
- STRING THEORY
- SUPERGRAVITY
- SUPERSYMMETRY
- $\infty$ THEORIES
- WAVE EQUATIONS

**QUANTUM WELLS**

- GS POTENTIAL ENERGY
  - . ELECTRIC POTENTIAL
  - . . **QUANTUM WELLS**
- RT BAND STRUCTURE OF SOLIDS
  - CONDUCTION BANDS
  - CONDUCTION ELECTRONS
  - ENERGY BANDS
  - ENERGY GAPS (SOLID STATE)
  - GAPS
  - HETEROJUNCTION DEVICES
  - HETEROJUNCTIONS
  - VALENCE

**QUARK MODELS**

- GS MODELS
  - . **QUARK MODELS**
  - . . QUARK PARTON MODEL
- RT FLAVOR (PARTICLE PHYSICS)
  - PARTICLE THEORY
  - QUANTUM CHROMODYNAMICS
  - QUARKS

**QUARK PARTON MODEL**

- GS MODELS
  - . QUARK MODELS
  - . . **QUARK PARTON MODEL**
- RT HADRONS
  - INELASTIC SCATTERING
  - LEPTONS
  - NUCLEAR MODELS
  - PARTONS
  - QUARKS

**QUARKS**

- GS PARTICLES
  - . ELEMENTARY PARTICLES
  - . . **QUARKS**
- RT FLAVOR (PARTICLE PHYSICS)
  - GLUONS
  - INSTANTONS
  - PARTONS
  - QUANTUM CHROMODYNAMICS
  - QUARK MODELS
  - QUARK PARTON MODEL

**QUARRIES**

- USE MINES (EXCAVATIONS)

**QUARTIC EQUATIONS**

- GS ALGEBRA
  - . NONLINEAR EQUATIONS
  - . . **QUARTIC EQUATIONS**
  - . . . ANALYSIS (MATHEMATICS)
  - . . . REAL VARIABLES
  - . . . NONLINEAR EQUATIONS
  - . . . **QUARTIC EQUATIONS**
- RT  $\infty$ EQUATIONS

**QUARTILES**

- RT PROBABILITY DENSITY FUNCTIONS
  - STATISTICAL ANALYSIS
  - STATISTICAL DISTRIBUTIONS

**QUARTZ**

- GS CHALCOGENIDES
  - . OXIDES
  - . . DIOXIDES
  - . . . SILICON DIOXIDE
  - . . . . **QUARTZ**
  - . . . . COESITE
  - . . . . STISHOVITE
  - . . . SILICON OXIDES
  - . . . SILICON DIOXIDE
  - . . . . **QUARTZ**
  - . . . . COESITE
  - . . . . STISHOVITE
- MINERALS
  - . **QUARTZ**
  - . . COESITE
  - . . STISHOVITE
- SILICON COMPOUNDS
  - . SILICON OXIDES
  - . . SILICON DIOXIDE

## QUARTZ CRYSTALS

### QUARTZ-(CONT.)

RT **QUARTZ**  
 . . . COESITE  
 . . . STISHOVITE  
 ABRASIVES  
 FELSITE  
 FLINT  
 IGNEOUS ROCKS  
 ROCKS  
 SANDS  
 SOILS

### QUARTZ CRYSTALS

GS CRYSTALS  
**QUARTZ CRYSTALS**  
 FREQUENCY CONTROL  
 FREQUENCY STABILITY  
 RADIO TRANSMITTERS  
 SILICON DIOXIDE

### QUARTZ LAMPS

GS LIGHTING EQUIPMENT  
 . LUMINAIRES  
 . **QUARTZ LAMPS**

### QUARTZ TRANSDUCERS

GS TRANSDUCERS  
 . **QUARTZ TRANSDUCERS**  
 RT PIEZOELECTRIC CRYSTALS  
 PRESSURE SENSORS

### QUARTZITE

GS ROCKS  
 . METAMORPHIC ROCKS  
 . **QUARTZITE**

### QUASARS

UF QSO (RADIO SOURCES)  
 QUASI-STELLAR RADIO SOURCES  
 GS CELESTIAL BODIES  
 . RADIO SOURCES (ASTRONOMY)  
 . **QUASARS**  
 RT ACTIVE GALACTIC NUCLEI  
 ACTIVE GALAXIES  
 EXTRAGALACTIC RADIO SOURCES  
 GALAXIES  
 GRAVITATIONAL COLLAPSE  
 IRREGULAR GALAXIES  
 PULSARS  
 RADIO ASTRONOMY  
 RADIO BURSTS  
 RADIO EMISSION  
 RADIO GALAXIES  
 RADIO JETS (ASTRONOMY)  
 RADIO STARS  
 STARS  
 X RAY SPECTRA

### QUASAT

SN (QUASAR SATELLITE)  
 GS OBSERVATORIES  
 . ASTRONOMICAL OBSERVATORIES  
 . ASTRONOMICAL SATELLITES  
 . **QUASAT**  
 RT EUROPEAN SPACE PROGRAMS  
 NASA PROGRAMS  
 RADIO ASTRONOMY  
 RADIO TELESCOPES  
 SPACEBORNE ASTRONOMY  
 VERY LONG BASE INTERFEROMETRY

### QUASI-PARTICLES

USE ELEMENTARY EXCITATIONS

### QUASI-STEADY STATES

RT EQUILIBRIUM FLOW  
 FLUID DYNAMICS  
 NONEQUILIBRIUM FLOW  
 STEADY FLOW  
 STEADY STATE CREEP  
 UNIFORM FLOW

### QUASI-STELLAR RADIO SOURCES

USE QUASARS

### QUASILINEARITY

USE NONLINEARITY

### QUATERNARY ALLOYS

GS ALLOYS  
 . **QUATERNARY ALLOYS**  
 RT ALLOYING

### QUATERNIONS

RT CLASSICAL MECHANICS  
 NUMBER THEORY

### QUEBEC

GS NATIONS  
 . CANADA  
 . **QUEBEC**

### QUEFRENCIES

GS FREQUENCIES  
 . ACOUSTIC FREQUENCIES  
 . AUDIO FREQUENCIES  
 . **QUEFRENCIES**  
 RT CEPSTRA

### QUENCHING

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED-CONSULT THE TERMS  
 LISTED BELOW)*  
 RT EXTINGUISHING  
 QUENCHING (COOLING)  
 RAPID QUENCHING (METALLURGY)

### QUENCHING (ATOMIC PHYSICS)

GS GYRATION  
 . PRECESSION  
 . **QUENCHING (ATOMIC PHYSICS)**  
 RT ANGULAR MOMENTUM  
 MAGNETIC MOMENTS  
 PARTICLE SPIN  
 ∞ PHYSICS

### QUENCHING (COOLING)

UF FLAME QUENCHING  
 GS COOLING  
 . **QUENCHING (COOLING)**  
 RT BATHS  
 COMBUSTION  
 DIPPING  
 EXTINGUISHING  
 HARDENING (MATERIALS)  
 HEAT TREATMENT  
 MICROSTRUCTURE  
 ∞ QUENCHING  
 SUBMERGING  
 SUPERCOOLING  
 SUPERSATURATION  
 THERMOMECHANICAL TREATMENT  
 WATER IMMERSION

### QUERY LANGUAGES

GS LANGUAGES  
 . COMMAND LANGUAGES  
 . **QUERY LANGUAGES**  
 RT INFORMATION RETRIEVAL  
 MAN-COMPUTER INTERFACE

### QUESTOL

SN (EXPERIMENTAL STOL TRANSPORT  
 RESEARCH AIRPLANE)  
 UF EXPERIMENTAL STOL TRANSPORT RSCH  
 AIRPLANE  
 GS RESEARCH AIRCRAFT  
 . **QUESTOL**  
 V/STOL AIRCRAFT  
 . SHORT TAKEOFF AIRCRAFT  
 . **QUESTOL**  
 RT ∞ AIRCRAFT  
 NASA PROGRAMS

### QUEUEING THEORY

RT ARPA COMPUTER NETWORK  
 BUNCHING  
 MATHEMATICAL MODELS  
 OPERATIONS RESEARCH  
 STATISTICAL ANALYSIS  
 STOCHASTIC PROCESSES  
 ∞ THEORIES

### QUIET ENGINE PROGRAM

GS PROGRAMS  
 . NASA PROGRAMS  
 . **QUIET ENGINE PROGRAM**  
 RT AIRCRAFT ENGINES  
 ENGINE NOISE  
 JET AIRCRAFT NOISE  
 JET ENGINES  
 NOISE REDUCTION

### QUINOLINE

GS BASES (CHEMICAL)  
 . **QUINOLINE**  
 NITROGEN COMPOUNDS

### QUINOLINE-(CONT.)

. **QUINOLINE**  
 ORGANIC COMPOUNDS  
 . **QUINOLINE**  
 RT ALKALOIDS  
 DRUGS  
 PYRIDINES

### QUINOXALINES

GS ORGANIC COMPOUNDS  
 . HYDROCARBONS  
 . **QUINOXALINES**  
 PLASTICS  
 . SYNTHETIC RESINS  
 . THERMOPLASTIC RESINS  
 . **QUINOXALINES**  
 RESINS  
 . SYNTHETIC RESINS  
 . THERMOPLASTIC RESINS  
 . **QUINOXALINES**  
 RT POLYMERIZATION

### QUOTIENTS

RT DIVIDING (MATHEMATICS)

## R

### R CORONAE BOREALIS STARS

UF RCB STARS  
 GS CELESTIAL BODIES  
 . STARS  
 . SUPERGIANT STARS  
 . **R CORONAE BOREALIS STARS**  
 . VARIABLE STARS  
 . IRREGULAR VARIABLE STARS  
 . **R CORONAE BOREALIS STARS**  
 RT CARBON STARS  
 COOL STARS  
 DUST  
 STELLAR ENVELOPES  
 STELLAR MASS EJECTION

### RA-28 ENGINE

GS ENGINES  
 . AIR BREATHING ENGINES  
 . GAS TURBINE ENGINES  
 . JET ENGINES  
 . TURBOJET ENGINES  
 . **RA-28 ENGINE**  
 . INTERNAL COMBUSTION ENGINES  
 . GAS TURBINE ENGINES  
 . JET ENGINES  
 . TURBOJET ENGINES  
 . **RA-28 ENGINE**  
 . TURBINE ENGINES  
 . GAS TURBINE ENGINES  
 . JET ENGINES  
 . TURBOJET ENGINES  
 . **RA-28 ENGINE**

### RABBITS

GS ANIMALS  
 . VERTEBRATES  
 . MAMMALS  
 . RODENTS  
 . **RABBITS**

### RACAH COEFFICIENT

RT ANGULAR MOMENTUM  
 COEFFICIENTS  
 COUPLING  
 QUANTUM MECHANICS  
 TRANSFORMATIONS (MATHEMATICS)

### RACE FACTORS

RT ANTHROPOLOGY  
 CULTURE (SOCIAL SCIENCES)  
 HUMAN BEINGS  
 HUMAN PERFORMANCE  
 RACES (ANTHROPOLOGY)  
 SOCIAL FACTORS  
 SOCIOLOGY  
 ∞ VARIABLE

### RACES (ANTHROPOLOGY)

RT AMERICAN INDIANS  
 ANTHROPOLOGY  
 CULTURE (SOCIAL SCIENCES)  
 HUMAN BEINGS  
 MINORITIES  
 RACE FACTORS

## RADAR EQUIPMENT

### RACETRACKS (PARTICLE ACCELERATORS)

RT ∞ ACCELERATORS  
ELECTROMAGNETS  
MAGNETIC FIELDS  
PARTICLE ACCELERATION  
PARTICLE ACCELERATORS  
PARTICLE TRAJECTORIES

### ∞ RACKS

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
RT RACKS (FRAMES)  
RACKS (GEARS)

### RACKS (FRAMES)

RT ∞ RACKS  
∞ SHELVES  
∞ STORAGE  
SUPPORTS

### RACKS (GEARS)

GS GEARS  
RT ∞ RACKS  
TRANSLATIONAL MOTION

### RACON BEACONS

USE RADAR BEACONS

### RADANT

GS ANTENNAS  
. DIRECTIONAL ANTENNAS  
. RADAR ANTENNAS  
. RADANT  
RADAR EQUIPMENT  
. RADAR ANTENNAS  
. RADANT  
RT RADAR FILTERS  
RADOMES  
SLOT ANTENNAS  
WAVEGUIDE ANTENNAS

### RADAR

UF RADIO ASSISTED DETECTION AND RANGING  
GS RADAR  
. COHERENT RADAR  
. CONTINUOUS WAVE RADAR  
. DOPPLER RADAR  
. MULTISTATIC RADAR  
. IMAGING RADAR  
. INCOHERENT SCATTER RADAR  
. EISCAT RADAR SYSTEM (EUROPE)  
. INFRARED RADAR  
. LANDING RADAR  
. METEOROLOGICAL RADAR  
. MOVING TARGET INDICATORS  
. MULTISPECTRAL RADAR  
. OPTICAL RADAR  
. PULSE RADAR  
. PULSE DOPPLER RADAR  
. EARTH RESOURCES SHUTTLE  
. IMAGING RADAR  
. MONOPULSE RADAR  
. RADAR MEASUREMENT  
. RANGE AND RANGE RATE TRACKING  
. SATELLITE-BORNE RADAR  
. SEARCH RADAR  
. NORTH AMERICAN SEARCH AND RANGING RADAR  
. OVER-THE-HORIZON RADAR  
. SECONDARY RADAR  
. SPACE BASED RADAR  
. SURVEILLANCE RADAR  
. AIRBORNE SURVEILLANCE RADAR  
. COBRA DANE (RADAR)  
. MULTISTATIC RADAR  
. SYNTHETIC APERTURE RADAR  
. SIDE-LOOKING RADAR  
. TRACKING RADAR  
. COBRA DANE (RADAR)  
. TRADEX RADAR SYSTEM  
. VENUS ORBITING IMAGING RADAR (SPACECRAFT)  
RT AIRCRAFT INSTRUMENTS  
CANCELLATION CIRCUITS  
CIRCUMLUNAR COMMUNICATION  
COLLISION AVOIDANCE  
DISPLAY DEVICES  
DISTANCE MEASURING EQUIPMENT  
ELECTROMAGNETIC RADIATION  
FLIGHT INSTRUMENTS  
INSTRUMENT LANDING SYSTEMS  
LUNAR COMMUNICATION

### RADAR-(CONT.)

NAVIGATION INSTRUMENTS  
NIGHT FLIGHTS (AIRCRAFT)  
PULSE COMPRESSION  
RADAR DETECTION  
SCATTEROMETERS

### RADAR ABSORBERS

GS ABSORBERS (MATERIALS)  
. RADAR ABSORBERS  
. ANTIRADAR COATINGS  
RT COUNTERMEASURES  
ELECTROMAGNETIC ABSORPTION

### RADAR ALTIMETERS

USE RADIO ALTIMETERS

### RADAR ANTENNAS

GS ANTENNAS  
. DIRECTIONAL ANTENNAS  
. RADAR ANTENNAS  
. RADANT  
RADAR EQUIPMENT  
. RADAR ANTENNAS  
. RADANT  
RT AIRCRAFT ANTENNAS  
DIPLEXERS  
DIPLOLE ANTENNAS  
DOGHOUSES (ELECTRONICS)  
HIGH RESOLUTION COVERAGE ANTENNAS  
HORN ANTENNAS  
LENS ANTENNAS  
MICROWAVE ANTENNAS  
PARABOLIC ANTENNAS  
RADOMES  
REFLECTOR ANTENNAS  
SCHWARZSCHILD ANTENNAS  
SIDELOBE REDUCTION  
SLOT ANTENNAS  
STEERABLE ANTENNAS

### RADAR APPROACH CONTROL

UF RAPCON (CONTROL)  
GS APPROACH CONTROL  
. RADAR APPROACH CONTROL  
GROUND BASED CONTROL  
. AIR TRAFFIC CONTROL  
. RADAR APPROACH CONTROL  
TRAFFIC CONTROL  
. AIR TRAFFIC CONTROL  
. RADAR APPROACH CONTROL  
RT AIRBORNE RADAR APPROACH  
AIRCRAFT GUIDANCE  
APPROACH INDICATORS  
∞ CONTROL  
INSTRUMENT LANDING SYSTEMS  
LANDING AIDS  
LANDING INSTRUMENTS  
LANDING RADAR  
RADARSCOPES  
SURVEILLANCE RADAR

### RADAR ASTRONOMY

GS ASTRONOMY  
. RADAR ASTRONOMY  
RT RADIO ASTRONOMY

### RADAR ATTENUATION

GS ATTENUATION  
. WAVE ATTENUATION  
. RADAR ATTENUATION  
RT ATMOSPHERIC ATTENUATION  
ELECTROMAGNETIC ABSORPTION  
ELECTROMAGNETIC WAVE TRANSMISSION  
RADIO ATTENUATION  
SIDELOBE REDUCTION  
SIGNAL TRANSMISSION  
TRANSMISSION  
WAVE PROPAGATION

### RADAR BEACONS

UF RACON BEACONS  
GS NAVIGATION AIDS  
. BEACONS  
. RADAR BEACONS  
. DISCRETE ADDRESS BEACON SYSTEM  
RADAR EQUIPMENT  
. RADAR BEACONS  
. DISCRETE ADDRESS BEACON SYSTEM  
RT AIRCRAFT COMMUNICATION  
COMPASSES

### RADAR BEACONS-(CONT.)

POSITION (LOCATION)  
SOLAR COMPASSES  
TRANSPONDERS

### RADAR BEAMS

GS BEAMS (RADIATION)  
. RADAR BEAMS  
RT PENCIL BEAMS

### RADAR CLUTTER MAPS

GS MAPS  
. RADAR CLUTTER MAPS

### RADAR CORNER REFLECTORS

UF LUNEBERG LENSES  
GS RADAR EQUIPMENT  
. RADAR REFLECTORS  
. RADAR CORNER REFLECTORS  
REFLECTORS  
. RADAR REFLECTORS  
. RADAR CORNER REFLECTORS  
RT REFLECTOR ANTENNAS  
RETROREFLECTORS

### RADAR CROSS SECTIONS

RT ANGELS (RADAR)  
∞ CROSS SECTIONS  
LOW OBSERVABLE REENTRY VEHICLES  
MOVING TARGET INDICATORS

### RADAR DATA

RT ∞ DATA  
MICROWAVE PHOTOGRAPHY  
VIDEO DATA

### RADAR DETECTION

GS DETECTION  
. MISSILE DETECTION  
. RADAR DETECTION  
RT COHERENT RADAR  
CONTINUOUS WAVE RADAR  
DIGITAL RADAR SYSTEMS  
DOPPLER RADAR  
ELECTRONIC COUNTERMEASURES  
ELECTRONIC WARFARE  
MULTISTATIC RADAR  
OPTICAL RADAR  
OVER-THE-HORIZON RADAR  
RADAR  
RADAR TARGET SCATTER SITE  
PROGRAM  
RADARSCOPES  
RESOLUTION CELL  
SATELLITE-BORNE RADAR  
SEARCH RADAR  
SIGNAL DETECTION

### RADAR DIRECTION FINDERS

USE RADIO DIRECTION FINDERS

### RADAR DISPLAYS

USE RADARSCOPES

### RADAR ECHOES

UF RADAR REFLECTIONS  
GS ECHOES  
. RADAR ECHOES  
. ANGELS (RADAR)  
. CLUTTER  
. LUNAR RADAR ECHOES  
. SOLAR RADAR ECHOES  
. VENUS RADAR ECHOES  
RT AURORAL ECHOES  
CHAFF  
GHOSTS  
GLINT  
TARGETS

### RADAR EQUIPMENT

GS RADAR EQUIPMENT  
. DOGHOUSES (ELECTRONICS)  
. RADAR ANTENNAS  
. RADANT  
. RADAR BEACONS  
. DISCRETE ADDRESS BEACON SYSTEM  
. RADAR FILTERS  
. RADAR RECEIVERS  
. RADAR REFLECTORS  
. RADAR CORNER REFLECTORS  
. RADAR TRANSMITTERS  
. RADARSCOPES  
. PLAN POSITION INDICATORS

## RADAR FILTERS

### RADAR EQUIPMENT-(CONT.)

RT RETROREFLECTORS  
 AIRBORNE EQUIPMENT  
 AIRPORT SURFACE DETECTION EQUIPMENT  
 AUTOMATED RADAR TERMINAL SYSTEM  
 DIGITAL RADAR SYSTEMS  
 DIPLEXERS  
 DISTANCE MEASURING EQUIPMENT  
 DOPPLER RADAR  
 EQUIPMENT  
 JAMMERS  
 LOOK ANGLES (ELECTRONICS)  
 ONBOARD EQUIPMENT  
 PARABOLIC ANTENNAS  
 RADIO EQUIPMENT  
 RADOMES  
 RANGE FINDERS  
 SERVOMECHANISMS  
 SYNTHETIC APERTURE RADAR  
 TRANSPONDERS

### RADAR FILTERS

GS ELECTROMAGNETIC WAVE FILTERS  
 ELECTRIC FILTERS  
 RADAR FILTERS  
 RADAR EQUIPMENT  
 RADAR FILTERS  
 RT FIR FILTERS  
 MICROWAVE FILTERS  
 RADANT  
 RADIO FILTERS  
 WAVEGUIDE FILTERS

### RADAR GEOLOGY

GS GEOLOGY  
 RADAR GEOLOGY  
 RT GEOLOGICAL SURVEYS  
 SHUTTLE IMAGING RADAR

### RADAR HOMING MISSILES

GS MISSILES  
 RADAR HOMING MISSILES  
 RT MILITARY TECHNOLOGY  
 MISSILE CONTROL  
 MISSILE SYSTEMS  
 TARGET RECOGNITION

### RADAR IMAGERY

GS IMAGERY  
 RADAR IMAGERY  
 RT CHANGE DETECTION  
 EARTH RESOURCES SHUTTLE IMAGING  
 RADAR  
 IMAGE ANALYSIS  
 IMAGING RADAR  
 IMAGING TECHNIQUES  
 INFRARED RADAR  
 LUNAR EQUATOR  
 MAGELLAN SPACECRAFT (NASA)  
 RADAR MAPS  
 RESOLUTION CELL  
 SHUTTLE IMAGING RADAR  
 SIDE-LOOKING RADAR  
 X RAY IMAGERY

### RADAR MAPS

GS MAPS  
 RADAR MAPS  
 RT MAP MATCHING GUIDANCE  
 METEOROLOGICAL CHARTS  
 RADAR IMAGERY

### RADAR MEASUREMENT

GS RADAR  
 RADAR MEASUREMENT  
 RT ALTIMETRY  
 DISTANCE MEASURING EQUIPMENT  
 MEASUREMENT  
 RADIO ALTIMETERS  
 RANGEFINDING  
 SATELLITE ALTIMETRY

### RADAR NAVIGATION

GS NAVIGATION  
 RADAR NAVIGATION  
 RT AIR NAVIGATION  
 AIR TRAFFIC CONTROL  
 AIRCRAFT GUIDANCE  
 ALL-WEATHER AIR NAVIGATION  
 AUTOMATIC FLIGHT CONTROL  
 CELESTIAL NAVIGATION  
 COLLISION AVOIDANCE  
 DEAD RECKONING  
 DISTANCE

### RADAR NAVIGATION-(CONT.)

DISTANCE MEASURING EQUIPMENT  
 DOPPLER NAVIGATION  
 DOPPLER RADAR  
 DOPPLER-FIZEAU EFFECT  
 GROUND BASED CONTROL  
 INERTIAL NAVIGATION  
 INTERPLANETARY NAVIGATION  
 MAP MATCHING GUIDANCE  
 RADARSCOPES  
 RADIO NAVIGATION  
 SATELLITE NAVIGATION SYSTEMS  
 SPACE NAVIGATION  
 SURFACE NAVIGATION  
 TACAN

### RADAR NETWORKS

UF MULTIRADAR TRACKING  
 GS TRACKING NETWORKS  
 RADAR NETWORKS  
 RT DOPPLER RADAR  
 NETWORKS  
 POLYSTATION DOPPLER TRACKING SYSTEM  
 TRACKING STATIONS

### RADAR OBSERVATION

USE RADAR TRACKING

### RADAR PHOTOGRAPHY

GS IMAGERY  
 RADAR PHOTOGRAPHY  
 PHOTOGRAPHY  
 MULTISPECTRAL PHOTOGRAPHY  
 RADAR PHOTOGRAPHY  
 RT BLACK AND WHITE PHOTOGRAPHY  
 MICROWAVE PHOTOGRAPHY  
 RADARSCOPES  
 SPECTRAL RECONNAISSANCE  
 ULTRAVIOLET PHOTOGRAPHY

### RADAR RANGE

GS DISTANCE  
 RADAR RANGE  
 RT CONTINUOUS WAVE RADAR  
 OPTICAL SLANT RANGE  
 OVER-THE-HORIZON RADAR  
 RADIO RANGE

### RADAR RECEIVERS

GS RADAR EQUIPMENT  
 RADAR RECEIVERS  
 RECEIVERS  
 RADAR RECEIVERS  
 RT DIGITAL RADAR SYSTEMS  
 ELECTROMAGNETIC NOISE  
 MICROWAVE SENSORS  
 RADIO RECEIVERS  
 REPEATERS

### RADAR RECEPTION

RT RADIO RECEPTION  
 RECEIVING  
 SIDELobe REDUCTION

### RADAR REFLECTIONS

USE RADAR ECHOES

### RADAR REFLECTORS

GS RADAR EQUIPMENT  
 RADAR REFLECTORS  
 RADAR CORNER REFLECTORS  
 REFLECTORS  
 RADAR REFLECTORS  
 RADAR CORNER REFLECTORS  
 RT PARABOLIC ANTENNAS  
 PARABOLIC REFLECTORS  
 RADIO ECHOES  
 REFLECTOR ANTENNAS  
 SIDELobe REDUCTION

### RADAR RESOLUTION

GS RESOLUTION  
 RADAR RESOLUTION  
 RT ANGULAR RESOLUTION  
 DISPLAY DEVICES  
 HIGH RESOLUTION COVERAGE  
 ANTENNAS  
 SIDELobe REDUCTION  
 SPECTRAL RESOLUTION

### RADAR SCANNING

GS SCANNING  
 RADAR SCANNING

### RADAR SCANNING-(CONT.)

RT CONICAL SCANNING  
 DIGITAL RADAR SYSTEMS  
 FREQUENCY SCANNING  
 METEOROLOGICAL RADAR  
 MULTIPLE BEAM INTERVAL SCANNERS  
 PANORAMIC SCANNING  
 RADIO TRACKING  
 SIDE-LOOKING RADAR  
 SURVEILLANCE

### RADAR SCATTERING

GS SCATTERING  
 RADAR SCATTERING  
 RT EISCAT RADAR SYSTEM (EUROPE)  
 INCOHERENT SCATTER RADAR  
 INCOHERENT SCATTERING  
 RADAR TARGET SCATTER SITE PROGRAM  
 SCATTEROMETERS

### RADAR SIGNATURES

GS SIGNATURES  
 RADAR SIGNATURES  
 RT COBRA DANE (RADAR)  
 DETECTION  
 IMAGERY  
 SIGNATURE ANALYSIS  
 TARGET RECOGNITION

### RADAR TARGET SCATTER SITE PROGRAM

UF RATSCAT PROGRAM  
 GS PROGRAMS  
 RADAR TARGET SCATTER SITE PROGRAM  
 TARGETS  
 RADAR TARGETS  
 RADAR TARGET SCATTER SITE PROGRAM  
 RT RADAR DETECTION  
 RADAR SCATTERING

### RADAR TARGETS

GS TARGETS  
 RADAR TARGETS  
 RADAR TARGET SCATTER SITE PROGRAM  
 RT DIGITAL RADAR SYSTEMS  
 EARLY WARNING SYSTEMS  
 RADIAL VELOCITY

### RADAR TRACKING

UF RADAR OBSERVATION  
 GS TRACKING (POSITION)  
 RADAR TRACKING  
 RT AUTOMATED RADAR TERMINAL SYSTEM  
 BALLISTIC MISSILE EARLY WARNING SYSTEM  
 COMPENSATORY TRACKING  
 DIGITAL RADAR SYSTEMS  
 DOPPLER RADAR  
 EARLY WARNING SYSTEMS  
 METEOROLOGICAL RADAR  
 MONOPULSE RADAR  
 MOVING TARGET INDICATORS  
 PURSUIT TRACKING  
 RADIO TRACKING  
 RANGE AND RANGE RATE TRACKING  
 RANGEFINDING  
 RAWINSONDES  
 SEARCH RADAR  
 SLEWING  
 SPACECRAFT TRACKING  
 SURVEILLANCE RADAR  
 THREAT EVALUATION  
 TRACKING RADAR  
 TRANSPONDER CONTROL GROUP

### RADAR TRANSMISSION

GS TRANSMISSION  
 ELECTROMAGNETIC WAVE  
 TRANSMISSION  
 RADAR TRANSMISSION  
 SIGNAL TRANSMISSION  
 RADAR TRANSMISSION  
 RT ATMOSPHERIC ATTENUATION  
 DIGITAL RADAR SYSTEMS  
 EISCAT RADAR SYSTEM (EUROPE)  
 ELECTROMAGNETIC PULSES  
 RADIO TRANSMISSION  
 RADOME MATERIALS  
 WAVE ATTENUATION  
 WAVE PROPAGATION

**RADAR TRANSMITTERS**

GS RADAR EQUIPMENT  
 . RADAR TRANSMITTERS  
 TRANSMITTERS  
 . RADAR TRANSMITTERS

**RADARSAT**

GS CANADIAN SPACECRAFT  
 . RADARSAT  
 RT CANADIAN SPACE PROGRAM  
 SYNTHETIC APERTURE RADAR

**RADARSCOPES**

UF RADAR DISPLAYS  
 GS DISPLAY DEVICES  
 . RADARSCOPES  
 . . PLAN POSITION INDICATORS  
 RADAR EQUIPMENT  
 . RADARSCOPES  
 . . PLAN POSITION INDICATORS  
 RT AIRCRAFT GUIDANCE  
 INDICATING INSTRUMENTS  
 MICROWAVE IMAGERY  
 MICROWAVE PHOTOGRAPHY  
 RADAR APPROACH CONTROL  
 RADAR DETECTION  
 RADAR NAVIGATION  
 RADAR PHOTOGRAPHY  
 SURVEILLANCE RADAR

**RADIAL DISTRIBUTION**

GS DISTRIBUTION (PROPERTY)  
 . RADIAL DISTRIBUTION  
 RT RAYLEIGH DISTRIBUTION  
 STAR DISTRIBUTION  
 WIND PROFILES

**RADIAL DRAINAGE PATTERNS**

USE DRAINAGE PATTERNS

**RADIAL FLOW**

GS FLUID FLOW  
 . RADIAL FLOW  
 RT AXIAL FLOW  
 CENTRIFUGAL COMPRESSORS  
 DIFFUSION  
 FLOW GEOMETRY  
 GAS FLOW  
 HEAT TRANSMISSION  
 TWO DIMENSIONAL FLOW

**RADIAL VELOCITY**

GS RATES (PER TIME)  
 . RADIAL VELOCITY  
 VELOCITY  
 . RADIAL VELOCITY  
 RT ASTRONOMICAL SPECTROSCOPY  
 DOPPLER EFFECT  
 RADAR TARGETS  
 RED SHIFT  
 VELOCITY MEASUREMENT

**RADIANCE**

SN (DIRECTIONAL EMISSION RATE PER  
 UNIT AREA OF RADIATION)  
 GS ELECTROMAGNETIC PROPERTIES  
 . OPTICAL PROPERTIES  
 . . RADIANCE  
 RATES (PER TIME)  
 . FLUX DENSITY  
 . . RADIANT FLUX DENSITY  
 . . . RADIANCE  
 RT BLACK BODY RADIATION  
 BRIGHTNESS  
 EMISSIVITY  
 EMITTANCE  
 GLARE  
 INCANDESCENCE  
 ∞ INTENSITY  
 IRRADIANCE  
 LUMENS  
 LUMINOSITY  
 NEUTRON FLUX DENSITY  
 SOLAR FLUX DENSITY  
 TRANSMISSOMETERS  
 VISIBILITY

**RADIANCY**

SN (EMISSION RATE PER UNIT AREA OF  
 RADIATION)  
 GS RATES (PER TIME)  
 . FLUX DENSITY  
 . . RADIANT FLUX DENSITY  
 . . . RADIANCY  
 RT ELECTRON FLUX DENSITY

**RADIANCY-(CONT.)**

ILLUMINANCE  
 LUMINOUS INTENSITY  
 NEUTRON FLUX DENSITY  
 PARTICLE FLUX DENSITY  
 PROTON FLUX DENSITY  
 SOLAR FLUX DENSITY

**RADIANT COOLING**

GS COOLING  
 . RADIANT COOLING  
 RT RADIATIVE HEAT TRANSFER  
 SURFACE COOLING

**RADIANT ENERGY**

USE RADIATION

**RADIANT FLUX DENSITY**

SN (DYNES/CM-SEC AS DISTINGUISHED  
 FROM RADIATION  
 PRESSURE--DYNES/SQ CM)  
 UF POWER DENSITY (ELECTROMAGNETIC)  
 RADIANT INTENSITY  
 RADIATION INTENSITY  
 RATES (PER TIME)  
 GS . FLUX DENSITY  
 . . RADIANT FLUX DENSITY  
 . . . IRRADIANCE  
 . . . ILLUMINANCE  
 . . . SOLAR CONSTANT  
 . . . LUMENS  
 . . . LUMINOUS INTENSITY  
 . . . ILLUMINANCE  
 . . . LUMINANCE  
 . . . PARTICLE FLUX DENSITY  
 . . . ELECTRON FLUX DENSITY  
 . . . NEUTRON FLUX DENSITY  
 . . . PROTON FLUX DENSITY  
 . . . RADIANCE  
 . . . RADIANCY  
 . . . SOLAR FLUX DENSITY  
 . . . SOLAR CONSTANT  
 RT BL LACERTAE OBJECTS  
 BRIGHTNESS  
 BRIGHTNESS DISTRIBUTION  
 DOSIMETERS  
 EMISSIVITY  
 EMITTANCE  
 FAR FIELDS  
 FLUX (RATE)  
 GAMMA RAY BURSTS  
 LASER OUTPUTS  
 LUMINOSITY  
 MASER OUTPUTS  
 MASS TO LIGHT RATIOS  
 POST-BLAST NUCLEAR RADIATION  
 ∞ RADIATION  
 RADIATION COUNTERS  
 RADIATION PRESSURE  
 RADIO SPECTRA  
 SCATTERING FUNCTIONS  
 SOLAR REFLECTORS  
 SOUND INTENSITY  
 VIEW EFFECTS

**RADIANT HEATING**

UF RADIATION HEATING  
 GS HEATING  
 . RADIANT HEATING  
 RT ∞ ENERGY  
 GAS HEATING  
 ∞ RADIATION  
 RADIATIVE HEAT TRANSFER  
 RADIATIVE TRANSFER  
 SOLAR HEATING

**RADIANT INTENSITY**

USE RADIANT FLUX DENSITY

**∞ RADIATION**

SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)  
 UF RADIANT ENERGY  
 RADIATION EMISSION  
 RT ALPHA PARTICLES  
 ANTENNA RADIATION PATTERNS  
 ARTIFICIAL RADIATION BELTS  
 ATMOSPHERIC RADIATION  
 BACKGROUND NOISE  
 BACKGROUND RADIATION  
 BASE HEATING  
 BEAMS (RADIATION)  
 BLACK BODY RADIATION  
 CERENKOV RADIATION

**RADIATION-(CONT.)**

CIRCUMSOLAR RADIATION  
 COHERENT ACOUSTIC RADIATION  
 COHERENT ELECTROMAGNETIC  
 RADIATION  
 COHERENT RADIATION  
 CONTINUOUS RADIATION  
 CORPUSCULAR RADIATION  
 COSMIC RAYS  
 CYCLOTRON RADIATION  
 DIFFUSE RADIATION  
 EARTH RADIATION BUDGET  
 EXPERIMENT  
 ELASTIC WAVES  
 ELECTROMAGNETIC NOISE  
 ELECTROMAGNETIC RADIATION  
 ELECTRON RADIATION  
 EMISSION  
 EXTRATERRESTRIAL RADIATION  
 EXTREME ULTRAVIOLET RADIATION  
 FALLOUT  
 FAR INFRARED RADIATION  
 FAR ULTRAVIOLET RADIATION  
 FLUX (RATE)  
 FLUX DENSITY  
 GALACTIC RADIATION  
 GAMMA RAYS  
 GEOPHYSICS  
 GRAVITATIONAL WAVES  
 HARMONIC RADIATION  
 HEATING  
 INCIDENT RADIATION  
 INFRARED RADIATION  
 INNER RADIATION BELT  
 INTERSTELLAR RADIATION  
 ION CYCLOTRON RADIATION  
 IONIZING RADIATION  
 IRRADIATION  
 KIRCHHOFF LAW OF RADIATION  
 LIGHT (VISIBLE RADIATION)  
 LONG WAVE RADIATION  
 LONGITUDINAL WAVES  
 LUNAR RADIATION  
 LYMAN ALPHA RADIATION  
 LYMAN BETA RADIATION  
 MICROWAVES  
 MODULATED CONTINUOUS RADIATION  
 MONOCHROMATIC RADIATION  
 NEAR INFRARED RADIATION  
 NEAR ULTRAVIOLET RADIATION  
 NONTHERMAL RADIATION  
 NUCLEAR MEDICINE  
 NUCLEAR RADIATION  
 NUCLEON POTENTIAL  
 OUTER RADIATION BELT  
 PHOTONS  
 PLANE WAVES  
 PLANETARY RADIATION  
 PLASMA RADIATION  
 POLARIZED ELECTROMAGNETIC  
 RADIATION  
 POLARIZED RADIATION  
 POST-BLAST NUCLEAR RADIATION  
 PULSED RADIATION  
 QUANTUM THEORY  
 RADIANT FLUX DENSITY  
 RADIANT HEATING  
 RADIATION ABSORPTION  
 RADIATION BELTS  
 RADIATION CHEMISTRY  
 RADIATION COUNTERS  
 RADIATION DAMAGE  
 RADIATION DETECTORS  
 RADIATION DISTRIBUTION  
 RADIATION DOSAGE  
 RADIATION EFFECTS  
 RADIATION HARDENING  
 RADIATION HAZARDS  
 RADIATION INJURIES  
 RADIATION LAWS  
 RADIATION MEASUREMENT  
 RADIATION MEASURING INSTRUMENTS  
 RADIATION METEOROID SPACECRAFT  
 RADIATION PRESSURE  
 RADIATION PROTECTION  
 RADIATION PYROMETERS  
 RADIATION SHIELDING  
 RADIATION SICKNESS  
 RADIATION SOURCES  
 RADIATION SPECTRA  
 RADIATION THERAPY  
 RADIATION TOLERANCE  
 RADIATION TRANSPORT  
 RADIATION TRAPPING  
 RADIATIVE TRANSFER  
 RADIOACTIVITY

## RADIATION ABSORPTION

### RADIATION-(CONT.)

RADIOLOGY  
REFLECTED WAVES  
RELIC RADIATION  
RESONANCE FLUORESCENCE  
SELF ABSORPTION  
SHORT WAVE RADIATION  
SILICON RADIATION DETECTORS  
SKY RADIATION  
SOLAR CORPUSCULAR RADIATION  
SOLAR RADIATION  
SOLAR RADIATION SHIELDING  
SOLAR RADIATION 1 SATELLITE  
SOLAR RADIATION 3 SATELLITE  
SOLAR WIND  
SOUND WAVES  
SPECTRAL EMISSION  
STANDING WAVES  
STELLAR RADIATION  
STOKES LAW OF RADIATION  
STRATOSPHERE RADIATION  
SYNCHROTRON RADIATION  
TEMPERATURE EFFECTS  
TERRESTRIAL RADIATION  
THERMAL RADIATION  
TRAP PROGRAM  
TROPOSPHERIC RADIATION  
ULTRASONIC RADIATION  
ULTRAVIOLET RADIATION  
VOLTERRA EQUATIONS  
X RAY SOURCES

### RADIATION ABSORPTION

GS ENERGY ABSORPTION  
    . RADIATION ABSORPTION  
    . ELECTROMAGNETIC ABSORPTION  
    . . . . AURORAL ABSORPTION  
    . . . . GAMMA RAY ABSORPTION  
    . . . . INFRARED ABSORPTION  
    . . . . MULTIPHOTON ABSORPTION  
    . . . . PHOTOABSORPTION  
    . . . . POLAR CAP ABSORPTION  
    . . . . ULTRAVIOLET ABSORPTION  
    . . . . X RAY ABSORPTION  
    . . . . MOLECULAR ABSORPTION  
    . . . . SELF ABSORPTION  
RT  $\infty$  ABSORPTION  
    . ABSORPTION CROSS SECTIONS  
    . ATMOSPHERIC ATTENUATION  
    . GAMMA RAY ABSORPTIOMETRY  
    . GOLAY DETECTOR CELLS  
    . GRAY GAS  
    . INTERSTELLAR EXTINCTION  
    . MATERIAL ABSORPTION  
    . NEUTRON ABSORBERS  
    . NUCLEAR REACTIONS  
    . PHOTON ABSORPTIOMETRY  
     $\infty$  RADIATION  
    . RADIATION CHEMISTRY  
    . STOPPING POWER

### RADIATION AND METEOROID SATELLITE

GS ARTIFICIAL SATELLITES  
    . GEOPHYSICAL SATELLITES  
    . . RADIATION AND METEOROID SATELLITE

### RADIATION BELTS

UF GEOMAGNETICALLY TRAPPED PARTICLES  
GS VAN ALLEN RADIATION BELTS  
PARTICLES  
    . CHARGED PARTICLES  
    . . . . MAGNETICALLY TRAPPED PARTICLES  
    . . . . RADIATION BELTS  
    . . . . . ARTIFICIAL RADIATION BELTS  
    . . . . . INNER RADIATION BELT  
    . . . . . OUTER RADIATION BELT  
    . . . . . PROTON BELTS  
    . . . . . CORPUSCULAR RADIATION  
    . . . . . RADIATION BELTS  
    . . . . . TRAPPED PARTICLES  
    . . . . . MAGNETICALLY TRAPPED PARTICLES  
    . . . . . RADIATION BELTS  
    . . . . . . . . ARTIFICIAL RADIATION BELTS  
    . . . . . . . . INNER RADIATION BELT  
    . . . . . . . . OUTER RADIATION BELT  
    . . . . . . . . PROTON BELTS  
RT AEROSPACE ENVIRONMENTS  
 $\infty$  BELTS  
    . COSMIC RAYS  
    . EARTH ATMOSPHERE  
    . EARTH MAGNETOSPHERE  
    . ELECTRON DENSITY (CONCENTRATION)  
    . ELECTRON PRECIPITATION

### RADIATION BELTS-(CONT.)

ELECTRON TRAJECTORIES  
ELECTRONS  
ELEMENTARY PARTICLES  
ENTRAPMENT  
EXOSPHERE  
EXTRATERRESTRIAL RADIATION  
IONIZING RADIATION  
IONOSPHERIC DRIFT  
MAGNETIC FIELDS  
MIRROR POINT  
PLASMAS (PHYSICS)  
PROTON PRECIPITATION  
PROTONS  
 $\infty$  RADIATION  
    . SOLAR RADIATION  
    . TRAPPING  
    . UPPER ATMOSPHERE

### RADIATION CHEMISTRY

GS RADIATION CHEMISTRY  
    . PHOTODECOMPOSITION  
    . PHOTODISSOCIATION  
    . PHOTOLYSIS  
    . RADIOLYSIS  
RT  $\infty$  CHEMISTRY  
    . ELECTROMAGNETIC RADIATION  
 $\infty$  RADIATION  
    . RADIATION ABSORPTION

### RADIATION COUNTERS

UF IONIZATION COUNTERS  
PARTICLE COUNTERS  
PARTICLE DETECTORS  
GS MEASURING INSTRUMENTS  
COUNTERS  
    . . RADIATION COUNTERS  
    . . . . CERENKOV COUNTERS  
    . . . . ELECTRON COUNTERS  
    . . . . GEIGER COUNTERS  
    . . . . NEUTRON COUNTERS  
    . . . . . NEUTRON SPECTROMETERS  
    . . . . . PARTICLE TELESCOPES  
    . . . . . PROPORTIONAL COUNTERS  
    . . . . . QUANTUM COUNTERS  
    . . . . . SCINTILLATION COUNTERS  
    . . . . . SPARK CHAMBERS  
    . RADIATION MEASURING INSTRUMENTS  
    . . RADIATION COUNTERS  
    . . . . CERENKOV COUNTERS  
    . . . . ELECTRON COUNTERS  
    . . . . GEIGER COUNTERS  
    . . . . NEUTRON COUNTERS  
    . . . . . NEUTRON SPECTROMETERS  
    . . . . . PARTICLE TELESCOPES  
    . . . . . PROPORTIONAL COUNTERS  
    . . . . . QUANTUM COUNTERS  
    . . . . . SCINTILLATION COUNTERS  
    . . . . . SPARK CHAMBERS  
RT BUBBLE CHAMBERS  
CHANNEL MULTIPLIERS  
CLOUD CHAMBERS  
COINCIDENCE CIRCUITS  
DOSIMETERS  
ELECTROSTATIC PROBES  
FLUENCE  
GAS DISCHARGE TUBES  
HODOSCOPES  
ION TRAPS (INSTRUMENTATION)  
IONIZATION CHAMBERS  
IONIZING RADIATION  
NUCLEAR EMULSIONS  
PARTICLE FLUX DENSITY  
PROTON FLUX DENSITY  
RADIANT FLUX DENSITY  
 $\infty$  RADIATION  
    . SPECTROMETERS

### RADIATION DAMAGE

GS DAMAGE  
    . RADIATION DAMAGE  
    . . . . LASER DAMAGE  
    . . . . RADIATION EFFECTS  
    . . . . RADIATION DAMAGE  
RT . . . . LASER DAMAGE  
 $\infty$  RADIATION  
    . SINGLE EVENT UPSETS

### RADIATION DETECTORS

GS MEASURING INSTRUMENTS  
    . RADIATION MEASURING INSTRUMENTS  
    . . RADIATION DETECTORS  
    . . . . DOSIMETERS

### RADIATION DETECTORS-(CONT.)

    . . . . THRESHOLD DETECTORS (DOSIMETERS)  
    . . . . GOLAY DETECTOR CELLS  
    . . . . SILICON RADIATION DETECTORS  
RT  $\infty$  DETECTORS  
    . GEIGER COUNTERS  
    . HEALTH PHYSICS  
    . MULTI-ANODE MICROCHANNEL ARRAYS  
 $\infty$  RADIATION  
    . SATELLITE-BORNE INSTRUMENTS  
    . VELA SATELLITES

### RADIATION DISTRIBUTION

UF RADIATION FIELDS  
GS DISTRIBUTION (PROPERTY)  
    . RADIATION DISTRIBUTION  
    . . . . ANTENNA RADIATION PATTERNS  
    . . . . . SIDELOBES  
    . . . . . DIFFRACTION PATTERNS  
    . . . . . KOSSEL PATTERN  
    . . . . . RAINBOWS  
RT CORPUSCULAR RADIATION  
ELASTIC WAVES  
ELECTROMAGNETIC RADIATION  
FIELD THEORY (PHYSICS)  
FLUX DENSITY  
NULL ZONES  
 $\infty$  PATTERNS  
 $\infty$  RADIATION  
    . VERTICAL DISTRIBUTION  
    . WAVE DISPERSION

### RADIATION DOSAGE

UF RADIATION EXPOSURE  
GS DOSAGE  
    . RADIATION DOSAGE  
RT BIOLOGICAL EFFECTS  
DOSIMETERS  
EXPOSURE  
HEALTH PHYSICS  
IRRADIATION  
 $\infty$  RADIATION  
    . SINGLE EVENT UPSETS

### RADIATION EFFECTS

GS RADIATION EFFECTS  
    . RADIATION DAMAGE  
    . . . . LASER DAMAGE  
    . . . . RADIATION INJURIES  
    . . . . RADIOLYSIS  
    . . . . SINGLE EVENT UPSETS  
RT BIOLOGICAL EFFECTS  
BLACKOUT (PROPAGATION)  
BRAGG CURVE  
DAMAGE  
DOSIMETERS  
 $\infty$  EFFECTS  
ELECTRON RADIATION  
FALLOUT  
GAMMA RAYS  
HEALTH PHYSICS  
HEMATOPOIESIS  
IRRADIATION  
MECHANICAL PROPERTIES  
NEUTRONS  
NUCLEAR EXPLOSION EFFECT  
NUCLEAR RADIATION  
NUCLEAR VULNERABILITY  
PARTICLE TRACKS  
PHYSIOLOGICAL EFFECTS  
POST-BLAST NUCLEAR RADIATION  
POYNTING-ROBERTSON EFFECT  
PRESERVING  
 $\infty$  RADIATION  
    . RADIOACTIVE CONTAMINANTS  
    . SPACE BASED RADAR  
    . STERILIZATION EFFECTS

### RADIATION EMISSION

USE RADIATION

### RADIATION EXPOSURE

USE RADIATION DOSAGE

### RADIATION FIELDS

USE RADIATION DISTRIBUTION

### RADIATION HARDENING

RT ANTENNAS  
ELECTRONIC EQUIPMENT  
 $\infty$  RADIATION

### RADIATION HAZARDS

GS HAZARDS

## RADIATION SPECTRA

### RADIATION HAZARDS-(CONT.)

RT RADIATION HAZARDS  
DERMATITIS  
DOSIMETERS  
ELECTROMAGNETIC RADIATION  
FALLOUT  
FLUX DENSITY  
HEALTH PHYSICS  
IONIZING RADIATION  
LASER DAMAGE  
MUTATIONS  
NUCLEAR EXPLOSION EFFECT  
NUCLEAR EXPLOSIONS  
NUCLEAR RADIATION  
OCCUPATIONAL DISEASES  
OPERATIONAL HAZARDS  
∞ RADIATION  
RADIOACTIVE CONTAMINANTS  
RADIOACTIVE MATERIALS  
RADIOACTIVE WASTES  
RADIOACTIVITY  
REACTOR SAFETY

### RADIATION HEATING

USE RADIANT HEATING

### RADIATION INJURIES

GS INJURIES  
RADIATION INJURIES  
RADIATION EFFECTS  
RADIATION INJURIES  
RT BURNS (INJURIES)  
HEALTH PHYSICS  
∞ RADIATION

### RADIATION INTENSITY

USE RADIANT FLUX DENSITY

### RADIATION LAWS

GS LAWS  
RADIATION LAWS  
KIRCHHOFF LAW OF RADIATION  
STEFAN-BOLTZMANN LAW  
STOKES LAW OF RADIATION  
RT ELECTROMAGNETIC RADIATION  
QUANTUM THEORY  
∞ RADIATION

### RADIATION MEASUREMENT

RT DOSAGE  
DOSIMETERS  
IRRADIATION  
∞ MEASUREMENT  
∞ RADIATION  
SENSITOMETRY

### RADIATION MEASURING INSTRUMENTS

UF PHOTOELECTROMAGNETIC DETECTORS  
PHOTOSENSORS  
RADIATION METERS  
GS MEASURING INSTRUMENTS  
RADIATION MEASURING INSTRUMENTS  
ACTINOMETERS  
INFRARED SPECTROMETERS  
PYRANOMETERS  
RADIOMETERS  
DICKE RADIOMETERS  
INFRARED DETECTORS  
INFRARED SCANNERS  
MICROWAVE RADIOMETERS  
PASSIVE L-BAND RADIOMETERS  
PRESSURE MODULATOR RADIOMETERS  
SPECTRORADIOMETERS  
SOLAR SPECTROMETERS  
SPECTROHELIOGRAPHS  
SPECTROPHOTOMETERS  
INFRARED SPECTROPHOTOMETERS  
ULTRAVIOLET SPECTROPHOTOMETERS  
ULTRAVIOLET DETECTORS  
ULTRAVIOLET SPECTROMETERS  
ULTRAVIOLET SPECTROPHOTOMETERS  
BOLOMETERS  
EBERT SPECTROMETERS  
ELECTROSTATIC PROBES  
FABRY-PEROT SPECTROMETERS  
HODOSCOPES  
INFRARED INSTRUMENTS  
INFRARED DETECTORS  
FLIR DETECTORS  
INFRARED SCANNERS

### RADIATION MEASURING INSTRUMENTS-(CONT.)

INFRARED SPECTROMETERS  
INFRARED SPECTROPHOTOMETERS  
PHOTOMETERS  
ELECTROPHOTOMETERS  
ULTRAVIOLET SPECTROMETERS  
ULTRAVIOLET SPECTROPHOTOMETERS  
RADIATION COUNTERS  
CERENKOV COUNTERS  
ELECTRON COUNTERS  
GEIGER COUNTERS  
NEUTRON COUNTERS  
NEUTRON SPECTROMETERS  
PARTICLE TELESCOPES  
PROPORTIONAL COUNTERS  
QUANTUM COUNTERS  
SCINTILLATION COUNTERS  
SPARK CHAMBERS  
RADIATION DETECTORS  
DOSIMETERS  
THRESHOLD DETECTORS (DOSIMETERS)  
GOLAY DETECTOR CELLS  
SILICON RADIATION DETECTORS  
RIOMETERS  
RT ∞ DETECTORS  
EARTH RADIATION BUDGET  
EXPERIMENT  
HEALTH PHYSICS  
IONIZATION CHAMBERS  
MONITORS  
NUCLEAR EMULSIONS  
OPTICAL MEASURING INSTRUMENTS  
∞ SAFETY DEVICES  
SOLAR INSTRUMENTS  
VELA SATELLITES  
VIEW EFFECTS

### RADIATION MEDICINE

USE NUCLEAR MEDICINE

### RADIATION METEOROID SPACECRAFT

RT METEOROID  
∞ RADIATION  
∞ SPACECRAFT  
SPACECRAFT CONFIGURATIONS

### RADIATION METERS

USE RADIATION MEASURING INSTRUMENTS

### RADIATION NOISE

USE ELECTROMAGNETIC NOISE

### RADIATION PRESSURE

SN (DYNES/SQ CM AS DISTINGUISHED FROM RADIANT FLUX DENSITY--DYNES/CM-SEC)  
GS PRESSURE  
RADIATION PRESSURE  
ELECTRON PRESSURE  
LUMENS  
LUMINOUS INTENSITY  
ILLUMINANCE  
LUMINANCE  
SOUND PRESSURE  
RT BAROCLINIC WAVES  
BESSEL-BREDICHIN THEORY  
COMET TAILS  
CORPUSCULAR RADIATION  
ELASTIC WAVES  
ELECTROMAGNETIC RADIATION  
KOHOUTEK COMET  
PARTICLE FLUX DENSITY  
PERTURBATION  
PHOTOPHORESIS  
RADIANT FLUX DENSITY  
∞ RADIATION  
SOLAR FLUX DENSITY  
SOLAR RADIATION  
SOLAR WIND  
STELLAR WINDS

### RADIATION PROTECTION

GS PROTECTION  
RADIATION PROTECTION  
RADIATION SHIELDING  
SOLAR RADIATION SHIELDING  
RT ANTIRADIATION DRUGS  
CYSTEAMINE  
HEALTH PHYSICS  
∞ RADIATION  
SYNCHROTRON RADIATION  
THERMAL PROTECTION

### RADIATION PROTECTION-(CONT.)

VISORS

### RADIATION PYROMETERS

GS MEASURING INSTRUMENTS  
TEMPERATURE MEASURING INSTRUMENTS  
PYROMETERS  
RADIATION PYROMETERS  
RT BOLOMETERS  
CIRCUMSOLAR TELESCOPES  
OPTICAL PYROMETERS  
∞ RADIATION  
TEMPERATURE MEASUREMENT  
THERMOCOUPLE PYROMETERS

### RADIATION RESISTANCE

USE RADIATION TOLERANCE

### RADIATION SHIELDING

UF NUCLEAR SHIELDING  
GS PROTECTION  
RADIATION PROTECTION  
RADIATION SHIELDING  
SOLAR RADIATION SHIELDING  
SHIELDING  
RADIATION SHIELDING  
SOLAR RADIATION SHIELDING  
RT ABSORBERS (MATERIALS)  
ATTENUATORS  
BORAL  
ELECTROMAGNETIC ABSORPTION  
ELECTROMAGNETIC SHIELDING  
GAMMA RAYS  
∞ INSULATED STRUCTURES  
MAGNETIC SHIELDING  
NEUTRON ABSORBERS  
NEUTRON FLUX DENSITY  
NEUTRONS  
NUCLEAR REACTORS  
PROTONS  
∞ RADIATION  
RADIO FREQUENCY SHIELDING  
REACTOR MATERIALS  
REFLECTORS  
SAFETY DEVICES  
SPACE BASED RADAR  
SPACECRAFT SHIELDING  
STOPPING POWER  
TOWER SHIELDING REACTOR 2

### RADIATION SICKNESS

GS DISEASES  
RADIATION SICKNESS  
RT ANTIRADIATION DRUGS  
DERMATITIS  
HEALTH PHYSICS  
∞ RADIATION  
RADIOPATHOLOGY

### RADIATION SOURCES

UF COHERENT SOURCES  
GS RADIATION SOURCES  
MONOCHROMATORS  
NEUTRON SOURCES  
POINT SOURCES  
RT CORPUSCULAR RADIATION  
DUOCHROMATORS  
ELECTROMAGNETIC RADIATION  
ELECTRON SOURCES  
EXTRAGALACTIC RADIO SOURCES  
∞ GENERATORS  
HEAT SOURCES  
INTERSTELLAR MASERS  
ION SOURCES  
LIGHT SOURCES  
PULSARS  
∞ RADIATION  
RADIO SOURCES (ASTRONOMY)  
RADIOACTIVE MATERIALS  
SOUND GENERATORS  
∞ SOURCES  
X RAY STARS

### RADIATION SPECTRA

GS SPECTRA  
RADIATION SPECTRA  
ABSORPTION SPECTRA  
FRAUNHOFER LINES  
HERZBERG BANDS  
TELLURIC LINES  
ELECTROMAGNETIC SPECTRA  
GAMMA RAY SPECTRA  
INFRARED SPECTRA  
LINE SPECTRA



## RADIATION THERAPY

### RADIATION SPECTRA-(CONT.)

... BALMER SERIES  
... D LINES  
... ELECTRONIC SPECTRA  
... FRAUNHOFER LINES  
... H LINES  
... H ALPHA LINE  
... H BETA LINE  
... H GAMMA LINE  
... K LINES  
... LYMAN SPECTRA  
... PASCHEN SERIES  
... RYDBERG SERIES  
... TELLURIC LINES  
... RADIO SPECTRA  
... MICROWAVE SPECTRA  
... RAMAN SPECTRA  
... STELLAR SPECTRA  
... SOLAR SPECTRA  
... UVB SPECTRA  
... ULTRAVIOLET SPECTRA  
... VIBRATIONAL SPECTRA  
... VISIBLE SPECTRUM  
... X RAY SPECTRA  
... EMISSION SPECTRA  
RT ASTRONOMICAL SPECTROSCOPY  
COSMIC BACKGROUND EXPLORER  
SATELLITE  
ENERGY SPECTRA  
MASS SPECTRA  
NOISE SPECTRA  
PLASMA SPECTRA  
∞ RADIATION

### RADIATION THERAPY

UF RADIOTHERAPY  
GS THERAPY  
... RADIATION THERAPY  
RT CANCER  
MEDICAL SCIENCE  
PATHOLOGY  
∞ RADIATION

### RADIATION TOLERANCE

UF RADIATION RESISTANCE  
RADIOSENSITIVITY  
SENSITIVITY  
GS ... RADIATION TOLERANCE  
TOLERANCES (PHYSIOLOGY)  
... RADIATION TOLERANCE  
RT HUMAN TOLERANCES  
IRRADIATION  
∞ RADIATION  
∞ RESISTANCE  
TOLERANCES (MECHANICS)

### RADIATION TRANSPORT

RT EXPLODING WIRES  
∞ RADIATION  
RADIATIVE TRANSFER  
TRANSPORT PROPERTIES

### RADIATION TRAPPING

RT ARGON  
EARTH MAGNETOSPHERE  
EXCITATION  
METASTABLE STATE  
PLASMA PHYSICS  
∞ RADIATION

### RADIATIVE HEAT TRANSFER

GS RADIATIVE TRANSFER  
... RADIATIVE HEAT TRANSFER  
TRANSMISSION  
... HEAT TRANSMISSION  
... HEAT TRANSFER  
... RADIATIVE HEAT TRANSFER  
RT CONCENTRATORS  
CONVECTIVE HEAT TRANSFER  
COOLING FINS  
HEAT RADIATORS  
INFRARED REFLECTION  
NEAR INFRARED RADIATION  
RADIANT COOLING  
RADIANT HEATING  
SATELLITE TEMPERATURE  
SPACECRAFT RADIATORS  
STEFAN-BOLTZMANN LAW  
SURFACE COOLING  
THERMOHYDRAULICS  
TROMBE WALLS  
VIEW EFFECTS

### RADIATIVE LIFETIME

RT DECAY

### RADIATIVE LIFETIME-(CONT.)

HALF LIFE

### RADIATIVE RECOMBINATION

GS RECOMBINATION REACTIONS  
... ELECTRON RECOMBINATION  
... RADIATIVE RECOMBINATION  
... ELECTRON-ION RECOMBINATION  
... RADIATIVE RECOMBINATION  
RT AIRGLOW  
ATOMIC RECOMBINATION  
CARRIER INJECTION  
DEIONIZATION  
LIGHTNING

### RADIATIVE TRANSFER

GS RADIATIVE TRANSFER  
... RADIATIVE HEAT TRANSFER  
RT ATMOSPHERIC CORRECTION  
COSMIC RAYS  
ELECTROMAGNETIC RADIATION  
ENERGY TRANSFER  
EXTRATERRESTRIAL RADIATION  
GALACTIC RADIATION  
HEAT TRANSFER  
HEAT TRANSMISSION  
INTERSTELLAR RADIATION  
NEAR INFRARED RADIATION  
PLANETARY ATMOSPHERES  
POLARIZED ELECTROMAGNETIC  
RADIATION  
RADIANT HEATING  
∞ RADIATION  
RADIATION TRANSPORT  
RADIO BURSTS  
RADIO STARS  
SOLAR RADIATION  
STELLAR ATMOSPHERES  
STELLAR RADIATION

### ∞ RADIATORS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT ANTENNAS  
HEAT RADIATORS  
SOUND TRANSDUCERS  
THERMOSIPHONS

### RADICALS

GS RADICALS  
... AMINO RADICAL  
... FORMYL IONS  
... FREE RADICALS  
... HYDROXYL RADICALS  
... VANADYL RADICAL  
... VINYL RADICAL  
RT ∞ ROOTS

### RADII

UF RADIUS  
GS DIMENSIONS  
... RADII  
... LARMOR RADIUS  
GEOMETRY  
... EUCLIDEAN GEOMETRY  
... RADII  
... LARMOR RADIUS  
RT CIRCLES (GEOMETRY)  
CIRCUMFERENCES  
DIAMETERS  
LINES (GEOMETRY)  
RADIO FREQUENCIES  
SEGMENTS

### RADIO ALTIMETERS

UF RADAR ALTIMETERS  
GS FLIGHT INSTRUMENTS  
... RADIO ALTIMETERS  
MEASURING INSTRUMENTS  
... DISTANCE MEASURING EQUIPMENT  
... ALTIMETERS  
... RADIO ALTIMETERS  
RT AIRCRAFT INSTRUMENTS  
AUTOMATIC PILOTS  
INSTRUMENT LANDING SYSTEMS  
RADAR MEASUREMENT

### RADIO ANTENNAS

GS ANTENNAS  
... RADIO ANTENNAS  
... MICROWAVE ANTENNAS  
... HORN ANTENNAS  
... LENS ANTENNAS  
... SPACETENNAS

### RADIO ANTENNAS-(CONT.)

RADIO EQUIPMENT  
... RADIO ANTENNAS  
... MICROWAVE ANTENNAS  
... HORN ANTENNAS  
... LENS ANTENNAS  
... SPACETENNAS  
RT AIRCRAFT ANTENNAS  
BACKFIRE ANTENNAS  
DIRECTIONAL ANTENNAS  
OMNIDIRECTIONAL ANTENNAS  
RECEPTION DIVERSITY  
REFLECTOR ANTENNAS  
RHOMBIC ANTENNAS  
SATELLITE ANTENNAS  
SCHWARZSCHILD ANTENNAS  
TWO REFLECTOR ANTENNAS  
WHIP ANTENNAS

### RADIO ASSISTED DETECTION AND RANGING USE RADAR

### RADIO ASTRONOMY

GS ASTRONOMY  
... RADIO ASTRONOMY  
RT ASTRONOMICAL OBSERVATORIES  
ASTRONOMICAL SPECTROSCOPY  
BRIGHTNESS DISTRIBUTION  
BRIGHTNESS TEMPERATURE  
CORONAL HOLES  
EXTRAGALACTIC RADIO SOURCES  
EXTRATERRESTRIAL RADIO WAVES  
GAMMA RAY ASTRONOMY  
IUE  
LINEAR POLARIZATION  
MAFFEI GALAXIES  
MICHELSON INTERFEROMETERS  
PHASE SWITCHING INTERFEROMETERS  
PULSARS  
QUASARS  
QUASAT  
RADAR ASTRONOMY  
RADIO JETS (ASTRONOMY)  
SAS-2  
SAS-3  
∞ SCIENCE  
VERY HIGH FREQUENCY RADIO  
EQUIPMENT  
VERY LARGE ARRAY (VLA)  
VERY LONG BASE INTERFEROMETRY  
VERY LONG BASELINE ARRAY (VLBA)

### RADIO ASTRONOMY EXPLORER B

USE EXPLORER 49 SATELLITE

### RADIO ASTRONOMY EXPLORER SATELLITE

GS ARTIFICIAL SATELLITES  
... SCIENTIFIC SATELLITES  
... EXPLORER SATELLITES  
... RADIO ASTRONOMY EXPLORER  
SATELLITE

### RADIO ASTRONOMY EXPLORER 2

USE EXPLORER 49 SATELLITE

### RADIO ATTENUATION

UF RADIO SIGNAL ATTENUATION  
GS ATTENUATION  
... WAVE ATTENUATION  
... RADIO ATTENUATION  
RT ATMOSPHERIC ATTENUATION  
ELECTROMAGNETIC ABSORPTION  
ELECTROMAGNETIC WAVE  
TRANSMISSION  
GROUND EFFECT (COMMUNICATIONS)  
RADAR ATTENUATION  
SIGNAL TRANSMISSION  
TRANSHORIZON RADIO PROPAGATION  
TRANSMISSION  
WAVE PROPAGATION

### RADIO ATTENUATION MEASUREMENT PROJECT

UF RAM PROJECT  
GS PROGRAMS  
... PROJECTS  
... RADIO ATTENUATION  
MEASUREMENT PROJECT

### RADIO AURORAS

GS ATMOSPHERIC RADIATION  
... AURORAS  
... RADIO AURORAS  
RT ∞ DISTURBANCES  
IONOSPHERICS  
NIGHTGLOW

## RADIO FILTERS

### RADIO AURORAS-(CONT.)

SOLAR ACTIVITY

#### RADIO BEACONS

UF RADIO RANGES  
GS NAVIGATION AIDS  
... BEACONS  
... **RADIO BEACONS**  
... OMNIDIRECTIONAL RADIO RANGES  
... SELF CALIBRATING OMNIRANGE  
RADIO EQUIPMENT  
... RADIO TRANSMITTERS  
... **RADIO BEACONS**  
... OMNIDIRECTIONAL RADIO RANGES  
... SELF CALIBRATING OMNIRANGE  
TRANSMITTERS  
... RADIO TRANSMITTERS  
... **RADIO BEACONS**  
... OMNIDIRECTIONAL RADIO RANGES  
... SELF CALIBRATING OMNIRANGE  
RT AIRPORT BEACONS  
BEACON COLLISION AVOIDANCE  
SYSTEM  
HOMING DEVICES  
INSTRUMENT LANDING SYSTEMS  
LANDING AIDS  
∞ MARKERS  
NIGHT FLIGHTS (AIRCRAFT)  
ORBIS  
ORBIS CAL SATELLITE  
RANGES (FACILITIES)  
SOLAR COMPASSES

#### RADIO BROADCASTING

USE BROADCASTING

#### RADIO BURSTS

GS BURSTS  
... **RADIO BURSTS**  
... SOLAR RADIO BURSTS  
... TYPE 2 BURSTS  
... TYPE 3 BURSTS  
... TYPE 4 BURSTS  
... TYPE 5 BURSTS  
ELECTROMAGNETIC RADIATION  
... RADIO WAVES  
... EXTRATERRESTRIAL RADIO WAVES  
... **RADIO BURSTS**  
... SOLAR RADIO BURSTS  
... TYPE 2 BURSTS  
... TYPE 3 BURSTS  
... TYPE 4 BURSTS  
... TYPE 5 BURSTS  
... RADIO EMISSION  
... **RADIO BURSTS**  
... SOLAR RADIO BURSTS  
... TYPE 2 BURSTS  
... TYPE 3 BURSTS  
... TYPE 4 BURSTS  
... TYPE 5 BURSTS  
EMISSION  
... RADIO EMISSION  
... **RADIO BURSTS**  
... SOLAR RADIO BURSTS  
... TYPE 2 BURSTS  
... TYPE 3 BURSTS  
... TYPE 4 BURSTS  
... TYPE 5 BURSTS  
EXTRATERRESTRIAL RADIATION  
... EXTRATERRESTRIAL RADIO WAVES  
... **RADIO BURSTS**  
... SOLAR RADIO BURSTS  
... TYPE 2 BURSTS  
... TYPE 3 BURSTS  
... TYPE 4 BURSTS  
... TYPE 5 BURSTS  
RT ∞ DISTURBANCES  
PULSARS  
QUASARS  
RADIATIVE TRANSFER  
SOLAR RADIO EMISSION  
STELLAR RADIATION

#### RADIO COMMUNICATION

GS TELECOMMUNICATION  
... **RADIO COMMUNICATION**  
... RADIO RELAY SYSTEMS  
... CODE DIVISION MULTIPLE ACCESS  
... TIME DIVISION MULTIPLE ACCESS  
... RADIO TELEGRAPHY  
... RADIO TELEMETRY  
... PULSE FREQUENCY MODULATION  
TELEMETRY  
... TELEPHONY  
RT ACCESS CONTROL

### RADIO COMMUNICATION-(CONT.)

AIRCRAFT COMMUNICATION  
BLACKOUT (PROPAGATION)  
BROADCASTING  
CIRCUMLUNAR COMMUNICATION  
CODE DIVISION MULTIPLEXING  
COMMUNICATION EQUIPMENT  
COMMUNICATION NETWORKS  
FLEET SATELLITE COMMUNICATION  
SYSTEM  
FREQUENCY DIVISION MULTIPLE  
ACCESS  
FREQUENCY DIVISION MULTIPLEXING  
GROUND-AIR-GROUND COMMUNICATION  
INTERPLANETARY COMMUNICATION  
INTERSTELLAR COMMUNICATION  
LAND MOBILE SATELLITE SERVICE  
LUNAR COMMUNICATION  
MARISAT SATELLITES  
MARISAT 1 SATELLITE  
MOBILE COMMUNICATION SYSTEMS  
MSAT  
NASCOM NETWORK  
POINT TO POINT COMMUNICATION  
PROJECT SETI  
PULSE COMMUNICATION  
RADIOTELEPHONES  
REENTRY COMMUNICATION  
SATELLITE COMMUNICATION  
SHIP TO SHORE COMMUNICATION  
SPACE COMMUNICATION  
SPACECRAFT COMMUNICATION  
TELEGRAPH SYSTEMS  
TELEMETRY  
TELEVISION SYSTEMS  
TRANSOCEANIC COMMUNICATION  
UNDERGROUND COMMUNICATION  
VOCODERS  
VOICE COMMUNICATION

#### RADIO CONTROL

GS REMOTE CONTROL  
... **RADIO CONTROL**  
RT AIRCRAFT CONTROL  
AUTOMATIC CONTROL  
∞ CONTROL  
DEEP SPACE INSTRUMENTATION  
FACILITY  
GROUND BASED CONTROL  
MISSILE CONTROL  
SPACECRAFT CONTROL

#### RADIO DIRECTION FINDERS

UF DIRECTION FINDERS (RADIO)  
RADAR DIRECTION FINDERS  
GS DISPLAY DEVICES  
... POSITION INDICATORS  
... **RADIO DIRECTION FINDERS**  
... MEASURING INSTRUMENTS  
... INDICATING INSTRUMENTS  
... POSITION INDICATORS  
... **RADIO DIRECTION FINDERS**  
... NAVIGATION AIDS  
... BEACONS  
... **RADIO DIRECTION FINDERS**  
... NAVIGATION INSTRUMENTS  
... **RADIO DIRECTION FINDERS**  
RT AIRCRAFT EQUIPMENT  
COMPASSES  
DIRECTION FINDING  
FLIGHT INSTRUMENTS  
GYROCOMPASSES  
HOMING  
HOMING DEVICES  
RADIOGONIOMETERS  
VHF OMNIRANGE NAVIGATION

#### RADIO ECHOES

UF RADIO REFLECTION  
GS ECHOES  
... **RADIO ECHOES**  
RT ANGELS (RADAR)  
AURORAL ECHOES  
GHOSTS  
HARVARD RADIO METEOR PROJECT  
INFRARED REFLECTION  
LUNAR ECHOES  
RADAR REFLECTORS  
ULTRAVIOLET REFLECTION

#### RADIO ELECTRONICS

RT ∞ ELECTRONICS

#### RADIO EMISSION

GS ELECTROMAGNETIC RADIATION

### RADIO EMISSION-(CONT.)

RADIO WAVES  
... **RADIO EMISSION**  
... CN EMISSION  
... HYDROXYL EMISSION  
... RADIO BURSTS  
... SOLAR RADIO BURSTS  
... TYPE 2 BURSTS  
... TYPE 3 BURSTS  
... TYPE 4 BURSTS  
... TYPE 5 BURSTS  
... SOLAR RADIO EMISSION  
... SOLAR RADIO BURSTS  
... TYPE 2 BURSTS  
... TYPE 3 BURSTS  
... TYPE 4 BURSTS  
... TYPE 5 BURSTS  
EMISSION  
... **RADIO EMISSION**  
... CN EMISSION  
... HYDROXYL EMISSION  
... RADIO BURSTS  
... SOLAR RADIO BURSTS  
... TYPE 2 BURSTS  
... TYPE 3 BURSTS  
... TYPE 4 BURSTS  
... TYPE 5 BURSTS  
... SOLAR RADIO EMISSION  
... SOLAR RADIO BURSTS  
... TYPE 2 BURSTS  
... TYPE 3 BURSTS  
... TYPE 4 BURSTS  
... TYPE 5 BURSTS  
RT EXTRAGALACTIC RADIO SOURCES  
EXTRATERRESTRIAL RADIO WAVES  
QUASARS  
RADIO JETS (ASTRONOMY)

#### RADIO EQUIPMENT

GS **RADIO EQUIPMENT**  
... RADIO ANTENNAS  
... MICROWAVE ANTENNAS  
... HORN ANTENNAS  
... LENS ANTENNAS  
... SPACETENNAS  
... RADIO FILTERS  
... RADIO RECEIVERS  
... SUPERHETERODYNE RECEIVERS  
... TRANSMITTER RECEIVERS  
... WHISTLER RECORDERS  
... RADIO TELESCOPES  
... KILOMETER WAVE ORBITING  
TELESCOPE  
... VERY LARGE ARRAY (VLA)  
... VERY LONG BASELINE ARRAY (VLBA)  
... RADIO TRANSMITTERS  
... RADIO BEACONS  
... OMNIDIRECTIONAL RADIO RANGES  
... SELF CALIBRATING OMNIRANGE  
... RADIOMETEOROLOGRAPHY  
... RADIOSONDES  
... ENDORADIOSONDES  
... IONOSONDES  
... RAWINSONDES  
... RADIOTELEPHONES  
... SONOBUOYS  
... TRANSMITTER RECEIVERS  
... RECEPTION DIVERSITY  
... SPACECRAFT ANTENNAS  
... TRANSPONDERS  
... VERY HIGH FREQUENCY RADIO  
EQUIPMENT  
RT AIRBORNE EQUIPMENT  
ANTENNAS  
BROADCASTING  
COMMUNICATION EQUIPMENT  
CRYSTAL FILTERS  
CYLINDRICAL ANTENNAS  
JAMMERS  
NEAR FIELDS  
ONBOARD EQUIPMENT  
RADAR EQUIPMENT

#### RADIO FILTERS

GS ELECTROMAGNETIC WAVE FILTERS  
... ELECTRIC FILTERS  
... **RADIO FILTERS**  
... RADIO EQUIPMENT  
... **RADIO FILTERS**  
RT CRYSTAL FILTERS  
∞ FILTERS  
INTERFERENCE GRATING  
MICROWAVE FILTERS  
RADAR FILTERS

## RADIO FREQUENCIES

### RADIO FREQUENCIES

- GS
  - FREQUENCIES
    - RADIO FREQUENCIES**
      - .. EXTREMELY LOW RADIO FREQUENCIES
      - .. HIGH FREQUENCIES
      - .. LOW FREQUENCIES
      - .. VERY LOW FREQUENCIES
      - .. LOW FREQUENCY BANDS
      - .. VERY LOW FREQUENCIES
      - .. MICROWAVE FREQUENCIES
      - .. C BAND
      - .. EXTREMELY HIGH FREQUENCIES
      - .. P BAND
      - .. SUPERHIGH FREQUENCIES
      - .. ULTRAHIGH FREQUENCIES
      - .. P BAND
      - .. VERY HIGH FREQUENCIES
      - .. P BAND
- RT
  - AUDIO FREQUENCIES
  - CARRIER FREQUENCIES
  - EXTREMELY LOW FREQUENCIES
  - INTERMEDIATE FREQUENCIES
  - RADIO

### RADIO FREQUENCY DISCHARGE

- GS
  - ELECTRIC CURRENT
  - ELECTRIC DISCHARGES
  - RADIO FREQUENCY DISCHARGE**
- RT
  - ELECTRODELESS DISCHARGES
  - ELECTRON EMISSION
  - RING DISCHARGE

### RADIO FREQUENCY HEATING

- GS
  - HEATING
  - RADIO FREQUENCY HEATING**
- RT
  - INDUCTION HEATING
  - PLASMA HEATING

### RADIO FREQUENCY IMPEDANCE PROBES

- GS
  - MEASURING INSTRUMENTS
  - IMPEDANCE PROBES
  - RADIO FREQUENCY IMPEDANCE PROBES**
- RT
  - IMPEDANCE MEASUREMENT
  - ION PROBES
  - MICROWAVE PROBES
  - PLASMA PROBES

### RADIO FREQUENCY INTERFERENCE

- UF
  - RADIO INTERFERENCE
- GS
  - ELECTROMAGNETIC INTERFERENCE
  - RADIO FREQUENCY INTERFERENCE**
    - .. BLACKOUT (PROPAGATION)
    - .. POLAR RADIO BLACKOUT
    - .. CHIRP
    - .. CHIRP SIGNALS
    - .. ELECTROMAGNETIC NOISE
    - .. ATMOSPHERICS
    - .. IONOSPHERICS
    - .. DAWN CHORUS
    - .. HISS
    - .. SUDDEN ENHANCEMENT OF ATMOSPHERICS
    - .. WHISTLERS
    - .. COSMIC NOISE
    - .. IONOSPHERIC NOISE
    - .. WHISTLERS
    - .. SHOT NOISE
    - .. WHITE NOISE
    - .. THERMAL NOISE
    - .. IONOSPHERIC CROSS MODULATION
- RT
  - CLUTTER
  - CROSS COUPLING
  - ELECTROMAGNETIC COMPATIBILITY
  - ELECTRONIC COUNTERMEASURES
  - ELECTRONIC WARFARE
  - EXTRATERRESTRIAL RADIO WAVES
  - ∞ INTERFERENCE
  - INTERFERENCE GRATING
  - INTERFERENCE IMMUNITY
  - JAMMING
  - NOISE GENERATORS
  - NOISE STORMS
  - SIGNAL FADING

### RADIO FREQUENCY ION THRUSTOR ENGINES

- USE
  - RIT ENGINES

### RADIO FREQUENCY NOISE

- USE
  - ELECTROMAGNETIC NOISE

### RADIO FREQUENCY RADIATION

- USE
  - RADIO WAVES

### RADIO FREQUENCY SHIELDING

- GS
  - SHIELDING
  - ELECTROMAGNETIC SHIELDING
  - RADIO FREQUENCY SHIELDING**
- RT
  - RADIATION SHIELDING
  - SPACECRAFT SHIELDING

### RADIO GALAXIES

- GS
  - CELESTIAL BODIES
  - GALAXIES
  - ACTIVE GALAXIES
  - RADIO GALAXIES**
    - .. RADIO SOURCES (ASTRONOMY)
    - .. EXTRAGALACTIC RADIO SOURCES
- RT
  - RADIO GALAXIES**
    - .. ACTIVE GALACTIC NUCLEI
    - .. DISK GALAXIES
    - .. MAFFEI GALAXIES
    - .. QUASARS

### RADIO HORIZONS

- GS
  - HORIZON
  - RADIO HORIZONS**
- RT
  - HORIZON SCANNERS

### RADIO INTERFERENCE

- USE
  - RADIO FREQUENCY INTERFERENCE

### RADIO INTERFEROMETERS

- GS
  - MEASURING INSTRUMENTS
  - INTERFEROMETERS
  - RADIO INTERFEROMETERS**
- RT
  - ASTROPHYSICS
  - ORION (RADIO INTERFEROMETRY NETWORK)
  - VERY LONG BASE INTERFEROMETRY

### RADIO JETS (ASTRONOMY)

- GS
  - CELESTIAL BODIES
  - RADIO SOURCES (ASTRONOMY)
  - EXTRAGALACTIC RADIO SOURCES
  - RADIO JETS (ASTRONOMY)**
    - .. PARTICLES
    - .. CHARGED PARTICLES
    - .. PLASMA JETS
- RT
  - RADIO JETS (ASTRONOMY)**
    - .. ASTROPHYSICS
    - .. ENERGETIC PARTICLES
    - .. EXTRATERRESTRIAL RADIATION
    - .. EXTRATERRESTRIAL RADIO WAVES
    - .. GALACTIC NUCLEI
    - .. GALACTIC RADIO WAVES
    - .. QUASARS
    - .. RADIO ASTRONOMY
    - .. RADIO EMISSION

### RADIO METEOROLOGY

- GS
  - METEOROLOGY
  - RADIO METEOROLOGY**
- RT
  - ATMOSPHERICS
  - METEOROLOGICAL RADAR
  - RADIOSONDES

### RADIO METEORS

- GS
  - CELESTIAL BODIES
  - METEORIDS
  - RADIO METEORS**
- RT
  - ATMOSPHERIC IONIZATION
  - METEOR TRAILS

### RADIO NAVIGATION

- GS
  - NAVIGATION
  - RADIO NAVIGATION**
    - .. HYPERBOLIC NAVIGATION
    - .. DECCA NAVIGATION
    - .. LORAC NAVIGATION SYSTEM
    - .. LORAN
    - .. LORAN C
    - .. LORAN D
    - .. SHORAN
    - .. TACAN
    - .. VHF OMIRANGE NAVIGATION
- RT
  - AIR NAVIGATION
  - AIR TRAFFIC CONTROL
  - AIRCRAFT GUIDANCE
  - ALL-WEATHER AIR NAVIGATION
  - ASTRONAVIGATION
  - AUTOMATIC FLIGHT CONTROL
  - CELESTIAL NAVIGATION
  - COLLISION AVOIDANCE
  - DEAD RECKONING
  - DISTANCE MEASURING EQUIPMENT
  - DOPPLER NAVIGATION
  - FLIGHT CONTROL
  - GUIDANCE (MOTION)

### RADIO NAVIGATION-(CONT.)

- HOMING DEVICES
- INERTIAL NAVIGATION
- INTERPLANETARY NAVIGATION
- NAVIGATION AIDS
- OMNIDIRECTIONAL RADIO RANGES
- POSITIONING
- RADAR NAVIGATION
- SATELLITE NAVIGATION SYSTEMS
- SOLAR COMPASSES
- SPACE NAVIGATION
- SURFACE NAVIGATION

### RADIO OBSERVATION

- RT
  - OBSERVATION
  - SPACE OBSERVATIONS (FROM EARTH)

### RADIO OCCULTATION

- GS
  - OCCULTATION
  - RADIO OCCULTATION**
- RT
  - ATMOSPHERIC COMPOSITION
  - ATMOSPHERIC PRESSURE
  - ATMOSPHERIC TEMPERATURE
  - PLANETARY ATMOSPHERES
  - SPACE PROBES
  - SPACECRAFT TRAJECTORIES

### RADIO PHYSICS

- RT
  - ∞ PHYSICS
  - ∞ SCIENCE
  - THEORETICAL PHYSICS

### RADIO PROBING

- RT
  - MEASURING INSTRUMENTS
  - ∞ PROBES

### RADIO PROPAGATION

- USE
  - RADIO TRANSMISSION

### RADIO RANGE

- SN
  - (EXCLUDES RADIO BEACONS)
- GS
  - DISTANCE
  - RADIO RANGE**
    - .. RANGE (EXTREMES)
    - .. FREQUENCY RANGES
- RT
  - RADIO RANGE**
    - .. RADAR RANGE

### RADIO RANGES

- USE
  - RADIO BEACONS

### RADIO RECEIVERS

- GS
  - COMMUNICATION EQUIPMENT
  - RADIO RECEIVERS**
    - .. SUPERHETERODYNE RECEIVERS
    - .. TRANSMITTER RECEIVERS
    - .. WHISTLER RECORDERS
  - RADIO EQUIPMENT
  - RADIO RECEIVERS**
    - .. SUPERHETERODYNE RECEIVERS
    - .. TRANSMITTER RECEIVERS
    - .. WHISTLER RECORDERS
  - RECEIVERS
  - RADIO RECEIVERS**
    - .. SUPERHETERODYNE RECEIVERS
    - .. TRANSMITTER RECEIVERS
    - .. WHISTLER RECORDERS
- RT
  - DATA LINKS
  - DIRECTORS (ANTENNA ELEMENTS)
  - ELECTROMAGNETIC NOISE
  - INTERMEDIATE FREQUENCY AMPLIFIERS
  - LOUDSPEAKERS
  - ORION (RADIO INTERFEROMETRY NETWORK)
  - RADAR RECEIVERS
  - RECEPTION DIVERSITY
  - TELEVISION RECEPTION
  - TRANSPONDERS
  - TUNERS

### RADIO RECEPTION

- RT
  - HOMODYNE RECEPTION
  - RADAR RECEPTION
- ∞ RECEIVING
- RECEPTION DIVERSITY
- SCATTER PROPAGATION
- TELEVISION RECEPTION

### RADIO REFLECTION

- USE
  - RADIO ECHOES

### RADIO RELAY SYSTEMS

- GS
  - TELECOMMUNICATION
  - RADIO COMMUNICATION

## RADIO WAVES

### RADIO RELAY SYSTEMS-(CONT.)

- ... **RADIO RELAY SYSTEMS**
- ... CODE DIVISION MULTIPLE ACCESS
- ... TIME DIVISION MULTIPLE ACCESS
- RT COMMUNICATION EQUIPMENT
- COMMUNICATION SATELLITES
- DATA LINKS
- DEFENSE COMMUNICATIONS SATELLITE SYSTEM
- EARTH TERMINAL MEASUREMENT SYSTEM
- EARTH TERMINALS
- GLOBAL TRACKING NETWORK
- MOLNIYA SATELLITES
- MSAT
- ORBIT SPECTRUM UTILIZATION
- ∞ RELAY
- ∞ SYSTEMS
- TDR SATELLITES

### RADIO SCATTERING

- RT ATMOSPHERIC DIFFUSION
- ATMOSPHERIC SCATTERING
- SCATTER PROPAGATION
- SIGNAL FADING
- SIGNAL TRANSMISSION

### RADIO SIGNAL ATTENUATION

- USE RADIO ATTENUATION

### RADIO SIGNAL PROPAGATION

- USE RADIO TRANSMISSION

### RADIO SIGNALS

- RT BROADCASTING
- PROJECT SETI
- SIGNAL DISTORTION
- SIGNAL MIXING
- ∞ SIGNALS
- TRANSHORIZON RADIO PROPAGATION
- WHISTLERS

### RADIO SOURCES (ASTRONOMY)

- SN (LIMITED TO EXTRATERRESTRIAL RADIO SOURCES)
- GS CELESTIAL BODIES
- ... **RADIO SOURCES (ASTRONOMY)**
- ... CASSIOPEIA A
- ... EXTRAGALACTIC RADIO SOURCES
- ... RADIO GALAXIES
- ... RADIO JETS (ASTRONOMY)
- ... QUASARS
- ... RADIO STARS
- ... PULSARS
- RT BL LACERTAE OBJECTS
- CN EMISSION
- EXTRATERRESTRIAL RADIO WAVES
- GALACTIC NUCLEI
- GALAXIES
- HYDROXYL EMISSION
- IRREGULAR GALAXIES
- MAFFEI GALAXIES
- MILKY WAY GALAXY
- RADIATION SOURCES
- ∞ SOURCES

### RADIO SPECTRA

- GS SPECTRA
- ... RADIATION SPECTRA
- ... ELECTROMAGNETIC SPECTRA
- ... **RADIO SPECTRA**
- ... MICROWAVE SPECTRA
- RT CARRIER WAVES
- ELECTROMAGNETIC NOISE
- H I REGIONS
- RADIANT FLUX DENSITY

### RADIO SPECTROSCOPY

- GS SPECTROSCOPY
- ... **RADIO SPECTROSCOPY**
- RT ASTRONOMICAL SPECTROSCOPY
- ULTRAVIOLET SPECTRA
- ULTRAVIOLET SPECTROSCOPY
- X RAY SPECTROSCOPY

### RADIO STARS

- GS CELESTIAL BODIES
- ... RADIO SOURCES (ASTRONOMY)
- ... **RADIO STARS**
- ... PULSARS
- ... STARS
- ... **RADIO STARS**
- ... PULSARS
- RT QUASARS
- RADIATIVE TRANSFER

### RADIO STARS-(CONT.)

STELLAR RADIATION

### RADIO TELEGRAPHY

- GS TELECOMMUNICATION
- ... RADIO COMMUNICATION
- ... **RADIO TELEGRAPHY**
- RT COMMUNICATION EQUIPMENT
- KEYING
- MORSE CODE

### RADIO TELEMETRY

- GS TELECOMMUNICATION
- ... RADIO COMMUNICATION
- ... **RADIO TELEMETRY**
- ... PULSE FREQUENCY MODULATION
- ... TELEMETRY
- ... TELEMETRY
- ... **RADIO TELEMETRY**
- ... PULSE FREQUENCY MODULATION
- ... TELEMETRY
- TRANSMISSION
- ... SIGNAL TRANSMISSION
- ... TELEMETRY
- ... **RADIO TELEMETRY**
- ... PULSE FREQUENCY MODULATION
- ... TELEMETRY
- RT COMMUNICATION EQUIPMENT
- DATA TRANSMISSION
- EXTRATERRESTRIAL COMMUNICATION
- GROUND SUPPORT EQUIPMENT
- MEASURING INSTRUMENTS
- PULSE MODULATION
- RADIOMETEOROLOGRAPHS
- RADIOSONDES
- SPACE COMMUNICATION
- WIRELESS COMMUNICATION

### RADIO TELESCOPES

- GS RADIO EQUIPMENT
- ... **RADIO TELESCOPES**
- ... KILOMETER WAVE ORBITING
- ... TELESCOPE
- ... VERY LARGE ARRAY (VLA)
- ... VERY LONG BASELINE ARRAY (VLBA)
- TELESCOPES
- ... **RADIO TELESCOPES**
- ... KILOMETER WAVE ORBITING
- ... TELESCOPE
- ... VERY LARGE ARRAY (VLA)
- ... VERY LONG BASELINE ARRAY (VLBA)
- RT ANTENNAS
- JODRELL BANK OBSERVATORY
- OPTICAL EQUIPMENT
- PHASE SWITCHING INTERFEROMETERS
- QUASAT

### RADIO TRACKING

- GS TRACKING (POSITION)
- ... **RADIO TRACKING**
- ... WILDLIFE RADIOLOCATION
- RT RADAR SCANNING
- RADAR TRACKING
- RANGE AND RANGE RATE TRACKING
- RANGEFINDING
- RAWINSONDES
- SPACECRAFT TRACKING

### RADIO TRANSMISSION

- UF RADIO PROPAGATION
- RADIO SIGNAL PROPAGATION
- GS TRANSMISSION
- ... ELECTROMAGNETIC WAVE
- TRANSMISSION
- ... **RADIO TRANSMISSION**
- ... DOUBLE SIDEBAND TRANSMISSION
- ... IONOSPHERIC PROPAGATION
- ... IONOSPHERIC F-SCATTER
- PROPAGATION
- ... MICROWAVE ATTENUATION
- ... MICROWAVE TRANSMISSION
- ... MULTIPATH TRANSMISSION
- ... SHORT WAVE RADIO
- TRANSMISSION
- ... SINGLE SIDEBAND TRANSMISSION
- ... SPREAD SPECTRUM TRANSMISSION
- ... TRANSEQUATORIAL PROPAGATION
- ... TRANSHORIZON RADIO
- PROPAGATION
- ... SIGNAL TRANSMISSION
- ... **RADIO TRANSMISSION**
- ... DOUBLE SIDEBAND TRANSMISSION
- ... IONOSPHERIC PROPAGATION
- ... IONOSPHERIC F-SCATTER
- PROPAGATION

### RADIO TRANSMISSION-(CONT.)

- ... MICROWAVE ATTENUATION
- ... MICROWAVE TRANSMISSION
- ... MULTIPATH TRANSMISSION
- ... SHORT WAVE RADIO
- TRANSMISSION
- ... SINGLE SIDEBAND TRANSMISSION
- ... TRANSEQUATORIAL PROPAGATION
- ... TRANSHORIZON RADIO
- PROPAGATION
- RT ANTIPODES
- ATMOSPHERIC ATTENUATION
- BROADCASTING
- CODE DIVISION MULTIPLEXING
- COMPANDING
- DATA TRANSMISSION
- FREQUENCY REUSE
- FREQUENCY SHIFT KEYING
- MAGNETOIONICS
- MODULATION
- MULTIPLEXING
- PACKET SWITCHING
- PULSE COMMUNICATION
- PULSE FREQUENCY MODULATION
- TELEMETRY
- RADAR TRANSMISSION
- RADOME MATERIALS
- SATELLITE TRANSMISSION
- SCATTER PROPAGATION
- SEAFARER PROJECT
- SOMMERFELD APPROXIMATION
- SYMPHONIE SATELLITES
- VOICE OF AMERICA
- WAVE ATTENUATION
- WAVE PROPAGATION

### RADIO TRANSMITTERS

- GS RADIO EQUIPMENT
- ... **RADIO TRANSMITTERS**
- ... RADIO BEACONS
- ... OMNIDIRECTIONAL RADIO RANGES
- ... SELF CALIBRATING OMNIRANGE
- ... RADIOMETEOROLOGRAPHS
- ... RADIOSONDES
- ... ENDORADIOSONDES
- ... IONOSONDES
- ... RAWINSONDES
- ... RADIOTELEPHONES
- ... SONOBUOYS
- ... TRANSMITTER RECEIVERS
- TRANSMITTERS
- ... **RADIO TRANSMITTERS**
- ... RADIO BEACONS
- ... OMNIDIRECTIONAL RADIO RANGES
- ... SELF CALIBRATING OMNIRANGE
- ... RADIOMETEOROLOGRAPHS
- ... RADIOSONDES
- ... ENDORADIOSONDES
- ... IONOSONDES
- ... RAWINSONDES
- ... RADIOTELEPHONES
- ... SONOBUOYS
- ... TRANSMITTER RECEIVERS
- RT MULTICHANNEL COMMUNICATION
- QUARTZ CRYSTALS
- TELEVISION TRANSMISSION
- TRANSPONDERS
- WILDLIFE RADIOLOCATION

### RADIO WAVE REFRACTION

- GS REFRACTION
- ... ATMOSPHERIC REFRACTION
- ... **RADIO WAVE REFRACTION**
- RT WAVE DISPERSION

### RADIO WAVES

- UF RADIO FREQUENCY RADIATION
- GS ELECTROMAGNETIC RADIATION
- ... **RADIO WAVES**
- ... DECAHETRIC WAVES
- ... EXTRATERRESTRIAL RADIO WAVES
- ... GALACTIC RADIO WAVES
- ... RADIO BURSTS
- ... SOLAR RADIO BURSTS
- ... TYPE 2 BURSTS
- ... TYPE 3 BURSTS
- ... TYPE 4 BURSTS
- ... TYPE 5 BURSTS
- ... SOLAR RADIO EMISSION
- ... SOLAR RADIO BURSTS
- ... TYPE 2 BURSTS
- ... TYPE 3 BURSTS
- ... TYPE 4 BURSTS
- ... TYPE 5 BURSTS
- ... LONG WAVE RADIATION

## RADIOACTIVE AGE DETERMINATION

### RADIO WAVES-(CONT.)

... RADIO EMISSION  
... CN EMISSION  
... HYDROXYL EMISSION  
... RADIO BURSTS  
... SOLAR RADIO BURSTS  
... TYPE 2 BURSTS  
... TYPE 3 BURSTS  
... TYPE 4 BURSTS  
... TYPE 5 BURSTS  
... SOLAR RADIO EMISSION  
... SOLAR RADIO BURSTS  
... TYPE 2 BURSTS  
... TYPE 3 BURSTS  
... TYPE 4 BURSTS  
... TYPE 5 BURSTS  
... SHORT WAVE RADIATION  
... MICROWAVES  
... CENTIMETER WAVES  
... DECIMETER WAVES  
... MICROWAVE EMISSION  
... MILLIMETER WAVES  
... SUBMILLIMETER WAVES  
... SKY WAVES  
... WHISTLERS  
RT ATMOSPHERICS  
COHERENT ELECTROMAGNETIC  
RADIATION  
ELECTROMAGNETIC NOISE  
ELECTROMAGNETIC SURFACE WAVES  
EXTRATERRESTRIAL RADIATION  
FAR INFRARED RADIATION  
FREQUENCIES  
GROUND WAVE PROPAGATION  
MONOCHROMATIC RADIATION  
MULTIPATH TRANSMISSION  
NONTHERMAL RADIATION  
PLANETARY RADIATION  
POLARIZED ELECTROMAGNETIC  
RADIATION  
SCATTER PROPAGATION  
SOLAR RADIATION  
SOLITARY WAVES  
THERMAL RADIATION  
TRANSVERSE WAVES  
TRAVELING WAVES  
TROPOSPHERIC WAVES

### RADIOACTIVE AGE DETERMINATION

UF RADIOACTIVE DATING  
RT ∞ AGING  
FOSSILS  
GEOCHRONOLOGY  
HALF LIFE  
∞ MEASUREMENT  
RADIOCHEMISTRY  
RADIOGENIC MATERIALS  
TIME MEASUREMENT

### RADIOACTIVE CONTAMINANTS

GS CONTAMINANTS  
... RADIOACTIVE CONTAMINANTS  
RT ATMOSPHERIC COMPOSITION  
FALLOUT  
NUCLEAR RADIATION  
RADIATION EFFECTS  
RADIATION HAZARDS

### RADIOACTIVE DATING

USE RADIOACTIVE AGE DETERMINATION

### ∞ RADIOACTIVE DEBRIS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT DEBRIS  
FALLOUT  
RADIOACTIVE MATERIALS  
RADIOACTIVE WASTES  
RADIOGENIC MATERIALS

### RADIOACTIVE DECAY

UF PARTICLE DECAY  
GS DECAY  
... RADIOACTIVE DECAY  
... ALPHA DECAY  
... NEUTRON EMISSION  
NUCLEAR REACTIONS  
... RADIOACTIVE DECAY  
... ALPHA DECAY  
... NEUTRON EMISSION  
RT EMISSION  
GAMMA RAY BEAMS  
GAMMA RAYS  
HALF LIFE

### RADIOACTIVE DECAY-(CONT.)

HYPERNUCLEI  
NUCLEAR FISSION  
NUCLEAR RADIATION  
PHOTOPRODUCTION  
POST-BLAST NUCLEAR RADIATION  
RADIOACTIVITY  
RADIOGENIC MATERIALS  
THERMONUCLEAR REACTIONS  
VECTOR CURRENTS

### RADIOACTIVE ELEMENTS

USE RADIOACTIVE ISOTOPES

### RADIOACTIVE ISOTOPES

UF RADIOACTIVE ELEMENTS  
RADIOACTIVE NUCLIDES  
RADIONUCLIDES  
GS CHEMICAL ELEMENTS  
... NUCLIDES  
... ISOTOPES  
... RADIOACTIVE ISOTOPES  
... ARSENIC ISOTOPES  
... ASTATINE ISOTOPES  
... BERYLLIUM 7  
... BERYLLIUM 9  
... BERYLLIUM 10  
... CARBON 14  
... CERIUM 137  
... CERIUM 144  
... CESIUM 134  
... CESIUM 137  
... CESIUM 144  
... COBALT 58  
... COBALT 60  
... GOLD ISOTOPES  
... GOLD 198  
... INDIUM ISOTOPES  
... IODINE 125  
... IODINE 131  
... IODINE 132  
... IRON 59  
... KRYPTON 85  
... NIOBIUM 95  
... NITROGEN 16  
... PHOSPHORUS 32  
... POLONIUM 208  
... POLONIUM 209  
... POLONIUM 210  
... POTASSIUM 38  
... POTASSIUM 40  
... RUBIDIUM 86  
... SODIUM 22  
... SODIUM 24  
... STRONTIUM 85  
... STRONTIUM 88  
... STRONTIUM 89  
... STRONTIUM 90  
... TRANSURANIAN ELEMENTS  
... AMERICIUM  
... AMERICIUM ISOTOPES  
... BERKELIUM  
... CALIFORNIUM  
... CALIFORNIUM ISOTOPES  
... CURIUM  
... CURIUM ISOTOPES  
... EINSTEINIUM  
... FERMIUM  
... LAWRENCIUM  
... MENDELEVIUM  
... MENDELEVIUM ISOTOPES  
... NEPTUNIUM  
... NEPTUNIUM ISOTOPES  
... NOBELIUM  
... PLUTONIUM  
... PLUTONIUM ISOTOPES  
... SERGENIUM  
... TRITIUM  
... URANIUM 232  
... URANIUM 233  
... URANIUM 238  
... XENON 133  
... XENON 135  
... ZIRCONIUM 95  
RT ACTINIDE SERIES  
ISOTOPE EFFECT  
ISOTOPIC LABELING  
RADIOCARDIOGRAPHY  
RADIOISOTOPE BATTERIES  
RADIOPHOSPHORS

### RADIOACTIVE MATERIALS

RT ACTINIDE SERIES  
FISSILE FUELS  
FISSION PRODUCTS

### RADIOACTIVE MATERIALS-(CONT.)

FISSIONABLE MATERIALS  
IONIZING RADIATION  
ISOTOPES  
∞ MATERIALS  
... NUCLEAR FISSION  
... NUCLEAR RADIATION  
... RADIATION HAZARDS  
... RADIATION SOURCES  
∞ RADIOACTIVE DEBRIS  
RADIOACTIVITY  
RADIOBIOLOGY  
RADIOCHEMISTRY  
URANIUM PLASMAS

### RADIOACTIVE NUCLIDES

USE RADIOACTIVE ISOTOPES

### RADIOACTIVE WASTES

UF NUCLEAR WASTES  
GS WASTES  
RT ... RADIOACTIVE WASTES  
CONTAMINATION  
DECOMMISSIONING  
ENVIRONMENT POLLUTION  
ENVIRONMENT PROTECTION  
ENVIRONMENTAL SURVEYS  
FISSION PRODUCTS  
HAZARDOUS MATERIAL DISPOSAL (IN  
SPACE)  
NONPOINT SOURCES  
PLASMA CORE REACTORS  
POISONING (REACTION INHIBITION)  
POLLUTION  
RADIATION HAZARDS  
∞ RADIOACTIVE DEBRIS  
RADIOCHEMISTRY  
RADIOGENIC MATERIALS  
SOLID WASTES  
WASTE DISPOSAL

### RADIOACTIVITY

RT ∞ ACTIVITY  
ALPHA PARTICLES  
EMISSION  
FALLOUT  
FISSION PRODUCTS  
GAMMA RAYS  
GEOCHEMISTRY  
GEOPHYSICS  
HALF LIFE  
IONIZING RADIATION  
NUCLEAR RADIATION  
PARTICLE PRODUCTION  
POST-BLAST NUCLEAR RADIATION  
∞ RADIATION  
RADIATION HAZARDS  
RADIOACTIVE DECAY  
RADIOACTIVE MATERIALS  
RADIOCHEMISTRY

### RADIOBIOLOGY

GS MEDICAL SCIENCE  
... NUCLEAR MEDICINE  
... RADIOBIOLOGY  
RT ANTIRADIATION DRUGS  
∞ BIOLOGY  
BIOMAGNETISM  
DOSIMETERS  
HEALTH PHYSICS  
IMMUNOASSAY  
IRRADIATION  
∞ MEDICINE  
NUCLEAR RADIATION  
RADIOACTIVE MATERIALS  
RADIOCHEMISTRY  
RADIOIMMUNOASSAY

### RADIOCARDIOGRAPHY

GS BIOENGINEERING  
... BIOMETRICS  
... RADIOCARDIOGRAPHY  
RT CARDIOLOGY  
RADIOACTIVE ISOTOPES

### RADIOCHEMICAL SEPARATION

GS RADIOCHEMISTRY  
... RADIOCHEMICAL SEPARATION  
RT CHEMICAL REACTIONS  
QUANTITATIVE ANALYSIS  
∞ SEPARATION

### RADIOCHEMISTRY

UF REACTOR CHEMISTRY  
GS RADIOCHEMISTRY

## RADIUM ISOTOPES

## RADIOCHEMISTRY-(CONT.)

- RT RADIOCHEMICAL SEPARATION
- ∞ CHEMICAL ANALYSIS
- ∞ CHEMISTRY
- IONIZING RADIATION
- ISOTOPIC LABELING
- NUCLEAR CHEMISTRY
- NUCLEAR RADIATION
- NUCLEAR RESEARCH
- RADIOACTIVE AGE DETERMINATION
- RADIOACTIVE MATERIALS
- RADIOACTIVE WASTES
- RADIOACTIVITY
- RADIOBIOLOGY

## RADIOGENIC MATERIALS

RT	NUCLEAR REACTIONS
	RADIOACTIVE AGE DETERMINATION
∞	RADIOACTIVE DEBRIS
	RADIOACTIVE DECAY
	RADIOACTIVE WASTES
	TRANSMUTATION

## RADIOGONIOMETERS

GS	MEASURING INSTRUMENTS
	· GONIOMETERS
	· · <b>RADIOGONIOMETERS</b>
RT	RADIO DIRECTION FINDERS

## RADIOGRAPHY

- UF CINEFLUOROGRAPHY
- CINERADIOGRAPHY
- GS IMAGERY
  - . **RADIOGRAPHY**
  - . ANGIOGRAPHY
  - . AUTORADIOGRAPHY
  - . NEUTRON RADIOGRAPHY
  - . TOMOGRAPHY
  - . . . COMPUTER AIDED TOMOGRAPHY
  - . . UROGRAPHY
- RT BRAGG ANGLE
- CRYSTALLOGRAPHY
  - ∞ FLASH
  - IRRADIATION
  - LIXISCOPES
  - ∞ MATERIALS TESTS
  - METALLOGRAPHY
  - NONDESTRUCTIVE TESTS
  - PHOTOGRAPHY
  - PNEUMOGRAPHY
  - RADIOLOGY
  - X RAY ANALYSIS
  - X RAY APPARATUS
  - X RAY ASTRONOMY
  - X RAY DIFFRACTION
  - X RAY FLUORESCENCE
  - X RAY IMAGERY
  - X RAY INSPECTION
  - X RAY SPECTROSCOPY
  - X RAY TELESCOPES
  - X RAY TUBES
  - X RAYS

### RADIOIMMUNOASSAY

GS	IMMUNOAASSAY
RT	<b>RADIOIMMUNOAASSAY</b>
	ANTIGENS
	ASSAYING
	BIOCHEMISTRY
	IMMUNOLOGY
	RADIOBIOLOGY

## RADIOISOTOPE BATTERIES

UF     ATOMIC BATTERIES  
GS     ELECTRIC GENERATORS  
       DIRECT POWER GENERATORS  
       **RADIOISOTOPE BATTERIES**  
         . SNAP 7  
         . SNAP 9A  
         . SNAP 11  
         . SNAP 13  
         . SNAP 15  
         . SNAP 17  
         . SNAP 19  
         . SNAP 21  
         . SNAP 23  
         . SNAP 27  
         . SNAP 29  
  
RT     ELECTRIC BATTERIES  
       FISSION ELECTRIC CELLS  
       NUCLEAR AUXILIARY POWER UNITS  
       RADIOACTIVE ISOTOPES  
       THERMIONIC CONVERTERS  
       THERMOELECTRIC GENERATORS

## RADIOLOGY

GS	MEDICAL SCIENCE
	<b>RADIOLOGY</b>
RT	AEROSPACE MEDICINE
	∞ MEDICINE
	∞ RADIATION
	RADIOGRAPHY
	X RAY ANALYSIS
	X RAYS

## RADIOLYSIS

- GS
- CHEMICAL REACTIONS
- PHOTOCHEMICAL REACTIONS
- RADIOLYSIS
- DECOMPOSITION
- RADIOLYSIS
- DISSOCIATION
- RADIOLYSIS
- RADIATION CHEMISTRY
- RADIOLYSIS
- RADIATION EFFECTS
- RADIOLYSIS
- RT
- PHOTOLYSIS

## RADIOMETEOROLOGRAPHS

GS	MEASURING INSTRUMENTS
	. METEOROLOGICAL INSTRUMENTS
	. <b>RADIOMETEOROGRAPHS</b>
	RADIO EQUIPMENT
	. RADIO TRANSMITTERS
	. <b>RADIOMETEOROGRAPHS</b>
	RECORDING INSTRUMENTS
	. <b>RADIOMETEOROGRAPHS</b>
	TRANSMITTERS
	. RADIO TRANSMITTERS
	. <b>RADIOMETEOROGRAPHS</b>
RT	RADIO TELEMETRY
	RADIOSONDES

## RADIOMETERS

- GS MEASURING INSTRUMENTS
  - . RADIATION MEASURING INSTRUMENTS
    - . . . ACTINOMETERS
      - . . . . **RADIOMETERS**
        - . . . . . DICKE RADIOMETERS
          - . . . . . INFRARED DETECTORS
            - . . . . . INFRARED SCANNERS
              - . . . . . MICROWAVE RADIOMETERS
                - . . . . . PASSIVE L-BAND RADIOMETERS
                  - . . . . . PRESSURE MODULATOR
                    - . . . . . RADIOMETERS
                      - . . . . . SPECTRORADIOMETERS
  - RT BOLOMETERS
    - FOREST FIRE DETECTION
    - HORIZON SCANNERS
    - INFRARED PHOTOGRAPHY
    - INFRARED TRACKING
    - KNUDSEN GAGES
    - PHOTOMETERS
    - PYRANOMETERS
    - RADIOMETRIC RESOLUTION
    - SPECTROPHOTOMETERS
    - THERMISTORS
    - ULTRAVIOLET DETECTORS

### RADIOMETRIC CORRECTION

- UF RADIO-METRIC RECTIFICATION
- RT IMAGE ENHANCEMENT
- INFRARED RADIOMETERS
- MULTISPECTRAL BAND SCANNERS
- VEGETATIVE INDEX

## RADIOMETRIC RECTIFICATION

USE ☐ RADIOMETRIC CORRECTION

## RADIOMETRIC RESOLUTION

RT      **RADIOMETRIC RESOLUTION**  
          **MULTISPECTRAL BAND SCANNERS**  
          **RADIOMETERS**  
          **REMOTE SENSORS**  
          **SPECTRAL RESOLUTION**

## RADIONUCLIDES

USE RADIOACTIVE ISOTOPES

## RADIOPATHOLOGY

|    |                       |
|----|-----------------------|
| GS | MEDICAL SCIENCE       |
|    | <b>RADIOPATHOLOGY</b> |
| RT | ANTIRADIATION DRUGS   |
|    | NUCLEAR MEDICINE      |
|    | RADIATION SICKNESS    |

## RADIOPHOSPHORS

|    |                         |
|----|-------------------------|
| GS | PHOSPHORS               |
|    | <b>. RADIOPHOSPHORS</b> |
| BT | RADIOACTIVE ISOTOPES    |

## RADIOPROTECTIVE AGENTS

## USE ANTIRADIATION DRUGS

## RADIOSENSITIVITY

USE RADIATION TOLERANCE

## RADIOSONDES

GS      MEASURING INSTRUMENTS  
         . METEOROLOGICAL INSTRUMENTS  
         . **RADIOSONDES**  
         . . . . . ENDORADIOSONDES  
         . . . . . IONOSONDES  
         . . . . . RAWINSONDES  
         . SONDAS  
         . **RADIOSONDES**  
         . . . . . ENDORADIOSONDES  
         . . . . . IONOSONDES  
         . . . . . RAWINSONDES  
RADIO EQUIPMENT  
  . RADIO TRANSMITTERS  
  . **RADIOSONDES**  
  . . . . . ENDORADIOSONDES  
  . . . . . IONOSONDES  
  . . . . . RAWINSONDES  
TRANSMITTERS  
  . RADIO TRANSMITTERS  
  . **RADIOSONDES**  
  . . . . . ENDORADIOSONDES  
  . . . . . IONOSONDES  
  . . . . . RAWINSONDES  
RT      ARCAS ROCKET VEHICLES  
         BALLOON SOUNDING  
         BALLOON-BORNE INSTRUMENTS  
         DROPSONDES  
         METEOROLOGICAL BALLOONS  
         RADIO METEOROLOGY  
         RADIO TELEMETRY  
         RADIOMETEOROGRAPHS  
         ROBIN BALLOONS  
         SATELLITE SOUNDING  
         SOUNDING ROCKETS

## RADIOTELEPHONES

|    |                          |
|----|--------------------------|
| GS | RADIO EQUIPMENT          |
|    | . RADIO TRANSMITTERS     |
|    | . <b>RADIOTELEPHONES</b> |
|    | RECEIVERS                |
|    | . <b>RADIOTELEPHONES</b> |
|    | TELECOMMUNICATION        |
|    | . <b>RADIOTELEPHONES</b> |
|    | TELEPHONES               |
|    | . <b>RADIOTELEPHONES</b> |
|    | TRANSMITTERS             |
|    | . RADIO TRANSMITTERS     |
|    | . <b>RADIOTELEPHONES</b> |
| RT | ECHO SUPPRESSORS         |
|    | RADIO COMMUNICATION      |
|    | TELEPHONY                |
|    | VOICE COMMUNICATION      |

## RADIOTHERAPY

USE RADIATION THERAPY

## RADIUM

GS      CHEMICAL ELEMENTS  
          . ACTINIDE SERIES  
          . . **RADIUM**  
          . . . RADIUM ISOTOPES  
          . . . . RADIUM 226  
          METALS  
          . ACTINIDE SERIES  
          . . **RADIUM**  
          . . . RADIUM ISOTOPES  
          . . . . RADIUM 226

## RADIUM ISOTOPES

```

GS      CHEMICAL ELEMENTS
        . ACTINIDE SERIES
        . . RADIUM
        . . . RADIUM ISOTOPES
        . . . . RADIUM 226
        . NUCLIDES
        . . ISOTOPES
        . . . RADIUM ISOTOPES
        . . . . RADIUM 226
        METALS
        . ACTINIDE SERIES
        . . RADIUM
        . . . RADIUM ISOTOPES
        . . . . RADIUM 226

```

## RADIUM 226

### RADIUM 226

GS CHEMICAL ELEMENTS  
  . ACTINIDE SERIES  
    . RADIUM  
      . . . RADIUM ISOTOPES  
      . . . **RADIUM 226**  
      . . . NUCLIDES  
      . . . ISOTOPES  
      . . . RADIUM ISOTOPES  
      . . . **RADIUM 226**  
      . . . METALS  
      . . . ACTINIDE SERIES  
      . . . RADIUM  
      . . . RADIUM ISOTOPES  
      . . . **RADIUM 226**

### RADIUS

USE RADI

### RADOME MATERIALS

GS DIELECTRICS  
  . **RADOME MATERIALS**  
RT ELECTROMAGNETIC WAVE  
  TRANSMISSION  
  . . . MATERIALS  
  . . . RADAR TRANSMISSION  
  . . . RADIO TRANSMISSION  
  . . . RADOMES  
  . . . TRANSPARENCE

### RADOMES

GS HOUSINGS  
  . **RADOMES**  
  . . . SHELLS (STRUCTURAL FORMS)  
  . . . DOMES (STRUCTURAL FORMS)  
  . . . **RADOMES**  
RT INFLATABLE STRUCTURES  
  PROTUBERANCES  
  RADANT  
  RADAR ANTENNAS  
  RADAR EQUIPMENT  
  RADOME MATERIALS

### RADON

GS CHEMICAL ELEMENTS  
  . RARE GASES  
    . **RADON**  
      . . . RADON ISOTOPES  
      . . . GASES  
      . . . RARE GASES  
      . . . **RADON**  
      . . . RADON ISOTOPES

### RADON ISOTOPES

UF THORON  
GS CHEMICAL ELEMENTS  
  . NUCLIDES  
    . . . ISOTOPES  
    . . . **RADON ISOTOPES**  
    . . . RARE GASES  
    . . . RADON  
    . . . **RADON ISOTOPES**  
    . . . GASES  
    . . . RARE GASES  
    . . . RADON  
    . . . **RADON ISOTOPES**

### RADUGA SATELLITE

GS ARTIFICIAL SATELLITES  
  . COMMUNICATION SATELLITES  
  . **RADUGA SATELLITE**  
  . SOVIET SATELLITES  
  . **RADUGA SATELLITE**

### RAE B

USE EXPLORER 49 SATELLITE

### RAE 1

USE EXPLORER 49 SATELLITE

### RAE 2

USE EXPLORER 49 SATELLITE

### RAE-1

USE EXPLORER 38 SATELLITE

### RAFTS

GS **RAFTS**  
  . LIFE RAFTS  
RT FLOATS  
  LIFEBOATS  
  SURVIVAL EQUIPMENT

### RAIL TRANSPORTATION

UF RAILROADS  
GS TRANSPORTATION  
  . **RAIL TRANSPORTATION**  
RT AUTOMATED GUIDEWAY TRANSIT  
  VEHICLES  
  AUTOMATED TRANSIT VEHICLES  
  LOCOMOTIVES  
  MAGNETIC LEVITATION VEHICLES  
  MARINE TRANSPORTATION  
  RAILS  
  RAPID TRANSIT SYSTEMS  
  SURFACE VEHICLES  
  URBAN TRANSPORTATION

### RAILGUN ACCELERATORS

RT . . . ACCELERATORS  
  HYPERVELOCITY GUNS  
  HYPERVELOCITY LAUNCHERS  
  NUCLEAR FUSION  
  PARTICLE ACCELERATORS  
  SPACECRAFT LAUNCHING

### RAILROAD HUMPING TESTS

RT CARGO  
  IMPACT ACCELERATION  
  MATERIALS HANDLING  
  SHOCK TESTS  
  . . . TESTS

### RAILROADS

USE RAIL TRANSPORTATION

### RAILS

RT RAIL TRANSPORTATION  
  RAPID TRANSIT SYSTEMS  
  SURFACE VEHICLES

### RAIN

GS PRECIPITATION (METEOROLOGY)  
  . **RAIN**  
  . . . ACID RAIN  
  . . . ACQUIFERS  
  . . . CLOUD SEEDING  
  . . . CONDENSATION NUCLEI  
  . . . FLOOD PREDICTIONS  
  . . . HYDROLOGY  
  . . . HYDROLOGY MODELS  
  . . . LIMNOLOGY  
  . . . RAINBOWS  
  . . . RAINDROPS  
  . . . RAINSTORMS  
  . . . SHOWERS  
  . . . THUNDERSTORMS  
  . . . WATERSHEDS

### RAIN EROSION

GS EROSION  
  . **RAIN EROSION**  
RT LANDSLIDES  
  MUD  
  SANDS  
  SOIL EROSION

### RAIN FORESTS

GS RESOURCES  
  . EARTH RESOURCES  
  . . . FORESTS  
  . . . **RAIN FORESTS**  
RT CANOPIES (VEGETATION)  
  GEOBOTANY  
  PLANTS (BOTANY)  
  . . . SHOWERS  
  . . . TROPICAL REGIONS  
  . . . VEGETATION

### RAIN GAGES

UF PLUVIOGRAPHS  
GS MEASURING INSTRUMENTS  
  . METEOROLOGICAL INSTRUMENTS  
  . . . **RAIN GAGES**

### RAIN IMPACT DAMAGE

GS DAMAGE  
  . IMPACT DAMAGE  
  . . . **RAIN IMPACT DAMAGE**  
RT ARROYOS  
  EROSION  
  SOIL EROSION  
  WATER EROSION

### RAINBOWS

GS DISTRIBUTION (PROPERTY)  
  . RADIATION DISTRIBUTION

### RAINBOWS-(CONT.)

  . . . DIFFRACTION PATTERNS  
  . . . **RAINBOWS**  
RT HALOS  
  LIGHT TRANSMISSION  
  RAIN

### RAINDROPS

GS PARTICLES  
  . DROPS (LIQUIDS)  
  . . . **RAINDROPS**  
RT DROP SIZE  
  FALLING SPHERES  
  RAIN  
  RAINMAKING

### RAINMAKING

GS WEATHER MODIFICATION  
  . **RAINMAKING**  
RT CLIMATOLOGY  
  CLOUD SEEDING  
  PRECIPITATION (METEOROLOGY)  
  RAINDROPS  
  WATER RESOURCES

### RAINSTORMS

GS STORMS  
  . STORMS (METEOROLOGY)  
  . . . **RAINSTORMS**  
  . . . THUNDERSTORMS  
RT ACID RAIN  
  FLOOD CONTROL  
  FLOOD PREDICTIONS  
  HAILSTORMS  
  PRECIPITATION (METEOROLOGY)  
  RAIN  
  . . . SHOWERS  
  . . . STORM DAMAGE  
  . . . STORM ENHANCEMENT  
  . . . STORM SUPPRESSION  
  . . . TORNADOES

### . . . RAKES

SN *(USE OF A MORE SPECIFIC TERM IS  
  RECOMMENDED--CONSULT THE TERMS  
  LISTED BELOW)*  
RT PRESSURE SENSORS  
  SLOPES

### . . . RAM

SN *(USE OF A MORE SPECIFIC TERM IS  
  RECOMMENDED--CONSULT THE TERMS  
  LISTED BELOW)*  
RT ANTIRADAR COATINGS  
  RAMS (PRESSES)  
  RAMS (PUMPS)

### RAM B LAUNCH VEHICLE

GS LAUNCH VEHICLES  
  . **RAM B LAUNCH VEHICLE**  
  . . . ROCKET VEHICLES  
  . . . MULTISTAGE ROCKET VEHICLES  
  . . . **RAM B LAUNCH VEHICLE**  
RT SOLID PROPELLANT ROCKET ENGINES  
  TX-354 ENGINE

### RAM PROJECT

USE RADIO ATTENUATION MEASUREMENT  
  PROJECT

### RAMAN EFFECT

USE RAMAN SPECTRA

### RAMAN LASERS

GS STIMULATED EMISSION DEVICES  
  . LASERS  
  . . . **RAMAN LASERS**

### RAMAN SCATTERING

USE RAMAN SPECTRA

### RAMAN SPECTRA

UF RAMAN EFFECT  
  RAMAN SCATTERING  
GS SCATTERING  
  . WAVE SCATTERING  
  . . . ELECTROMAGNETIC SCATTERING  
  . . . **RAMAN SPECTRA**  
  . . . SPECTRA  
  . . . MOLECULAR SPECTRA  
  . . . **RAMAN SPECTRA**  
  . . . RADIATION SPECTRA  
  . . . ELECTROMAGNETIC SPECTRA  
  . . . **RAMAN SPECTRA**

# RANGE (EXTREMES)

**RAMAN SPECTRA-(CONT.)**  
 RT ABSORPTION SPECTRA  
 EMISSION SPECTRA  
 LIGHT (VISIBLE RADIATION)  
 LINE SPECTRA  
 MOLECULAR ROTATION  
 NONLINEAR OPTICS  
 VIBRATIONAL SPECTRA

**RAMAN SPECTROSCOPY**  
 UF COHERENT ANTI-STOKES RAMAN SPECTROSCOPY  
 GS SPECTROSCOPY  
 . MOLECULAR SPECTROSCOPY  
 . **RAMAN SPECTROSCOPY**  
 RT ASTRONOMICAL SPECTROSCOPY  
 INFRARED SPECTROSCOPY  
 LINE SPECTRA  
 OPTOGALVANIC SPECTROSCOPY  
 RAYLEIGH SCATTERING  
 SPECTROSCOPIC ANALYSIS

**RAMJET ENGINES**  
 UF ATHODYDS  
 GS ENGINES  
 . AIR BREATHING ENGINES  
 . GAS TURBINE ENGINES  
 . JET ENGINES  
 . **RAMJET ENGINES**  
 . INTEGRAL ROCKET RAMJETS  
 . LOW VOLUME RAMJET ENGINES  
 . PULSEJET ENGINES  
 . SUPERSONIC COMBUSTION  
 . RAMJET ENGINES  
 . TURBORAMJET ENGINES  
 . INTERNAL COMBUSTION ENGINES  
 . GAS TURBINE ENGINES  
 . JET ENGINES  
 . **RAMJET ENGINES**  
 . INTEGRAL ROCKET RAMJETS  
 . LOW VOLUME RAMJET ENGINES  
 . PULSEJET ENGINES  
 . SUPERSONIC COMBUSTION  
 . RAMJET ENGINES  
 . TURBORAMJET ENGINES  
 . TURBINE ENGINES  
 . GAS TURBINE ENGINES  
 . JET ENGINES  
 . **RAMJET ENGINES**  
 . LOW VOLUME RAMJET ENGINES  
 . PULSEJET ENGINES  
 . SUPERSONIC COMBUSTION  
 . RAMJET ENGINES  
 . TURBORAMJET ENGINES  
 RT DUMP COMBUSTORS  
 HYDROGEN FUELS  
 METEOR 1 ROCKET VEHICLE  
 NAVAHO MISSILE  
 SUPERSONIC LOW ALTITUDE MISSILE  
 TURBOJET ENGINES

**RAMJET MISSILES**  
 GS MISSILES  
 . **RAMJET MISSILES**  
 . NAVAHO MISSILE  
 . SUPERSONIC LOW ALTITUDE MISSILE  
 RT AIR TO AIR MISSILES  
 ANTI-AIRCRAFT MISSILES  
 SUPERSONIC COMBUSTION RAMJET ENGINES  
 SURFACE TO AIR MISSILES  
 SURFACE TO SURFACE MISSILES

**RAMP FUNCTIONS**  
 GS FUNCTIONS (MATHEMATICS)  
 . **RAMP FUNCTIONS**  
 RT DYNAMIC RESPONSE  
 ∞ FREQUENCY RESPONSE  
 ∞ RAMPS  
 REACTION TIME  
 SLOPES  
 STEP FUNCTIONS

∞ **RAMPS**  
 SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT RAMP FUNCTIONS  
 RAMPS (STRUCTURES)

**RAMPS (STRUCTURES)**  
 RT BRIDGES (STRUCTURES)  
 CROSSINGS  
 HIGHWAYS  
 INTAKE SYSTEMS

**RAMPS (STRUCTURES)-(CONT.)**  
 INTERSECTIONS  
 ∞ PARKING  
 ∞ RAMPS  
 SLOPES  
 WHEELCHAIRS

**RAMS (PRESSES)**  
 GS PRESSES  
 . **RAMS (PRESSES)**  
 RT HAMMERS  
 PLATENS  
 PLUNGERS  
 ∞ RAM

**RAMS (PUMPS)**  
 GS PUMPS  
 . **RAMS (PUMPS)**  
 RT PLUNGERS  
 ∞ RAM  
 WATER HAMMER

**RAMSAUER EFFECT**  
 RT ∞ EFFECTS  
 ELECTRON SCATTERING  
 ∞ INTERFERENCE  
 NEGATIVE RESISTANCE DEVICES  
 RARE GASES  
 SCATTERING CROSS SECTIONS

**RAND PROJECT**  
 GS PROGRAMS  
 . PROJECTS  
 . **RAND PROJECT**  
 RT OPERATIONS RESEARCH

**RANDOM ACCESS**  
 RT ALOHA SYSTEM  
 COMPUTER STORAGE DEVICES  
 INPUT/OUTPUT ROUTINES  
 RANDOM ACCESS MEMORY  
 RANDOM PROCESSES

**RANDOM ACCESS MEMORY**  
 GS COMPUTER STORAGE DEVICES  
 . **RANDOM ACCESS MEMORY**  
 . CORE STORAGE  
 RT RANDOM ACCESS

**RANDOM DISTRIBUTIONS**  
 USE STATISTICAL DISTRIBUTIONS

**RANDOM ERRORS**  
 GS ERRORS  
 . **RANDOM ERRORS**  
 RT BCH CODES  
 ∞ DISPERSION  
 PROBABILITY THEORY  
 QUALITY CONTROL  
 SAMPLING  
 STOCHASTIC PROCESSES

**RANDOM LOADS**  
 GS LOADS (FORCES)  
 . **RANDOM LOADS**  
 . GUST LOADS  
 RT CONTACT LOADS  
 DYNAMIC LOADS  
 IMPACT LOADS  
 STATIC LOADS  
 STRUCTURAL DESIGN CRITERIA  
 TRANSIENT LOADS

**RANDOM NOISE**  
 UF GAUSSIAN NOISE  
 GS **RANDOM NOISE**  
 . RANDOM SIGNALS  
 RT BACKGROUND NOISE  
 CHANNEL NOISE  
 COMMUNICATION THEORY  
 ELECTROMAGNETIC NOISE  
 ∞ NOISE  
 NOISE (SOUND)  
 NOISE GENERATORS  
 NOISE SPECTRA  
 PROBABILITY THEORY  
 PSEUDONOISE  
 SIGNAL TO NOISE RATIOS  
 STOCHASTIC PROCESSES  
 WHITE NOISE

**RANDOM NUMBERS**  
 RT MATHEMATICAL TABLES  
 ∞ NUMBERS

**RANDOM NUMBERS-(CONT.)**  
 PSEUDORANDOM SEQUENCES

**RANDOM PROCESSES**  
 GS STOCHASTIC PROCESSES  
 . **RANDOM PROCESSES**  
 . RANDOM WALK  
 RT COMMUNICATION THEORY  
 INFORMATION THEORY  
 INTERMITTENCY  
 MARKOV PROCESSES  
 MONTE CARLO METHOD  
 RANDOM ACCESS  
 STATISTICAL ANALYSIS

**RANDOM SAMPLING**  
 GS SAMPLING  
 . **RANDOM SAMPLING**  
 RT QUALITY CONTROL

**RANDOM SIGNALS**  
 GS RANDOM NOISE  
 . **RANDOM SIGNALS**  
 RT NOISE SPECTRA  
 SIGNAL TO NOISE RATIOS  
 ∞ SIGNALS  
 STOCHASTIC PROCESSES

**RANDOM VARIABLES**  
 RT FUNCTIONS (MATHEMATICS)  
 SHANNON-WIENER MEASURE  
 ∞ STATISTICS  
 ∞ VARIABLE

**RANDOM VIBRATION**  
 GS VIBRATION  
 . **RANDOM VIBRATION**  
 RT BENDING VIBRATION  
 FLUTTER  
 FORCED VIBRATION  
 LATTICE VIBRATIONS  
 LINEAR VIBRATION  
 MISSILE VIBRATION  
 NOISE (SOUND)  
 SELF INDUCED VIBRATION  
 STRUCTURAL VIBRATION  
 TORSIONAL VIBRATION

**RANDOM WALK**  
 GS STOCHASTIC PROCESSES  
 . RANDOM PROCESSES  
 . **RANDOM WALK**  
 RT MARKOV CHAINS  
 MONTE CARLO METHOD

∞ **RANGE**  
 SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT DISTANCE  
 ORBITAL POSITION ESTIMATION  
 RANGE (EXTREMES)  
 RANGES (FACILITIES)

**RANGE (EXTREMES)**  
 UF EXTREMA  
 GUMBEL THEORY  
 GS **RANGE (EXTREMES)**  
 . FREQUENCY RANGES  
 . OCTAVES  
 . RADIO RANGE  
 . SUBAUDIBLE FREQUENCIES  
 . PROPORTIONAL LIMIT  
 . ROCHE LIMIT  
 RT CONFIDENCE LIMITS  
 CONSTRAINTS  
 DISTANCE  
 DOMAINS  
 DYNAMIC CHARACTERISTICS  
 ERRORS  
 FUNCTIONS (MATHEMATICS)  
 HETEROGENEITY  
 HORIZON  
 INTEGRAL EQUATIONS  
 ∞ LIMITS  
 MAXIMA  
 MEAN  
 MINIMA  
 OPTIMIZATION  
 QUALITY CONTROL  
 ∞ RANGE  
 SENSITIVITY  
 STANDARD DEVIATION  
 STATISTICAL TESTS  
 TOLERANCES (MECHANICS)



## RANGE AND RANGE RATE TRACKING

### RANGE (EXTREMES)-(CONT.)

TOLERANCES (PHYSIOLOGY)  
 $\infty$  TRAVEL  
 VARIABILITY  
 VARIANCE (STATISTICS)

### RANGE AND RANGE RATE TRACKING

GS DISTANCE  
 . RANGE AND RANGE RATE TRACKING  
 RADAR  
 . RANGE AND RANGE RATE TRACKING  
 TRACKING (POSITION)  
 . RANGE AND RANGE RATE TRACKING  
 RT GLOBAL TRACKING NETWORK  
 MISSILE TRACKING  
 NORTH AMERICAN SEARCH AND  
 RANGING RADAR  
 OPTICAL TRACKING  
 RADAR TRACKING  
 RADIO TRACKING  
 SATELLITE TRACKING  
 STDN (NETWORK)

### RANGE CONTROL

USE TRAJECTORY CONTROL

### RANGE ERRORS

SN (EXCLUDES ERRORS IN DISTANCE  
 TRAVELED-LIMITED TO ERRORS IN  
 DISTANCE MEASUREMENT)  
 GS ERRORS  
 . RANGE ERRORS  
 RT ACCURACY  
 BORESIGHT ERROR  
 DISTANCE MEASURING EQUIPMENT  
 ERROR ANALYSIS  
 ERROR SIGNALS

### RANGE FINDERS

UF RANGE INDICATORS  
 GS MEASURING INSTRUMENTS  
 . DISTANCE MEASURING EQUIPMENT  
 . RANGE FINDERS  
 . . . OPTICAL RANGE FINDERS  
 . . . . LASER RANGE FINDERS  
 RT ALTIMETERS  
 FIRE CONTROL  
 GEODIMETERS  
 LASER RANGER/TRACKER  
 LUNAR RANGEFINDING  
 NAVIGATION AIDS  
 POSITION INDICATORS  
 RADAR EQUIPMENT  
 RANGEFINDING  
 SOUND LOCALIZATION  
 SPACE PERCEPTION  
 STADIMETERS  
 TELLUROMETERS

### RANGE INDICATORS

USE RANGE FINDERS

### RANGE MEASUREMENT

USE RANGEFINDING

### RANGE RESOURCES

GS RESOURCES  
 . EARTH RESOURCES  
 . RANGE RESOURCES

### RANGE SAFETY

GS SAFETY  
 . RANGE SAFETY  
 RT AEROSPACE SAFETY  
 IMPACT PREDICTION  
 MISSILE RANGES  
 TEST RANGES  
 TRAJECTORY CONTROL

### RANGEFINDING

UF RANGE MEASUREMENT  
 RANGING  
 GS RANGEFINDING  
 . AIRBORNE RANGE AND ORBIT  
 DETERMINATION  
 . LUNAR RANGEFINDING  
 . SOUND RANGING  
 RT BALLISTIC CAMERAS  
 LASER RANGER/TRACKER  
 MAROTS (ESA)  
 $\infty$  MEASUREMENT  
 RADAR MEASUREMENT  
 RADAR TRACKING  
 RADIO TRACKING

### RANGEFINDING-(CONT.)

RANGE FINDERS  
 TRACKING (POSITION)

### RANGELANDS

GS LAND  
 . RANGELANDS  
 RT CATTLE  
 GRASSLANDS  
 GRAZING  
 LIVESTOCK  
 RURAL AREAS  
 RURAL LAND USE

### RANGEMASTER AIRCRAFT

USE G-1 AIRCRAFT

### RANGER BLOCK 3 TELEVISION SYSTEM

GS COMMUNICATION EQUIPMENT  
 . SPACECRAFT TELEVISION  
 . . RANGER BLOCK 3 TELEVISION  
 SYSTEM  
 TELECOMMUNICATION  
 . SPACECRAFT TELEVISION  
 . . RANGER BLOCK 3 TELEVISION  
 SYSTEM  
 TELEVISION SYSTEMS  
 . SPACECRAFT TELEVISION  
 . . RANGER BLOCK 3 TELEVISION  
 SYSTEM  
 RT  $\infty$  SYSTEMS

### RANGER LUNAR LANDING VEHICLES

GS LUNAR SPACECRAFT  
 . LUNAR PROBES  
 . . RANGER LUNAR PROBES  
 . . . RANGER LUNAR LANDING  
 VEHICLES  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . . LUNAR PROBES  
 . . . RANGER LUNAR PROBES  
 . . . . RANGER LUNAR LANDING  
 VEHICLES  
 RT BE-3 ENGINE  
 $\infty$  VEHICLES

### RANGER LUNAR PROBES

UF RANGER SATELLITES  
 GS LUNAR SPACECRAFT  
 . LUNAR PROBES  
 . . RANGER LUNAR PROBES  
 . . . RANGER LUNAR LANDING  
 VEHICLES  
 . . . RANGER 1 LUNAR PROBE  
 . . . RANGER 2 LUNAR PROBE  
 . . . RANGER 3 LUNAR PROBE  
 . . . RANGER 4 LUNAR PROBE  
 . . . RANGER 5 LUNAR PROBE  
 . . . RANGER 6 LUNAR PROBE  
 . . . RANGER 7 LUNAR PROBE  
 . . . RANGER 8 LUNAR PROBE  
 . . . RANGER 9 LUNAR PROBE  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . . LUNAR PROBES  
 . . . RANGER LUNAR PROBES  
 . . . . RANGER LUNAR LANDING  
 VEHICLES  
 . . . . RANGER 1 LUNAR PROBE  
 . . . . RANGER 2 LUNAR PROBE  
 . . . . RANGER 3 LUNAR PROBE  
 . . . . RANGER 4 LUNAR PROBE  
 . . . . RANGER 5 LUNAR PROBE  
 . . . . RANGER 6 LUNAR PROBE  
 . . . . RANGER 7 LUNAR PROBE  
 . . . . RANGER 8 LUNAR PROBE  
 . . . . RANGER 9 LUNAR PROBE  
 RT ATLAS AGENA B LAUNCH VEHICLE

### RANGER PROJECT

GS PROGRAMS  
 . NASA PROGRAMS  
 . . NASA SPACE PROGRAMS  
 . . . RANGER PROJECT  
 . . . . AGENA B RANGER PROGRAM  
 . . . . PROJECTS  
 . . . . RANGER PROJECT  
 . . . . . AGENA B RANGER PROGRAM  
 . . . . . SPACE PROGRAMS  
 . . . . . NASA SPACE PROGRAMS  
 . . . . . RANGER PROJECT  
 . . . . . . AGENA B RANGER PROGRAM  
 RT AGENA B ROCKET VEHICLE  
 AGENA ROCKET VEHICLES

### RANGER PROJECT-(CONT.)

ATLAS LAUNCH VEHICLES  
 LUNAR PHOTOGRAPHS  
 LUNAR PHOTOGRAPHY  
 LUNAR PROBES

### RANGER SATELLITES

USE RANGER LUNAR PROBES

### RANGER 1 LUNAR PROBE

GS LUNAR SPACECRAFT  
 . LUNAR PROBES  
 . . RANGER LUNAR PROBES  
 . . . RANGER 1 LUNAR PROBE  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . . LUNAR PROBES  
 . . . RANGER LUNAR PROBES  
 . . . . RANGER 1 LUNAR PROBE

### RANGER 2 LUNAR PROBE

GS LUNAR SPACECRAFT  
 . LUNAR PROBES  
 . . RANGER LUNAR PROBES  
 . . . RANGER 2 LUNAR PROBE  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . . LUNAR PROBES  
 . . . RANGER LUNAR PROBES  
 . . . . RANGER 2 LUNAR PROBE

### RANGER 3 LUNAR PROBE

GS LUNAR SPACECRAFT  
 . LUNAR PROBES  
 . . RANGER LUNAR PROBES  
 . . . RANGER 3 LUNAR PROBE  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . . LUNAR PROBES  
 . . . RANGER LUNAR PROBES  
 . . . . RANGER 3 LUNAR PROBE

### RANGER 4 LUNAR PROBE

GS LUNAR SPACECRAFT  
 . LUNAR PROBES  
 . . RANGER LUNAR PROBES  
 . . . RANGER 4 LUNAR PROBE  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . . LUNAR PROBES  
 . . . RANGER LUNAR PROBES  
 . . . . RANGER 4 LUNAR PROBE  
 RT ATLAS AGENA B LAUNCH VEHICLE

### RANGER 5 LUNAR PROBE

GS LUNAR SPACECRAFT  
 . LUNAR PROBES  
 . . RANGER LUNAR PROBES  
 . . . RANGER 5 LUNAR PROBE  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . . LUNAR PROBES  
 . . . RANGER LUNAR PROBES  
 . . . . RANGER 5 LUNAR PROBE

### RANGER 6 LUNAR PROBE

GS LUNAR SPACECRAFT  
 . LUNAR PROBES  
 . . RANGER LUNAR PROBES  
 . . . RANGER 6 LUNAR PROBE  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . . LUNAR PROBES  
 . . . RANGER LUNAR PROBES  
 . . . . RANGER 6 LUNAR PROBE

### RANGER 7 LUNAR PROBE

GS LUNAR SPACECRAFT  
 . LUNAR PROBES  
 . . RANGER LUNAR PROBES  
 . . . RANGER 7 LUNAR PROBE  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . . LUNAR PROBES  
 . . . RANGER LUNAR PROBES  
 . . . . RANGER 7 LUNAR PROBE

### RANGER 8 LUNAR PROBE

GS LUNAR SPACECRAFT  
 . LUNAR PROBES  
 . . RANGER LUNAR PROBES  
 . . . RANGER 8 LUNAR PROBE  
 UNMANNED SPACECRAFT  
 . SPACE PROBES

**RANGER 8 LUNAR PROBE-(CONT.)**

- ... LUNAR PROBES
- ... RANGER LUNAR PROBES
- ... **RANGER 8 LUNAR PROBE**

**RANGER 9 LUNAR PROBE**

- GS LUNAR SPACECRAFT
- ... LUNAR PROBES
- ... RANGER LUNAR PROBES
- ... **RANGER 9 LUNAR PROBE**
- UNMANNED SPACECRAFT
- ... SPACE PROBES
- ... LUNAR PROBES
- ... RANGER LUNAR PROBES
- ... **RANGER 9 LUNAR PROBE**

**RANGES (FACILITIES)**

- GS **RANGES (FACILITIES)**
- ... TEST RANGES
- ... BALLISTIC RANGES
- ... MISSILE RANGES
- RT RADIO BEACONS
- ∞ RANGE

**RANGING**

- USE RANGEFINDING

**RANK TESTS**

- GS STATISTICAL ANALYSIS
- ... STATISTICAL TESTS
- ... **RANK TESTS**
- RT ∞ TESTS

**RANKINE CYCLE**

- GS CYCLES
- ... THERMODYNAMIC CYCLES
- ... **RANKINE CYCLE**
- RT ASTEC SOLAR TURBOELECTRIC GENERATOR
- BRAYTON CYCLE
- CARNOT CYCLE
- LASER PROPULSION
- OTTO CYCLE
- SOLAR DYNAMIC POWER SYSTEMS
- SOLAR GENERATORS
- THERMODYNAMICS

**RANKINE-HUGONIOT RELATION**

- RT AEROTHERMODYNAMICS
- ∞ DENSITY
- PRESSURE GRADIENTS
- SHOCK WAVE PROPAGATION

**RANKING**

- RT ARRAYS
- COMPARISON
- EVALUATION
- RATINGS
- SELECTION
- SEQUENCING
- VALUE

**RAOULT LAW**

- RT COMPOSITION (PROPERTY)
- HENRY LAW
- PARTIAL PRESSURE SOLUTIONS
- VAPOR PRESSURE

**RAPCON (CONTROL)**

- USE RADAR APPROACH CONTROL

**RAPID BALLISTICS IDENTIFICATION**

- GS IDENTIFYING
- ... **RAPID BALLISTICS IDENTIFICATION**
- RT DISPLAY DEVICES
- IMAGING TECHNIQUES
- LASER APPLICATIONS
- LASERS
- MEASURING INSTRUMENTS
- PHOTOGRAPHY
- SCANNING
- STIMULATED EMISSION
- STIMULATED EMISSION DEVICES

**RAPID EYE MOVEMENT STATE**

- UF DESYNCHRONIZED SLEEP
- REMS
- RT DREAMS
- EYE MOVEMENTS
- SLEEP

**RAPID QUENCHING (METALLURGY)**

- UF RAPID SOLIDIFICATION

**RAPID QUENCHING (METALLURGY)-(CONT.)**

- RT CRYSTAL GROWTH
- CRYSTAL LATTICES
- CRYSTAL STRUCTURE
- ∞ METALLURGY
- ∞ QUENCHING

**RAPID SOLIDIFICATION**

- USE RAPID QUENCHING (METALLURGY)
- SOLIDIFICATION

**RAPID TRANSIT SYSTEMS**

- UF HIGH SPEED TRANSPORTATION
- GS TRANSPORTATION
- ... **RAPID TRANSIT SYSTEMS**
- RT AIR TRANSPORTATION
- AUTOMATED GUIDEWAY TRANSIT
- VEHICLES
- AUTOMATED TRANSIT VEHICLES
- CARGO
- GROUND EFFECT MACHINES
- HIGHWAYS
- LOGISTICS
- PASSENGERS
- RAIL TRANSPORTATION
- RAILS
- ROADS
- ∞ SYSTEMS
- ∞ TRANSPORT VEHICLES
- TRANSPORTATION NETWORKS
- URBAN TRANSPORTATION

**RAPIDS**

- RT MEANDERS
- RIVER BASINS
- RIVERS
- STREAMS
- WATER CURRENTS
- WATER FLOW

**RARE EARTH ALLOYS**

- GS ALLOYS
- ... **RARE EARTH ALLOYS**
- ... ERBIUM ALLOYS
- ... GADOLINIUM ALLOYS
- ... LANTHANUM ALLOYS
- ... NEODYMIUM ALLOYS
- RT YTTRIUM ALLOYS

**RARE EARTH COMPOUNDS**

- GS **RARE EARTH COMPOUNDS**
- ... CERIUM COMPOUNDS
- ... BASTNASITE
- ... CERIUM OXIDES
- ... DYSPROSIUM COMPOUNDS
- ... ERBIUM COMPOUNDS
- ... EUROPIUM COMPOUNDS
- ... LANTHANUM TELLURIDES
- ... LUTETIUM COMPOUNDS
- ... NEODYMIUM COMPOUNDS
- ... SAMARIUM COMPOUNDS
- ... SCANDIUM COMPOUNDS
- ... SCANDIUM OXIDES
- ... TERBIUM COMPOUNDS
- ... THULIUM COMPOUNDS
- ... YTTERBIUM COMPOUNDS
- RT ∞ CHEMICAL COMPOUNDS
- ∞ GROUP 3B COMPOUNDS
- ∞ METAL COMPOUNDS

**RARE EARTH ELEMENTS**

- UF LANTHANIDE SERIES METALS
- GS CHEMICAL ELEMENTS
- ... **RARE EARTH ELEMENTS**
- ... CERIUM
- ... CERIUM ISOTOPES
- ... CERIUM 137
- ... CERIUM 144
- ... DYSPROSIUM
- ... DYSPROSIUM ISOTOPES
- ... ERBIUM
- ... ERBIUM ISOTOPES
- ... EUROPIUM
- ... EUROPIUM ISOTOPES
- ... GADOLINIUM
- ... GADOLINIUM ISOTOPES
- ... HOLMIUM
- ... HOLMIUM ISOTOPES
- ... LANTHANUM
- ... LANTHANUM ISOTOPES
- ... LUTETIUM
- ... LUTETIUM ISOTOPES
- ... NEODYMIUM
- ... NEODYMIUM ISOTOPES
- ... PRASEODYMIUM

**RARE EARTH ELEMENTS-(CONT.)**

- ... PRASEODYMIUM ISOTOPES
- ... PROMETHIUM
- ... PROMETHIUM ISOTOPES
- ... SAMARIUM
- ... SAMARIUM ISOTOPES
- ... SCANDIUM
- ... SCANDIUM ISOTOPES
- ... TERBIUM
- ... TERBIUM ISOTOPES
- ... THULIUM
- ... THULIUM ISOTOPES
- ... YTTERBIUM
- ... YTTERBIUM ISOTOPES
- ... YTTRIUM
- ... YTTRIUM ISOTOPES

**METALS**

**RARE EARTH ELEMENTS**

- ... CERIUM
- ... CERIUM ISOTOPES
- ... CERIUM 137
- ... CERIUM 144
- ... DYSPROSIUM
- ... DYSPROSIUM ISOTOPES
- ... ERBIUM
- ... ERBIUM ISOTOPES
- ... EUROPIUM
- ... EUROPIUM ISOTOPES
- ... GADOLINIUM
- ... GADOLINIUM ISOTOPES
- ... HOLMIUM
- ... HOLMIUM ISOTOPES
- ... LANTHANUM
- ... LANTHANUM ISOTOPES
- ... LUTETIUM
- ... LUTETIUM ISOTOPES
- ... NEODYMIUM
- ... NEODYMIUM ISOTOPES
- ... PRASEODYMIUM
- ... PRASEODYMIUM ISOTOPES
- ... PROMETHIUM
- ... PROMETHIUM ISOTOPES
- ... SAMARIUM
- ... SAMARIUM ISOTOPES
- ... SCANDIUM
- ... SCANDIUM ISOTOPES
- ... TERBIUM
- ... TERBIUM ISOTOPES
- ... THULIUM
- ... THULIUM ISOTOPES
- ... YTTERBIUM
- ... YTTERBIUM ISOTOPES
- ... YTTRIUM
- ... YTTRIUM ISOTOPES
- RT ALKALI VAPOR LAMPS
- KREEP
- NEODYMIUM LASERS
- TRANSITION METALS

**∞ RARE GAS COMPOUNDS**

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)
- RT ∞ CHEMICAL COMPOUNDS
- EXCIMER LASERS
- EXCIMERS
- HELIUM COMPOUNDS
- XENON COMPOUNDS

**RARE GAS-HALIDE LASERS**

- GS STIMULATED EMISSION DEVICES
- ... LASERS
- ... **RARE GAS-HALIDE LASERS**
- ... KRYPTON FLUORIDE LASERS
- ... XENON CHLORIDE LASERS
- ... XENON FLUORIDE LASERS
- RT COHERENT LIGHT
- GAS LASERS
- LASER PUMPING
- LASING
- LIGHT BEAMS
- OPTICAL PUMPING
- STIMULATED EMISSION

**RARE GASES**

- UF INERT GASES
- NOBLE GASES
- GS CHEMICAL ELEMENTS
- ... **RARE GASES**
- ... ARGON
- ... ARGON ISOTOPES
- ... HELIUM
- ... HELIUM ISOTOPES
- ... LIQUID HELIUM
- ... LIQUID HELIUM 2

## RAREFACTION

### RARE GASES-(CONT.)

- . KRYPTON
- . KRYPTON ISOTOPES
- . KRYPTON 85
- . NEON
- . LIQUID NEON
- . NEON ISOTOPES
- . RADON
- . RADON ISOTOPES
- . XENON
- . XENON ISOTOPES
- . XENON 129
- . XENON 133
- . XENON 135

#### GASES

##### RARE GASES

- . ARGON
- . ARGON ISOTOPES
- . HELIUM
- . HELIUM ISOTOPES
- . LIQUID HELIUM
- . LIQUID HELIUM 2
- . KRYPTON
- . KRYPTON ISOTOPES
- . KRYPTON 85
- . NEON
- . LIQUID NEON
- . NEON ISOTOPES
- . RADON
- . RADON ISOTOPES
- . XENON
- . XENON ISOTOPES
- . XENON 129
- . XENON 133
- . XENON 135

RT MONATOMIC GASES  
NONPOLAR GASES  
RAMSAUER EFFECT

### RAREFACTION

RT ANTINODES  
COMPRESSING  
ELASTIC WAVES  
EXPANSION  
VACUUM

### RAREFACTION WAVES

USE ELASTIC WAVES

### RAREFIED GAS DYNAMICS

GS FLUID MECHANICS  
FLUID DYNAMICS  
GAS DYNAMICS  
RAREFIED GAS DYNAMICS  
RT ATOMIC BEAMS  
CHAPMAN-ENSKOG THEORY  
CONTINUUM FLOW  
DYNAMICS  
FREE MOLECULAR FLOW  
KNUDSEN FLOW  
LOW DENSITY FLOW  
LOW DENSITY WIND TUNNELS  
MOLECULAR BEAMS  
MOLECULAR FLOW  
PLASMAS (PHYSICS)  
SLIP FLOW  
TRANSITION FLOW

### RAREFIED GASES

UF LOW DENSITY GASES  
GS GASES  
RAREFIED GASES  
COSMIC GASES  
INTERPLANETARY GAS  
INTERSTELLAR GAS  
NEUTRAL GASES  
RT ELECTRON GAS  
FREE MOLECULAR FLOW  
GAS DENSITY  
GAS TEMPERATURE  
HIGH TEMPERATURE GASES  
LOW DENSITY FLOW  
LOW DENSITY RESEARCH  
MOLECULAR GASES

### RAREFIED PLASMAS

GS GASES  
RAREFIED PLASMAS  
PARTICLES  
CHARGED PARTICLES  
ENERGETIC PARTICLES  
PLASMAS (PHYSICS)  
RAREFIED PLASMAS  
RT CATHODE GLOW  
COLD PLASMAS

### RAREFIED PLASMAS-(CONT.)

COLLISIONLESS PLASMAS  
ELECTRON PLASMA  
NONUNIFORM PLASMAS

### RASERS

USE MASERS

### RASTER SCANNING

GS IMAGING TECHNIQUES  
RASTER SCANNING  
SCANNING  
RASTER SCANNING  
RT CATHODE RAY TUBES  
COMPUTER GRAPHICS  
DISPLAY DEVICES  
IMAGE PROCESSING  
IMAGES  
PICTURE TUBES  
TELEVISION CAMERAS

### RATE METERS

USE MEASURING INSTRUMENTS

### RATE OF CLIMB INDICATORS

GS AIRCRAFT INSTRUMENTS  
RATE OF CLIMB INDICATORS  
RT ALTIMETERS  
FLIGHT INSTRUMENTS  
INDICATORS

### RATES (PER TIME)

GS RATES (PER TIME)  
ACCELERATION (PHYSICS)  
ANGULAR ACCELERATION  
DECELERATION  
SPIN REDUCTION  
ELECTRON ACCELERATION  
HIGH ACCELERATION  
HIGH GRAVITY ENVIRONMENTS  
IMPACT ACCELERATION  
PARTICLE ACCELERATION  
PLASMA ACCELERATION  
TRANSVERSE ACCELERATION  
ACOUSTIC VELOCITY  
AIRSPEED  
ANGULAR VELOCITY  
BIT ERROR RATE  
BURNING RATE  
COLLISION PARAMETERS  
COLLISION RATES  
CRITICAL VELOCITY  
DECAY RATES  
ELECTRON DECAY RATE  
DRIFT RATE  
ESCAPE VELOCITY  
EVAPORATION RATE  
EXHAUST VELOCITY  
FLOW VELOCITY  
SOLAR WIND VELOCITY  
FLUX (RATE)  
HEAT FLUX  
MAGNETIC FLUX  
SOLAR FLUX  
FLUX DENSITY  
CURRENT DENSITY  
PHOTON DENSITY  
RADIANT FLUX DENSITY  
IRRADIANCE  
ILLUMINANCE  
SOLAR CONSTANT  
LUMENS  
LUMINOUS INTENSITY  
ILLUMINANCE  
LUMINANCE  
PARTICLE FLUX DENSITY  
ELECTRON FLUX DENSITY  
NEUTRON FLUX DENSITY  
PROTON FLUX DENSITY  
RADIANCE  
RADIANCY  
SOLAR FLUX DENSITY  
SOLAR CONSTANT  
SOUND INTENSITY  
ZERO SOUND  
GROUND SPEED  
GROUP VELOCITY  
HEART RATE  
ARRHYTHMIA  
BRADYCARDIA  
TACHYCARDIA  
HIGH SPEED  
HYPERSONIC SPEED  
ION PRODUCTION RATES  
LANDING SPEED

### RATES (PER TIME)-(CONT.)

LIGHT SPEED  
LOADING RATE  
LOW SPEED  
MASS FLOW RATE  
ORBITAL VELOCITY  
PHASE VELOCITY  
PHYSIOLOGICAL ACCELERATION  
PROPAGATION VELOCITY  
PULSE RATE  
PULSE REPETITION RATE  
RADIAL VELOCITY  
RECOMBINATION COEFFICIENT  
RELATIVISTIC VELOCITY  
RESPIRATORY RATE  
DYSPNEA  
HYPOVENTILATION  
TACHYPNEA  
ROTOR SPEED  
SIGNAL FADING RATE  
SOLAR VELOCITY  
STRAIN ENERGY RELEASE RATE  
STRAIN RATE  
SUBSONIC SPEED  
SUPERSONIC SPEED  
SYSTOLE  
TERMINAL VELOCITY  
TIP SPEED  
TRANSONIC SPEED  
WIND VELOCITY  
SOLAR WIND VELOCITY

RT ACCESS TIME  
MTBF  
SOLITARY WAVES  
TIME FUNCTIONS  
TIME MEASUREMENT  
VOLUME

### RATINGS

RT ASSESSMENTS  
CONSISTENCY  
EVALUATION  
NORMALIZING (STATISTICS)  
PERFORMANCE  
POSITION (TITLE)  
RANKING

### RATIOMETERS

GS MEASURING INSTRUMENTS  
RATIOMETERS

### RATIONAL FUNCTIONS

GS ANALYSIS (MATHEMATICS)  
COMPLEX VARIABLES  
MEROMORPHIC FUNCTIONS  
RATIONAL FUNCTIONS  
FUNCTIONS (MATHEMATICS)  
MEROMORPHIC FUNCTIONS  
RATIONAL FUNCTIONS

### RATIONS

GS RATIONS  
SPACE RATIONS  
RT FOOD

### RATIOS

UF PERCENTAGE  
GS RATIOS  
ASPECT RATIO  
HIGH ASPECT RATIO  
LOW ASPECT RATIO  
COMPRESSION RATIO  
DIMENSIONLESS NUMBERS  
BIOT NUMBER  
FROUDE NUMBER  
GRASHOF NUMBER  
HARTMANN NUMBER  
LAVAL NUMBER  
LEWIS NUMBERS  
MACH NUMBER  
NUSSELT NUMBER  
PECLET NUMBER  
PRANDTL NUMBER  
RAYLEIGH NUMBER  
REYNOLDS NUMBER  
HIGH REYNOLDS NUMBER  
LOW REYNOLDS NUMBER  
RICHARDSON NUMBER  
SCHMIDT NUMBER  
SIMILARITY NUMBERS  
STANTON NUMBER  
STROUHAL NUMBER  
FINENESS RATIO  
FUEL-AIR RATIO  
INDEXES (RATIOS)

# RCA-110 COMPUTERS

## RATIOS-(CONT.)

.. KP INDEX  
.. LEAF AREA INDEX  
.. MORPHOLOGICAL INDEXES  
.. LIFT DRAG RATIO  
.. MASS RATIOS  
.. MASS TO LIGHT RATIOS  
.. PAYLOAD MASS RATIO  
.. PROPELLANT MASS RATIO  
.. MILLS RATIO  
.. MODULAR RATIOS  
.. PERVEANCE  
.. POISSON RATIO  
.. PRESSURE RATIO  
.. SCALE (RATIO)  
.. SIGNAL TO NOISE RATIOS  
.. STANDING WAVE RATIOS  
.. STRESS RATIO  
.. THICKNESS RATIO  
.. THRUST-WEIGHT RATIO  
.. VOID RATIO  
RT EFFICIENCY  
FRACTALS  
FRACTIONS  
PROPORTION  
PSYCHOLOGICAL TESTS  
REFRACTIVITY  
TEMPERATURE RATIO

## RATS

GS ANIMALS  
.. VERTEBRATES  
.. MAMMALS  
.. RODENTS  
.. RATS  
RT MICE  
POCKET MICE

## RATSCAT PROGRAM

USE RADAR TARGET SCATTER SITE PROGRAM

## RAVEN HELICOPTER

USE OH-23 HELICOPTER

## RAVINES

GS LANDFORMS  
.. RAVINES  
RT CANYONS  
EROSION  
RIVER BASINS  
TOPOGRAPHY  
VALLEYS  
WATER EROSION

## RAWINSONDES

GS MEASURING INSTRUMENTS  
.. METEOROLOGICAL INSTRUMENTS  
.. RADIOSONDES  
.. RAWINSONDES  
.. SONDES  
.. RADIOSONDES  
.. RAWINSONDES  
RADIO EQUIPMENT  
.. RADIO TRANSMITTERS  
.. RADIOSONDES  
.. RAWINSONDES  
TRANSMITTERS  
.. RADIO TRANSMITTERS  
.. RADIOSONDES  
.. RAWINSONDES  
RT DROPSONDES  
METEOROLOGICAL BALLOONS  
RADAR TRACKING  
RADIO TRACKING  
WIND MEASUREMENT

## RAY ACOUSTICS

USE GEOMETRICAL ACOUSTICS

## RAY OPTICS

USE GEOMETRICAL OPTICS

## RAY TRACING

RT DIFFRACTION  
GEOMETRICAL OPTICS  
GEOMETRICAL THEORY OF  
DIFFRACTION  
GRADIENT INDEX OPTICS  
GRAZING INCIDENCE  
OPTICAL MEASUREMENT  
REFLECTANCE  
TRACKING (POSITION)  
TRANSMITTANCE

## RAYLEIGH DISTRIBUTION

GS FUNCTIONS (MATHEMATICS)  
.. PROBABILITY DENSITY FUNCTIONS  
.. RAYLEIGH DISTRIBUTION  
STATISTICAL ANALYSIS  
.. PROBABILITY DENSITY FUNCTIONS  
.. RAYLEIGH DISTRIBUTION  
STATISTICAL DISTRIBUTIONS  
.. RAYLEIGH DISTRIBUTION  
RT ERROR ANALYSIS  
OPERATIONS RESEARCH  
RADIAL DISTRIBUTION

## RAYLEIGH EQUATIONS

RT  $\infty$  EQUATIONS  
FLOW EQUATIONS  
HEAT TRANSFER  
THERMODYNAMICS

## RAYLEIGH NUMBER

GS RATIOS  
.. DIMENSIONLESS NUMBERS  
.. RAYLEIGH NUMBER  
RT BENARD CELLS  
BUOYANCY  
RAYLEIGH-BENARD CONVECTION

## RAYLEIGH SCATTERING

GS SCATTERING  
.. WAVE SCATTERING  
.. ELECTROMAGNETIC SCATTERING  
.. MIE SCATTERING  
.. RAYLEIGH SCATTERING  
RT AIRGLOW  
GRAY GAS  
LIGHT SCATTERING  
RAMAN SPECTROSCOPY  
SKY

## RAYLEIGH WAVES

GS ELASTIC WAVES  
.. SEISMIC WAVES  
.. RAYLEIGH WAVES  
RT BAROTROPIC FLOW  
FLUID FLOW  
S WAVES  
TWO DIMENSIONAL FLOW

## RAYLEIGH-BENARD CONVECTION

GS CONVECTION  
.. FREE CONVECTION  
.. RAYLEIGH-BENARD CONVECTION  
.. BENARD CELLS  
FLUID FLOW  
.. CONVECTIVE FLOW  
.. RAYLEIGH-BENARD CONVECTION  
.. BENARD CELLS  
RT CONVECTION CURRENTS  
CONVECTIVE HEAT TRANSFER  
FORCED CONVECTION  
HOT SURFACES  
LAMINAR FLOW  
RAYLEIGH NUMBER  
THERMAL BOUNDARY LAYER

## RAYLEIGH-RITZ METHOD

GS ANALYSIS (MATHEMATICS)  
.. NUMERICAL ANALYSIS  
.. APPROXIMATION  
.. RAYLEIGH-RITZ METHOD  
RT  $\infty$  METHODOLOGY  
VARIATIONAL PRINCIPLES

## RAYON

GS FIBERS  
.. SYNTHETIC FIBERS  
.. RAYON  
TEXTILES  
.. RAYON

## $\infty$ RAYS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT ATMOSPHERIC RADIATION  
BACKGROUND NOISE  
BEAMS (RADIATION)  
CAUSTICS (OPTICS)  
COHERENT RADIATION  
CONTINUOUS RADIATION  
CORPUSCULAR RADIATION  
ELECTROMAGNETIC RADIATION  
EXTRATERRESTRIAL RADIATION  
GAMMA RAYS  
LUNAR RAYS

## RAYS-(CONT.)

POLARIZED RADIATION  
PULSED RADIATION

## RAYTHEON COMPUTERS

GS DATA PROCESSING EQUIPMENT  
.. COMPUTERS  
.. DIGITAL COMPUTERS  
.. RAYTHEON COMPUTERS

## RAZOR BLADES

GS CUTTERS  
.. BLADES (CUTTERS)  
.. RAZOR BLADES

## RB-47 AIRCRAFT

USE B-47 AIRCRAFT

## RB-50 AIRCRAFT

UF SUPER FORTRESS AIRCRAFT  
GS BOEING AIRCRAFT  
.. RB-50 AIRCRAFT  
.. MONOPLANES  
.. RB-50 AIRCRAFT  
.. OBSERVATION AIRCRAFT  
.. RB-50 AIRCRAFT  
.. RECONNAISSANCE AIRCRAFT  
.. RB-50 AIRCRAFT  
RT  $\infty$  AIRCRAFT  
BOMBER AIRCRAFT  
WEATHER RECONNAISSANCE AIRCRAFT

## RB-57 AIRCRAFT

USE B-57 AIRCRAFT

## RB-66 AIRCRAFT

USE B-66 AIRCRAFT

## RBE

USE RELATIVE BIOLOGICAL EFFECTIVENESS (RBE)

## RC CIRCUITS

UF RC NETWORKS  
GS CIRCUITS  
.. RC CIRCUITS  
RT CAPACITANCE  
COUPLING CIRCUITS  
DISCRIMINATORS  
ELECTRIC FILTERS  
ELECTRICAL RESISTANCE  
LC CIRCUITS  
NETWORK ANALYSIS  
NETWORK SYNTHESIS  
RLC CIRCUITS  
TIME CONSTANT  
TRANSCONDUCTANCE

## RC NETWORKS

USE RC CIRCUITS

## RCA COMPUTERS

GS DATA PROCESSING EQUIPMENT  
.. COMPUTERS  
.. RCA COMPUTERS  
.. RCA SPECTRA 70 COMPUTER  
.. RCA-110 COMPUTERS  
RT DATA PROCESSING

## RCA SATCOM SATELLITES

GS ARTIFICIAL SATELLITES  
.. COMMUNICATION SATELLITES  
.. RCA SATCOM SATELLITES  
.. COMMERCIAL SPACECRAFT  
.. RCA SATCOM SATELLITES  
RT DELTA LAUNCH VEHICLE  
DOMESTIC SATELLITE COMMUNICATIONS  
SYSTEMS

## RCA SPECTRA 70 COMPUTER

GS DATA PROCESSING EQUIPMENT  
.. COMPUTERS  
.. DIGITAL COMPUTERS  
.. RCA SPECTRA 70 COMPUTER  
.. RCA COMPUTERS  
.. RCA SPECTRA 70 COMPUTER

## RCA-110 COMPUTERS

GS DATA PROCESSING EQUIPMENT  
.. COMPUTERS  
.. RCA COMPUTERS  
.. RCA-110 COMPUTERS

## RCB STARS

### RCB STARS

USE R CORONAE BOREALIS STARS

**RDX**  
 UF CYCLOTRIMETHYLENE TRINITRAMINE  
 TRINITROTRIAZOCYCLOHEXANE  
 GS EXPLOSIVES  
 . **RDX**  
 NITROGEN COMPOUNDS  
 . AZO COMPOUNDS  
 . . **RDX**  
 ORGANIC COMPOUNDS  
 . CYCLIC COMPOUNDS  
 . . HETEROCYCLIC COMPOUNDS  
 . . . **RDX**  
 PROPELLANTS  
 . **RDX**  
 PYROTECHNICS  
 RT SOLID PROPELLANTS  
 SOLID ROCKET PROPELLANTS

**REACTANCE**  
 GS ELECTRICAL PROPERTIES  
 . ELECTRICAL IMPEDANCE  
 . . **REACTANCE**  
 IMPEDANCE  
 . ELECTRICAL IMPEDANCE  
 . . **REACTANCE**  
 CAPACITANCE  
 RT ELECTRICAL RESISTANCE  
 FOSTER THEORY  
 INDUCTANCE  
 SMITH CHART  
 TRANSDUCANCE

**∞ REACTION**  
 SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT CHEMICAL REACTIONS  
 HUMAN REACTIONS  
 IRRITATION  
 NUCLEAR REACTIONS  
 THRUST

**REACTION BONDING**  
 GS BONDING  
 . **REACTION BONDING**  
 RT ALUMINUM  
 CERAMICS  
 CHEMICAL REACTIONS  
 MELTING POINTS  
 NITROGEN  
 OXYGEN  
 POWDER METALLURGY  
 SIALON  
 SILICON  
 SILICON NITRIDES  
 SINTERING

**∞ REACTION CONTROL**  
 SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT CHEMICAL REACTION CONTROL  
 COMBUSTION CONTROL  
 ∞ CONTROL  
 DIRECTIONAL CONTROL  
 MARQUARDT R4D ENGINE  
 NUCLEAR REACTOR CONTROL  
 REACTOR SAFETY  
 THRUST CONTROL

**REACTION JET BACKPACKS**  
 USE SELF MANEUVERING UNITS

**REACTION JETS**  
 USE JET FLOW  
 JET THRUST

**REACTION KINETICS**  
 UF CHEMICAL KINETICS  
 REACTION RATE  
 GS KINETICS  
 . **REACTION KINETICS**  
 RT AMINO RADICAL  
 ASSOCIATION REACTIONS  
 AUTOCATALYSIS  
 CATALYSIS  
 CHEMICAL EQUILIBRIUM  
 CHEMICAL REACTIONS  
 COMBUSTION CHEMISTRY  
 DAMKOLHER NUMBER  
 FISCHER-TROPSCH PROCESS  
 HALF LIFE

### REACTION KINETICS-(CONT.)

HEAT OF DISSOCIATION  
 INTERSTELLAR CHEMISTRY  
 IRREVERSIBLE PROCESSES  
 NITROUS ACID  
 NUCLEAR REACTIONS  
 PRESSURE DEPENDENCE  
 REAGENTS  
 SOLVATION

### REACTION PRODUCTS

GS PRODUCTS  
 . **REACTION PRODUCTS**  
 RT ASHES  
 BY-PRODUCTS  
 COMBUSTION PRODUCTS  
 EFFLUENTS  
 ENGINES  
 EXHAUST GASES  
 FUMES  
 GASES  
 INFRARED SUPPRESSION  
 JET ENGINES  
 PRECIPITATES  
 RESIDUES  
 SLAGS  
 SLUDGE

### REACTION RATE

USE REACTION KINETICS

### REACTION TIME

UF REVERSE TIME  
 GS TIME  
 . **REACTION TIME**  
 . . CHRONAXY  
 RT ADAPTATION  
 CONDITIONED REFLEXES  
 DYNAMIC CHARACTERISTICS  
 DYNAMIC RESPONSE  
 HUMAN REACTIONS  
 PERCEPTUAL TIME CONSTANT  
 PHYSIOLOGICAL EFFECTS  
 PONTYAGIN PRINCIPLE  
 PSYCHOLOGICAL EFFECTS  
 PSYCHOMOTOR PERFORMANCE  
 RAMP FUNCTIONS  
 REFLEXES  
 REFRACTORY PERIOD  
 SENSITIVITY  
 SENSORIMOTOR PERFORMANCE  
 STEP FUNCTIONS  
 TIME CONSTANT  
 TIME LAG

### REACTION WHEELS

UF INERTIA WHEELS  
 GS WHEELS  
 . **REACTION WHEELS**  
 RT ATTITUDE CONTROL  
 COUNTER-ROTATING WHEELS  
 FLYWHEELS

### REACTIVITY

RT CHEMICAL REACTIONS  
 INHOUR EQUATION  
 NUCLEAR REACTIONS

### REACTOR CHEMISTRY

USE RADIOCHEMISTRY

### REACTOR CORES

GS CORES  
 . **REACTOR CORES**  
 RT ANNULAR CORE PULSE REACTORS  
 CONTROL RODS  
 NUCLEAR FUEL ELEMENTS  
 NUCLEAR FUELS  
 NUCLEAR REACTORS  
 ∞ OPERATORS  
 PLASMA CORE REACTORS  
 REFLECTOMETERS  
 REFLECTORS  
 VOID RATIO

### REACTOR DESIGN

RT ANNULAR CORE PULSE REACTORS  
 BLANKETS (FISSION REACTORS)  
 BLANKETS (FUSION REACTORS)  
 CHEMICAL REACTORS  
 COMPUTER AIDED DESIGN  
 ∞ DESIGN  
 ENGINE DESIGN  
 ENGINEERING TEST REACTORS  
 HANFORD REACTORS

### REACTOR DESIGN-(CONT.)

HIGH TEMPERATURE NUCLEAR  
 REACTORS  
 LIMITERS (FUSION REACTORS)  
 NUCLEAR REACTORS  
 NUCLEAR RESEARCH AND TEST  
 REACTORS  
 OFFSHORE REACTOR SITES  
 ORGANIC COOLED REACTORS  
 PEBBLE BED REACTORS  
 PRODUCT DEVELOPMENT

### REACTOR FUELS

USE NUCLEAR FUELS

### REACTOR IN FLIGHT TEST PROGRAM

USE RIFT (REACTOR IN FLIGHT TEST)

### REACTOR MATERIALS

RT ANNULAR CORE PULSE REACTORS  
 BLANKETS (FISSION REACTORS)  
 BLANKETS (FUSION REACTORS)  
 CHEMICAL REACTORS  
 ∞ CONSTRUCTION MATERIALS  
 COOLANTS  
 LIMITERS (FUSION REACTORS)  
 LOSS OF COOLANT  
 ∞ MATERIALS  
 MODERATORS  
 NUCLEAR FUEL ELEMENTS  
 NUCLEAR FUELS  
 NUCLEAR REACTORS  
 PRESSURE VESSELS  
 RADIATION SHIELDING  
 SPENT FUELS

### REACTOR PHYSICS

GS NUCLEAR PHYSICS  
 . **REACTOR PHYSICS**  
 RT ANNULAR CORE PULSE REACTORS  
 BETA FACTOR  
 HANFORD REACTORS  
 INHOUR EQUATION  
 NUCLEAR FUEL BURNUP  
 NUCLEAR REACTORS  
 ∞ PHYSICS  
 ∞ SCIENCE

### REACTOR SAFETY

GS SAFETY  
 . **REACTOR SAFETY**  
 RT ANNULAR CORE PULSE REACTORS  
 CHEMICAL REACTORS  
 CONTROL RODS  
 EXPLOSIONS  
 INDUSTRIAL SAFETY  
 NUCLEAR REACTOR CONTROL  
 NUCLEAR REACTORS  
 OFFSHORE REACTOR SITES  
 RADIATION HAZARDS  
 ∞ REACTION CONTROL  
 RELIEF VALVES  
 TRANSIENT REACTOR TEST FACILITY

### REACTOR STARTUP TESTS

GS FUEL TESTS  
 . **REACTOR STARTUP TESTS**  
 RT INITIATION  
 NUCLEAR FUELS  
 NUCLEAR REACTORS  
 STARTING  
 ∞ TESTS

### REACTOR TECHNOLOGY

GS TECHNOLOGIES  
 . **REACTOR TECHNOLOGY**  
 RT ANNULAR CORE PULSE REACTORS  
 ∞ ENGINEERING  
 ENGINEERING TEST REACTORS  
 HANFORD REACTORS  
 HIGH TEMPERATURE NUCLEAR  
 REACTORS  
 JOINT EUROPEAN TORUS  
 NUCLEAR FUEL BURNUP  
 NUCLEAR REACTORS  
 NUCLEAR RESEARCH AND TEST  
 REACTORS  
 OFFSHORE REACTOR SITES  
 ORGANIC COOLED REACTORS  
 PEBBLE BED REACTORS  
 REVERSE FIELD PINCH

# RECEIVERS

## ∞ REACTORS

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT ANNULAR CORE PULSE REACTORS  
CHEMICAL REACTORS  
ELECTRIC REACTORS  
FAST TEST REACTORS  
FUSION REACTORS  
FUSION-FISSION HYBRID REACTORS  
HIGH TEMPERATURE NUCLEAR REACTORS  
MOLTEN SALT NUCLEAR REACTORS  
NUCLEAR REACTORS  
NUCLEAR RESEARCH AND TEST REACTORS  
PLASMA CORE REACTORS  
POWER REACTORS  
RIFT (REACTOR IN FLIGHT TEST)  
SNAPTRAN REACTOR  
SPHEROMAKS  
SWIMMING POOL REACTORS  
THERMAL REACTORS  
TOKAMAK DEVICES  
WATER COOLED REACTORS

## READ-ONLY MEMORY DEVICES

- UF ROM DEVICES
- GS COMPUTER STORAGE DEVICES
- RT READ-ONLY MEMORY DEVICES  
COMPUTER COMPONENTS  
COMPUTER DESIGN  
COMPUTER SYSTEMS DESIGN  
COMPUTERS

## READERS

- UF READING MACHINES
- RT CHARACTER RECOGNITION  
CONICAL SCANNING
- ∞ DETECTORS  
MAGNETIC TAPES  
MICROFILMS  
OPTICAL DATA PROCESSING  
OPTICAL SCANNERS  
PATTERN RECOGNITION  
PUNCHED CARDS  
PUNCHED TAPES  
READING

## READING

- GS READING  
LIP READING
- RT CHARACTER RECOGNITION  
CONICAL SCANNING  
DATA TRANSMISSION  
DISPLAY DEVICES  
INPUT
- ∞ INTERPRETATION  
LEGIBILITY  
PERCEPTION  
PRINTING  
READERS  
SCANNERS  
SCANNING  
SYMBOLS  
VISIBILITY

## READING MACHINES

- USE READERS

## READJUSTMENT

- USE ADJUSTING

## READOUT

- RT DISPLAY DEVICES  
MULTIPLE OUTPUT PROGRAMS  
OUTPUT  
PRINTERS (DATA PROCESSING)  
PRINTOUTS  
REMOTE CONSOLES

## REAGENTS

- RT CATALYSTS  
CHEMICAL ANALYSIS  
CHEMICAL REACTIONS  
REACTION KINETICS

## REAL GASES

- GS GASES  
REAL GASES
- RT EQUATIONS OF STATE  
GAS DENSITY  
IDEAL GAS  
KINETIC THEORY  
MOLECULAR GASES

## REAL GASES-(CONT.)

- MONATOMIC GASES

## REAL NUMBERS

- GS REAL NUMBERS  
INTEGERS
- RT COMPLEX NUMBERS  
∞ NUMBERS

## REAL TIME OPERATION

- RT AUTOMATIC CONTROL  
COMPUTER PROGRAMMING  
COMPUTERS  
DISPLAY DEVICES  
INTEGRATED MISSION CONTROL CENTER  
MULTIPROCESSING (COMPUTERS)  
ONBOARD DATA PROCESSING

## REAL VARIABLES

- GS ANALYSIS (MATHEMATICS)  
REAL VARIABLES  
ABEL FUNCTION  
ASYMPTOTES  
BESSEL FUNCTIONS  
HANKEL FUNCTIONS  
BETHE-SALPETER EQUATION  
CALCULUS OF VARIATIONS  
COMPOSITE FUNCTIONS  
DELTA FUNCTION  
DIFFERENTIAL EQUATIONS  
BLASIUS EQUATION  
CHANDRASEKHAR EQUATION  
COSINE SERIES  
DUFFING DIFFERENTIAL EQUATION  
FALKNER-SKAN EQUATION  
HYPERBOLIC DIFFERENTIAL EQUATIONS  
LAME WAVE EQUATIONS  
PARTIAL DIFFERENTIAL EQUATIONS  
BIHARMONIC EQUATIONS  
BURGER EQUATION  
CAUCHY-RIEMANN EQUATIONS  
ELLIPTIC DIFFERENTIAL EQUATIONS  
MONGE-AMPERE EQUATION  
EULER-CAUCHY EQUATIONS  
FOKKER-PLANCK EQUATION  
GAUSS EQUATION  
HELMHOLTZ VORTICITY EQUATION  
LIOUVILLE EQUATIONS  
PARABOLIC DIFFERENTIAL EQUATIONS  
POISSON EQUATION  
VLASOV EQUATIONS  
RICCATI EQUATION  
VORTICITY EQUATIONS  
HELMHOLTZ VORTICITY EQUATION  
EINSTEIN EQUATIONS  
EXISTENCE THEOREMS  
EXTREMUM VALUES  
LIMITS (MATHEMATICS)  
MAXIMA  
MINIMA  
FOURIER-BESSEL TRANSFORMATIONS  
GREEN'S FUNCTIONS  
HYPERBOLIC FUNCTIONS  
HYPERPLANES  
JACOBI INTEGRAL  
JACOBI MATRIX METHOD  
KERNEL FUNCTIONS  
LIAPUNOV FUNCTIONS  
LINEAR EQUATIONS  
LINEAR EVOLUTION EQUATIONS  
RICCATI EQUATION  
LIPSCHITZ CONDITION  
MEASURE AND INTEGRATION  
BINARY INTEGRATION  
BOREL SETS  
FUNCTIONAL INTEGRATION  
INTEGRAL CALCULUS  
J INTEGRAL  
LEBESGUE THEOREM  
NUMERICAL INTEGRATION  
RUNGE-KUTTA METHOD  
STIELTJES INTEGRAL  
WEIGHTING FUNCTIONS  
NEUMANN PROBLEM  
NONLINEAR EQUATIONS  
CUBIC EQUATIONS  
DUFFING DIFFERENTIAL EQUATION  
MONGE-AMPERE EQUATION  
NONLINEAR EVOLUTION EQUATIONS  
QUADRATIC EQUATIONS

## REAL VARIABLES-(CONT.)

- QUARTIC EQUATIONS  
NUMERICAL DIFFERENTIATION  
PERIODIC FUNCTIONS  
TRIGONOMETRIC FUNCTIONS  
COSINE SERIES  
SINE SERIES  
TANGENTS  
SERIES (MATHEMATICS)  
ASYMPTOTIC SERIES  
CAMPBELL-HAUSDORFF SERIES  
COSINE SERIES  
FOURIER SERIES  
PADE APPROXIMATION  
POWER SERIES  
TAYLOR SERIES  
MACLAURIN SERIES  
PROGRESSIONS  
PRONY SERIES  
SINE SERIES  
STURM-LIOUVILLE THEORY  
VECTOR ANALYSIS  
COLLINEARITY  
COPLANARITY  
CURL (VECTORS)  
VORTICITY  
WEIERSTRASS FUNCTIONS  
WHITTAKER FUNCTIONS
- RT APERIODIC FUNCTIONS  
CALCULUS  
CHOLESKY FACTORIZATION  
COMPLEX VARIABLES  
CONTINUUMS  
DEPENDENT VARIABLES  
DIFFERENTIAL CALCULUS  
FACTORIZATION  
FOURIER ANALYSIS  
HERMITIAN POLYNOMIAL  
HYPERSPHERES  
INFINITY  
INFLECTION POINTS  
MAXIMUM PRINCIPLE  
MONOTONE FUNCTIONS  
SCHMIDT METHOD  
STABILITY DERIVATIVES  
UNIQUENESS THEOREM
- ∞ VARIABLE

## REARWARD FACING STEPS

- USE BACKWARD FACING STEPS

## REATTACHED FLOW

- GS FLUID FLOW  
VISCOUS FLOW  
BOUNDARY LAYER FLOW
- RT REATTACHED FLOW

- ∞ ATTACHMENT  
BACKWARD FACING STEPS  
BOUNDARY LAYER SEPARATION  
COANDA EFFECT  
CROCCO-LEE THEORY  
FLOW CHARACTERISTICS  
FLOW DISTRIBUTION  
SEPARATED FLOW

## REATTACHMENT

- USE ATTACHMENT

## REB

- USE RELATIVISTIC ELECTRON BEAMS

## REBREATHING

- RT AIR PURIFICATION  
CARBON DIOXIDE CONCENTRATION  
CARBON DIOXIDE REMOVAL  
EXPIRED AIR  
LIFE SUPPORT SYSTEMS  
SPACECRAFT CABIN ATMOSPHERES

## RECEIVERS

- UF RECEIVING SYSTEMS
- GS RECEIVERS  
LINEAR RECEIVERS  
LOGARITHMIC RECEIVERS  
RADAR RECEIVERS  
RADIO RECEIVERS  
SUPERHETERODYNE RECEIVERS  
TRANSMITTER RECEIVERS  
WHISTLER RECORDERS  
RADIOTELEPHONES  
TELEVISION RECEIVERS
- RT AMPLIFIERS
- ∞ DETECTORS  
DISPLAY DEVICES  
DUPLEXERS

## RECEIVING

### RECEIVERS-(CONT.)

ELECTRIC FILTERS  
INSTRUMENT RECEIVERS  
∞ RECEIVING  
REPEATERS  
TANKS (CONTAINERS)  
TELEPRINTERS  
TELETYPEWRITERS  
TRANSMITTERS

### ∞ RECEIVING

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
UF RECEPTION  
RT ACQUISITION  
COLLECTION  
DELIVERY  
PROCUREMENT  
RADAR RECEPTION  
RADIO RECEPTION  
RECEIVERS  
RECOGNITION  
SIGNAL RECEPTION  
TELEVISION RECEPTION

### RECEIVING SYSTEMS

USE RECEIVERS

### RECEPTACLES (CONTAINERS)

USE CONTAINERS

### RECEPTION

USE RECEIVING

### RECEPTION DIVERSITY

UF SPACE DIVERSITY  
GS RADIO EQUIPMENT  
RECEPTION DIVERSITY  
RT FADING  
RADIO ANTENNAS  
RADIO RECEIVERS  
RADIO RECEPTION  
SIGNAL FADING

### RECEPTORS (PHYSIOLOGY)

GS RECEPTORS (PHYSIOLOGY)  
BARORECEPTORS  
CHEMORECEPTORS  
GRAVIRECEPTORS  
OTOLITH ORGANS  
MECHANORECEPTORS  
PHOTORECEPTORS  
PROPRIOCEPTORS  
THERMORECEPTORS  
RT SENSE ORGANS  
SENSITOMETRY

### RECESSES

RT CAVITIES  
CREVASSES  
∞ HOLLOW

### RECESSION

RT ∞ DEPRESSION  
ECONOMICS

### RECHARGING

RT CHARGE EFFICIENCY

### RECIPROCAL THEOREMS

GS THEOREMS  
RECIPROCAL THEOREMS  
RT ANGLES (GEOMETRY)  
GEOMETRY  
LINES (GEOMETRY)  
POINTS (MATHEMATICS)  
PROJECTIVE GEOMETRY

### RECIPROCATING ENGINES

USE PISTON ENGINES

### RECIPROCATION

RT CYCLES  
MECHANICAL OSCILLATORS  
PISTON ENGINES  
PISTONS

### RECIPROCITY THEOREM

GS THEOREMS  
RECIPROCITY THEOREM  
RT ACOUSTIC SCATTERING  
ELECTROMAGNETIC FIELDS  
ELECTROMAGNETIC SCATTERING

### RECIPROCITY THEOREM-(CONT.)

WAVE SCATTERING

### RECIRCULATION

USE CIRCULATION

### RECIRCULATIVE FLUID FLOW

GS FLUID FLOW  
RECIRCULATIVE FLUID FLOW  
RT BACKWARD FACING STEPS  
BOUNDARY LAYER FLOW  
BOUNDARY LAYER SEPARATION  
REVERSED FLOW  
TURBULENT FLOW  
TURBULENT MIXING  
VORTICES

### RECLAMATION

GS RECLAMATION  
GAS RECOVERY  
MATERIALS RECOVERY  
NUCLEAR FUEL REPROCESSING  
SOLVOLYSIS  
WATER RECLAMATION  
RT OIL RECOVERY  
∞ RECOVERY  
RECYCLING  
REGENERATION (ENGINEERING)

### RECOGNITION

GS RECOGNITION  
PATTERN RECOGNITION  
CHARACTER RECOGNITION  
GRAPHOLOGY  
SPEECH RECOGNITION  
TARGET RECOGNITION  
TIMBER IDENTIFICATION  
RT ACQUISITION  
CONSCIOUSNESS  
CROP IDENTIFICATION  
IDENTIFYING  
IFF SYSTEMS (IDENTIFICATION)  
∞ INTERPRETATION  
MEMORY  
∞ RECEIVING  
REMOTE SENSING

### RECOIL ATOMS

GS ATOMS  
RECOIL ATOMS  
RT RECOILINGS

### RECOIL IONS

GS IONS  
RECOIL IONS  
RT ATOMIC COLLISIONS  
CHARGE EXCHANGE  
ELECTRON SCATTERING  
ION IMPACT  
ION PRODUCTION RATES  
ION SCATTERING  
IONIC COLLISIONS  
RECOILINGS

### RECOIL PROTONS

GS PARTICLES  
CHARGED PARTICLES  
PROTONS  
RECOIL PROTONS  
ELEMENTARY PARTICLES  
FERMIONS  
PROTONS  
RECOIL PROTONS  
RT BARYONS  
RECOILINGS

### RECOILINGS

RT COLLISIONS  
PARTICLE MOTION  
RECOIL ATOMS  
RECOIL IONS  
RECOIL PROTONS

### RECOMBINATION COEFFICIENT

GS COEFFICIENTS  
RECOMBINATION COEFFICIENT  
RATES (PER TIME)  
RECOMBINATION COEFFICIENT  
RT FREE ELECTRONS  
ION RECOMBINATION  
IONIZED GASES

### RECOMBINATION REACTIONS

GS RECOMBINATION REACTIONS

### RECOMBINATION REACTIONS-(CONT.)

ATOMIC RECOMBINATION  
OXYGEN RECOMBINATION  
ELECTRON RECOMBINATION  
RADIATIVE RECOMBINATION  
ELECTRON-ION RECOMBINATION  
RADIATIVE RECOMBINATION  
HYDROGEN RECOMBINATIONS  
ION RECOMBINATION  
RT ATOMIC COLLISIONS  
CAPTURE EFFECT  
FERTILIZATION  
SUHL EFFECT

### RECOMMENDATIONS

GS RECOMMENDATIONS  
SUGGESTION  
RT DECISION THEORY

### RECOMPRESSION

USE COMPRESSING

### RECONNAISSANCE

GS RECONNAISSANCE  
AERIAL RECONNAISSANCE  
AIRBORNE INTEGRATED  
RECONNAISSANCE SYSTEM  
PHOTORECONNAISSANCE  
SPECTRAL RECONNAISSANCE  
RT COSPAS  
EARTH RESOURCES  
OBSERVATION  
PATROLS  
PHOTO GEOLOGY  
SARSAT  
SEARCHING  
SPACE OBSERVATIONS (FROM EARTH)  
SPACE SURVEILLANCE (SPACEBORNE)  
SURVEILLANCE  
SURVEYS  
TERRAIN ANALYSIS

### RECONNAISSANCE AIRCRAFT

GS RECONNAISSANCE AIRCRAFT  
A-9 AIRCRAFT  
BREGUET 1150 AIRCRAFT  
CESSNA L-19 AIRCRAFT  
CL-84 AIRCRAFT  
EARTH RESOURCES SURVEY  
AIRCRAFT  
F-5 AIRCRAFT  
G-91 AIRCRAFT  
G-95/4 AIRCRAFT  
HS-801 AIRCRAFT  
MIRAGE AIRCRAFT  
MIRAGE 3 AIRCRAFT  
OV-10 AIRCRAFT  
P-1127 AIRCRAFT  
P-1154 AIRCRAFT  
RB-50 AIRCRAFT  
TSR-2 AIRCRAFT  
U-2 AIRCRAFT  
VICTOR MK-1 AIRCRAFT  
WEATHER RECONNAISSANCE  
AIRCRAFT  
RT AERIAL RECONNAISSANCE  
AIRCRAFT  
ANTISUBMARINE WARFARE AIRCRAFT  
FLYING PLATFORMS  
JET AIRCRAFT  
LIGHT AIRCRAFT  
∞ MILITARY AIRCRAFT  
∞ MILITARY AVIATION  
MILITARY HELICOPTERS  
OBSERVATION AIRCRAFT  
PILOTLESS AIRCRAFT  
SUBMERSIBLE AIRCRAFT  
SUPERSONIC AIRCRAFT  
UTILITY AIRCRAFT  
V/STOL AIRCRAFT  
VALIANT AIRCRAFT  
WATER TAKEOFF AND LANDING  
AIRCRAFT  
YF-12 AIRCRAFT

### RECONNAISSANCE SPACECRAFT

GS MILITARY SPACECRAFT  
RECONNAISSANCE SPACECRAFT  
INSPECTOR SATELLITE  
MIDAS SATELLITES  
MIDAS 2 SATELLITE  
MIDAS 3 SATELLITE  
MIDAS 4 SATELLITE  
MIDAS 5 SATELLITE  
MIDAS 6 SATELLITE

## RECTANGULAR PANELS

### RECONNAISSANCE SPACECRAFT-(CONT.)

... MIDAS 7 SATELLITE  
... PHOTO RECONNAISSANCE  
SPACECRAFT  
... SAMOS  
RT AERIAL RECONNAISSANCE  
ARTIFICIAL SATELLITES  
MANNED ORBITAL LABORATORIES  
MANNED SPACECRAFT  
UNMANNED SPACECRAFT

### RECONSTRUCTION

GS **RECONSTRUCTION**  
... WAVE FRONT RECONSTRUCTION  
RT CONSTRUCTION  
RESTORATION

### RECORDERS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT CABLE FORCE RECORDERS  
DATA RECORDERS  
PLAYBACKS  
RECORDING INSTRUMENTS  
REGISTERS (COMPUTERS)  
TAPE RECORDERS  
VLF EMISSION RECORDERS

### RECORDING

GS **RECORDING**  
... DATA RECORDING  
... DATA SMOOTHING  
... MAGNETIC RECORDING  
... PHOTOGRAPHIC RECORDING  
... PREDICTION RECORDING  
RT PLAYBACKS  
PLOTING  
PRIVACY  
∞ STORAGE

### RECORDING HEADS

RT DATA RECORDING  
MAGNETIC RECORDING  
MAGNETIC TAPES  
RECORDING INSTRUMENTS  
TAPE RECORDERS  
VIDEO EQUIPMENT

### RECORDING INSTRUMENTS

UF EMISSOGRAPHS  
PLUVIOGRAPHS  
THERMOGRAPHS  
GS **RECORDING INSTRUMENTS**  
... BATHY THERMOGRAPHS  
... CABLE FORCE RECORDERS  
... FLIGHT LOAD RECORDERS  
... FLIGHT RECORDERS  
... FORCE VECTOR RECORDERS  
... MECHANOGAPHS  
... OSCILLOGRAPHS  
... PLOTTERS  
... X-Y PLOTTERS  
... PRESSURE RECORDERS  
... RADIOMETEOROGAPHS  
... SEISMOGRAPHS  
... LUNAR SEISMOGRAPHS  
... WEATHER DATA RECORDERS  
... WHISTLER RECORDERS  
RT AIRCRAFT INSTRUMENTS  
AUTOMATIC CONTROL  
BUBBLE TECHNIQUE  
CONTROL EQUIPMENT  
COUNTERS  
DATA RECORDERS  
ELECTRONIC RECORDING SYSTEMS  
FLIGHT INSTRUMENTS  
GRAPHS (CHARTS)  
INDICATING INSTRUMENTS  
INSTRUMENT RECEIVERS  
INSTRUMENT TRANSMITTERS  
∞ INSTRUMENTS  
MEASURING INSTRUMENTS  
METEOROLOGICAL INSTRUMENTS  
∞ PENS  
PHOTOGRAPHIC RECORDING  
∞ RECORDERS  
RECORDING HEADS  
SONOGRAMS  
SPHYGMOGRAPHY  
TAPE RECORDERS  
TRANSDUCERS  
VLF EMISSION RECORDERS

### RECORDS

GS DOCUMENTS  
... **RECORDS**  
... VIDEO DISKS  
RT CASE HISTORIES  
∞ DATA  
DATA PROCESSING  
DATA RECORDING  
DOCUMENTATION  
∞ DRAWING  
FORMAT  
HISTORIES  
PERIODICALS  
PLAYBACKS  
PRESIDENTIAL REPORTS  
PRIVACY  
REPORTS  
∞ REPRODUCTION  
SUPPLEMENTS  
TECHNICAL WRITING  
∞ TESTS  
TEXTS

### RECOVERABILITY

RT DAMAGE ASSESSMENT  
∞ PROPERTIES  
∞ RECOVERY

### RECOVERABLE LAUNCH VEHICLES

GS LAUNCH VEHICLES  
... **RECOVERABLE LAUNCH VEHICLES**  
RT BOOSTER RECOVERY  
LAUNCH VEHICLE CONFIGURATIONS  
MULTIENGINE VEHICLES  
∞ RECOVERY  
RECOVERY PARACHUTES  
REUSABLE LAUNCH VEHICLES  
∞ VEHICLES  
∞ WINGED VEHICLES

### RECOVERABLE SATELLITES

USE RECOVERABLE SPACECRAFT

### RECOVERABLE SPACECRAFT

UF RECOVERABLE SATELLITES  
GS REENTRY VEHICLES  
... **RECOVERABLE SPACECRAFT**  
... APOLLO SPACECRAFT  
... APOLLO LUNAR EXPERIMENT  
MODULE  
... ASTRO VEHICLE  
... GEMINI B SPACECRAFT  
... GEMINI SPACECRAFT  
... GEMINI (GT-1) SPACECRAFT  
... GEMINI 2 SPACECRAFT  
... MERCURY SPACECRAFT  
... AURORA 7  
... FAITH 7  
... FRIENDSHIP 7  
... SIGMA 7  
... REUSABLE SPACECRAFT  
... AEROSPACE PLANES  
... HOTOL LAUNCH VEHICLE  
... X-30 VEHICLE  
... MARS (MANNED REUSABLE  
SPACECRAFT)  
... SPACE SHUTTLE ORBITERS  
... ATLANTIS (ORBITER)  
... CHALLENGER (ORBITER)  
... COLUMBIA (ORBITER)  
... DISCOVERY (ORBITER)  
... ENTERPRISE (ORBITER)  
... SPACE SHUTTLES  
... HERMES MANNED SPACEPLANE  
... VOSKHOD MANNED SPACECRAFT  
... VOSKHOD 1 SPACECRAFT  
... VOSKHOD 2 SPACECRAFT  
... VOSTOK SPACECRAFT  
... VOSTOK 1 SPACECRAFT  
... VOSTOK 2 SPACECRAFT  
... VOSTOK 3 SPACECRAFT  
... VOSTOK 4 SPACECRAFT  
... VOSTOK 5 SPACECRAFT  
... VOSTOK 6 SPACECRAFT  
RT BOOSTER ROCKET ENGINES  
BOOSTGLIDE VEHICLES  
EXPENDABLE STAGES (SPACECRAFT)  
HYPERSONIC VEHICLES  
INERTIAL UPPER STAGE  
INTERIM STAGES (SPACECRAFT)  
LIFTING REENTRY VEHICLES  
MANEUVERABLE SPACECRAFT  
MANNED SPACECRAFT  
MILITARY SPACECRAFT  
RENDEZVOUS SPACECRAFT

### RECOVERABLE SPACECRAFT-(CONT.)

SPACE CAPSULES  
∞ SPACECRAFT  
SPACECRAFT RECOVERY  
UNMANNED SPACECRAFT  
∞ WINGED VEHICLES

### RECOVERY

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT BOOSTER RECOVERY  
GAS RECOVERY  
MATERIALS RECOVERY  
NUCLEAR FUEL REPROCESSING  
OIL RECOVERY  
PRESSURE RECOVERY  
RECLAMATION  
RECOVERABILITY  
RECOVERABLE LAUNCH VEHICLES  
RECOVERY PARACHUTES  
RETRIEVAL  
REUSE  
SPACECRAFT RECOVERY  
STRESS RELAXATION  
STRESS RELIEVING  
VISUAL DISCRIMINATION

### RECOVERY PARACHUTES

GS PARACHUTES  
... **RECOVERY PARACHUTES**  
RT BOOSTER RECOVERY  
DISCOVERER RECOVERY CAPSULES  
RECOVERABLE LAUNCH VEHICLES  
∞ RECOVERY  
RIBBON PARACHUTES  
SPACECRAFT RECOVERY

### RECOVERY VEHICLES

SN (EXCLUDES RECOVERABLE VEHICLES)  
RT HELICOPTERS  
∞ MILITARY VEHICLES  
TRUCKS  
∞ VEHICLES

### RECOVERY ZONES

RT DOWNRANGE  
LANDING SITES  
REENTRY RANGE  
REGIONS  
SPACECRAFT RECOVERY

### RECREATION

RT MORALE  
PARKS  
RELAXATION (PHYSIOLOGY)  
REST  
STARSITE PROGRAM  
URBAN PLANNING  
URBAN RESEARCH

### RECRYSTALLIZATION

GS CRYSTALLIZATION  
... **RECRYSTALLIZATION**  
RT ANNEALING  
HEAT TREATMENT  
LASER ANNEALING  
∞ METALLURGY  
NUCLEATION  
POLYGONIZATION  
∞ SEPARATION

### RECTANGLES

GS GEOMETRY  
... EUCLIDEAN GEOMETRY  
... POLYGONS  
... TETRAGONS  
... **RECTANGLES**  
RT RECTANGULAR PLANFORMS

### RECTANGULAR BEAMS

GS STRUCTURAL MEMBERS  
... BEAMS (SUPPORTS)  
... **RECTANGULAR BEAMS**  
RT BOX BEAMS

### RECTANGULAR COORDINATES

USE CARTESIAN COORDINATES

### RECTANGULAR DRAINAGE

USE DRAINAGE PATTERNS

### RECTANGULAR PANELS

GS PANELS



## RECTANGULAR PLANFORMS

### RECTANGULAR PANELS-(CONT.)

- RT
  - RECTANGULAR PANELS
  - PLANFORMS
  - RECTANGULAR PLANFORMS
  - RECTANGULAR PANELS
  - STRAKES
  - STRUCTURAL MEMBERS
  - WING PANELS

### RECTANGULAR PLANFORMS

- GS
  - PLANFORMS
  - RECTANGULAR PLANFORMS
  - RECTANGULAR PANELS
  - RECTANGULAR PLATES
  - RECTANGULAR WINGS
- RT
  - RECTANGLES
  - WING PLANFORMS

### RECTANGULAR PLATES

- GS
  - PLANFORMS
  - RECTANGULAR PLANFORMS
  - RECTANGULAR PLATES
  - STRUCTURAL MEMBERS
  - PLATES (STRUCTURAL MEMBERS)
  - RECTANGULAR PLATES
- RT
  - FLAT PLATES
  - METAL PLATES
  - PLATES

### RECTANGULAR WAVEGUIDES

- GS
  - TRANSMISSION LINES
  - COMMUNICATION CABLES
  - WAVEGUIDES
  - RECTANGULAR WAVEGUIDES
- RT
  - BEAM WAVEGUIDES
  - MICROWAVE FILTERS

### RECTANGULAR WIND TUNNELS

- GS
  - TEST FACILITIES
  - WIND TUNNELS
  - RECTANGULAR WIND TUNNELS
- RT
  - SUBSONIC WIND TUNNELS

### RECTANGULAR WINGS

- UF
  - STRAIGHT WINGS
- GS
  - AIRFOILS
  - WINGS
  - UNSWEPT WINGS
  - RECTANGULAR WINGS
  - PLANFORMS
  - RECTANGULAR PLANFORMS
  - RECTANGULAR WINGS

### RECTENNAS

- UF
  - RECTIFIER ANTENNAS
- GS
  - MICROWAVE EQUIPMENT
  - MICROWAVE ANTENNAS
  - RECTENNAS
- RT
  - SATELLITE POWER TRANSMISSION (TO EARTH)
  - SOLAR RADIATION
  - SPACETENNAS

### RECTIFICATION

- GS
  - RECTIFICATION
  - GEOMETRIC RECTIFICATION (IMAGERY)
- RT
  - CONDENSATION
  - DISTILLATION
  - PURIFICATION
  - REFINING

### RECTIFIER ANTENNAS

- USE
  - RECTENNAS

### RECTIFIERS

- SN
  - (EXCLUDES PHOTOGRAPHIC RECTIFIER)
- GS
  - RECTIFIERS
  - AVALANCHE DIODES
  - CRYOSAR
  - CRYSTAL RECTIFIERS
  - GERMANIUM DIODES
  - IGNITRONS
  - THYRATRONS
  - THYRISTORS
  - SILICON CONTROLLED RECTIFIERS
- RT
  - BARRITT DIODES
  - CURRENT CONVERTERS (AC TO DC) DIODES
  - ELECTRON TUBES
  - ENERGY SOURCES
  - FORM FACTORS
  - ITO (SEMICONDUCTORS)
  - MERCURY ARCS
  - METAL OXIDE SEMICONDUCTORS

### RECTIFIERS-(CONT.)

- POWER SUPPLIES
- POWER SUPPLY CIRCUITS
- SEMICONDUCTOR DEVICES
- SOLID STATE DEVICES
- THIN FILMS

### RECTUM

- GS
  - ANATOMY
  - DIGESTIVE SYSTEM
  - GASTROINTESTINAL SYSTEM
  - INTESTINES
  - RECTUM

### RECUPERATORS

- USE
  - REGENERATORS

### RECURSION FORMULAS

- USE
  - RECURSIVE FUNCTIONS

### RECURSIVE FUNCTIONS

- UF
  - RECURSION FORMULAS
- GS
  - FUNCTIONS (MATHEMATICS)
  - RECURSIVE FUNCTIONS
- RT
  - FIR FILTERS
  - LISP (PROGRAMMING LANGUAGE)
  - STRANGE ATTRACTORS

### RECYCLING

- RT
  - ECONOMY
  - EXTRACTION
  - MATERIALS RECOVERY
  - NUCLEAR FUEL REPROCESSING
  - PROCESSING
  - RECLAMATION
  - REFINING
  - RESOURCES
  - SOLVOLYSIS
  - SPENT FUELS

### RED ARCS

- GS
  - ATMOSPHERIC RADIATION
  - AURORAS
  - AURORAL ARCS
  - RED ARCS
- RT
  - ARCS
  - AURORAL IONIZATION

### RED BLOOD CELLS

- USE
  - ERYTHROCYTES

### RED DWARF STARS

- GS
  - CELESTIAL BODIES
  - STARS
  - MAIN SEQUENCE STARS
  - DWARF STARS
  - RED DWARF STARS
- RT
  - HOT STARS
  - LATE STARS
  - STELLAR LUMINOSITY
  - STELLAR MAGNITUDE
  - SUBDWARF STARS
  - SUPERNOVA REMNANTS
  - WHITE DWARF STARS

### RED GIANT STARS

- GS
  - CELESTIAL BODIES
  - STARS
  - GIANT STARS
  - RED GIANT STARS
  - CARBON STARS
- RT
  - ASYMPTOTIC GIANT BRANCH STARS
  - LATE STARS
  - M STARS
  - MIRA VARIABLES
  - S STARS
  - STELLAR EVOLUTION
  - STELLAR LUMINOSITY

### RED SEA

- GS
  - SEAS
  - RED SEA
- RT
  - AFRICA
  - ASIA

### RED SHIFT

- RT
  - COSMOLOGY
  - DOPPLER EFFECT
  - DOPPLER-FIZEAU EFFECT
  - GALAXIES
  - HUBBLE CONSTANT
  - HUBBLE DIAGRAM
  - IRREGULAR GALAXIES
  - RADIAL VELOCITY

### RED TIDE

- RT
  - FISHES
  - MARINE ENVIRONMENTS
  - MICROORGANISMS
  - OCEANOGRAPHY
  - PLANKTON
  - SEA WATER
  - TOXICOLOGY

### REDEYE MISSILE

- GS
  - MISSILES
  - ANTIAIRCRAFT MISSILES
  - REDEYE MISSILE
  - SURFACE TO AIR MISSILES
  - REDEYE MISSILE
- RT
  - SOLID PROPELLANT ROCKET ENGINES

### REDOX CELLS

- GS
  - ELECTROCHEMICAL CELLS
  - ELECTRIC BATTERIES
  - REDOX CELLS
- RT
  - ELECTROCHEMISTRY
  - ELECTROLYTES
  - ENERGY CONVERSION EFFICIENCY
  - ENERGY STORAGE

### REDUCED GRAVITY

- UF
  - LOW GRAVITY
  - MICROGRAVITY
  - SUBGRAVITY
- GS
  - GRAVITATION
  - REDUCED GRAVITY
- RT
  - ANTIGRAVITY
  - BIOPROCESSING
  - DROP TOWERS
  - FLUID MANAGEMENT
  - HIGH GRAVITY ENVIRONMENTS
  - LOW GRAVITY MANUFACTURING
  - LOW WEIGHT
  - MARANGONI CONVECTION

### REDUCED ORDER FILTERS

- GS
  - LINEAR FILTERS
  - REDUCED ORDER FILTERS
- RT
  - ELECTRIC FILTERS
  - FILTERS
  - KALMAN FILTERS
  - NAVIGATION AIDS

### REDUCTION

- SN
  - (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- UF
  - DECREMENTING
  - DIMINUTION
  - SHORTENING
- RT
  - ATTENUATION
  - CLEANING
  - COMMUNION
  - CONTRACTION
  - DAMPING
  - DATA REDUCTION
  - DECELERATION
  - DECONTAMINATION
  - DEMAGNETIZATION
  - DEOXYGENATION
  - DEPLETION
  - DEPOLARIZATION
  - DILUTION
  - DIMMING
  - DISPERSING
  - DISSIPATION
  - DRAG REDUCTION
  - ELIMINATION
  - FRICTION REDUCTION
  - HYDROGENOLYSIS
  - INHIBITION
  - IODIMETRY
  - LEAKAGE
  - METAL WORKING
  - NOISE REDUCTION
  - OPTIMIZATION
  - PRESSURE REDUCTION
  - PREVENTION
  - PURIFICATION
  - REDUCTION (CHEMISTRY)
  - REFINING
  - RELAXATION (MECHANICS)
  - REMOVAL
  - RETARDING
  - SHRINKAGE
  - SIDELobe REDUCTION
  - SPIN REDUCTION
  - STOPPING
  - TAPERING

## REENTRY VEHICLES

### REDUCTION (CHEMISTRY)

- GS CHEMICAL REACTIONS
  - . REDUCTION (CHEMISTRY)
  - . . DEOXIDIZING
  - . . HYDROGENATION
- RT ∞ CHEMISTRY
  - DEHYDROGENATION
  - ELECTRODEPOSITION
  - ELECTROLYSIS
  - METAL POWDER
  - OXIDATION
  - OXIDATION-REDUCTION REACTIONS
  - PURIFICATION
  - ∞ REDUCTION
  - ROASTING
  - SMELTING

### REDUCTION (MATHEMATICS)

- USE OPTIMIZATION

### REDUNDANCY

- RT ASSURANCE
  - COMMUNICATION THEORY
  - COMPUTER PROGRAM INTEGRITY
  - CORRECTION
  - ERROR DETECTION CODES
  - INFORMATION THEORY
  - RELIABILITY

### REDUNDANCY ENCODING

- GS CODING
  - . REDUNDANCY ENCODING
- RT CONCATENATED CODES
  - DATA TRANSMISSION
  - ERROR CORRECTING CODES
  - ERROR CORRECTING DEVICES
  - ERROR DETECTION CODES
  - REPETITION
  - SIGNAL ENCODING

### REDUNDANT COMPONENTS

- UF REDUNDANT STRUCTURES
- RT BACKUPS
  - ∞ COMPONENTS
  - RELIABILITY
  - SPARE PARTS
  - ∞ STRUCTURES

### REDUNDANT STRUCTURES

- USE REDUNDANT COMPONENTS

### REEDS (PLANTS)

- GS PLANTS (BOTANY)
  - . GRASSES
  - . . REEDS (PLANTS)

### REEFS

- GS LANDFORMS
  - . BARRIERS (LANDFORMS)
  - . . REEFS
- RT ATOLLS
  - BARS (LANDFORMS)
  - CORAL REEFS
  - ISLAND ARCS
  - ISLANDS
  - OCEANOGRAPHY
  - ROCKS
  - SANDS
  - SHALLOW WATER
  - ∞ SHELVES
  - SHOALS

### REELS

- RT CABLES (ROPES)
  - ∞ CONTAINERS
  - MAGNETIC TAPES
  - SPOOLS
  - TETHERED BALLOONS
  - TETHERED SATELLITES
  - TETHERING

### REENTRY

- GS ATMOSPHERIC ENTRY
  - . REENTRY
  - . . HYPERBOLIC REENTRY
  - . . HYPERSONIC REENTRY
  - . . UNCONTROLLED REENTRY (SPACECRAFT)
  - . . MANNED REENTRY
  - . . SPACECRAFT REENTRY
  - . . UNCONTROLLED REENTRY (SPACECRAFT)
- RT ABLATION
  - AERODYNAMIC HEATING

### REENTRY-(CONT.)

- AERODYNAMIC STABILITY
- AERODYNAMICS
- AEROTHERMODYNAMICS
- DESCENT
- DESCENT TRAJECTORIES
- ∞ ENTRY
  - FLIGHT PATHS
  - IMPACT PREDICTION
  - LIFTING REENTRY VEHICLES
  - LOW OBSERVABLE REENTRY VEHICLES
  - MISSILES
  - ∞ ROCKETS
  - SPACE FLIGHT
  - TERMINAL GUIDANCE

### REENTRY BODIES

- USE REENTRY VEHICLES

### REENTRY COMMUNICATION

- GS TELECOMMUNICATION
  - . SPACE COMMUNICATION
  - . . SPACECRAFT COMMUNICATION
  - . . . REENTRY COMMUNICATION
- RT BLACKOUT (PROPAGATION)
  - MANNED REENTRY
  - PLASMA SHEATHS
  - RADIO COMMUNICATION
  - VOICE COMMUNICATION

### REENTRY DECOYS

- GS COUNTERMEASURES
  - . REENTRY DECOYS
  - DECOYS
  - . REENTRY DECOYS
  - REENTRY VEHICLES
  - . REENTRY DECOYS
- RT BALLISTIC MISSILE DECOYS
  - MISSILE DEFENSE

### REENTRY EFFECTS

- RT ABLATION
  - AERODYNAMIC HEATING
  - BLACKOUT (PROPAGATION)
  - ∞ EFFECTS
  - HYPERSONIC REENTRY
  - PLASMA SHEATHS
  - TEMPERATURE EFFECTS

### REENTRY GLIDERS

- USE LIFTING REENTRY VEHICLES

### REENTRY GUIDANCE

- GS GUIDANCE (MOTION)
  - . REENTRY GUIDANCE
- RT AUTOMATIC CONTROL
  - DESCENT TRAJECTORIES
  - INERTIAL GUIDANCE
  - MANUAL CONTROL
  - SATELLITE GUIDANCE
  - SPACECRAFT GUIDANCE
  - TERMINAL GUIDANCE

### REENTRY PHYSICS

- RT ABLATION
  - AEROTHERMOCHEMISTRY
  - AEROTHERMODYNAMICS
  - HYPERSONIC REENTRY
  - LOW OBSERVABLE REENTRY VEHICLES
  - ∞ PHYSICS
  - PLASMA SHEATHS
  - ∞ SCIENCE

### REENTRY RANGE

- GS DISTANCE
  - . REENTRY RANGE
- RT MISSILE RANGES
  - RECOVERY ZONES

### REENTRY SHIELDING

- GS SHIELDING
  - . HEAT SHIELDING
  - . . REENTRY SHIELDING
- RT ABLATION
  - ABLATIVE NOSE CONES
  - AERODYNAMIC HEATING
  - AEROTHERMOCHEMISTRY
  - HEAT SINKS
  - ∞ INSULATED STRUCTURES
  - LUDOX (TRADEMARK)
  - NOSE CONES
  - REUSABLE HEAT SHIELDING
  - SPACECRAFT SHIELDING
  - THERMAL CONTROL COATINGS

### REENTRY SHIELDING-(CONT.)

- THERMAL INSULATION
- THERMAL PROTECTION

### REENTRY TRAJECTORIES

- GS TRAJECTORIES
  - . DESCENT TRAJECTORIES
  - . . REENTRY TRAJECTORIES
- RT CIRCUMLUNAR TRAJECTORIES
  - FLIGHT MECHANICS
  - HYPERBOLIC REENTRY
  - MISSILE TRAJECTORIES
  - MOON-EARTH TRAJECTORIES
  - SPACECRAFT TRAJECTORIES
  - TERMINAL GUIDANCE

### REENTRY VEHICLES

- UF REENTRY BODIES
- GS REENTRY VEHICLES
  - . BOOSTGLIDE VEHICLES
  - . . X-20 AIRCRAFT
  - . . LOW OBSERVABLE REENTRY VEHICLES
  - . . MANEUVERABLE REENTRY BODIES
  - . . LIFTING REENTRY VEHICLES
  - . . . FDL-5 REENTRY VEHICLE
  - . . . HL-10 REENTRY VEHICLE
  - . . . HLD-35 REENTRY VEHICLE
  - . . . JANUS SPACECRAFT
  - . . . M-2 LIFTING BODY
  - . . . M-2F2 LIFTING BODY
  - . . . X-20 AIRCRAFT
  - . . . X-24 AIRCRAFT
  - . . MARK 1 REENTRY BODY
  - . . MARK 2 REENTRY BODY
  - . . MARK 3 REENTRY BODY
  - . . MARK 4 REENTRY BODY
  - . . MARK 5 REENTRY BODY
  - . . MARK 6 REENTRY BODY
  - . . MARK 11 REENTRY BODY
  - . . MARK 12 REENTRY BODY
  - . . MARK 17 REENTRY BODY
  - . . RECOVERABLE SPACECRAFT
  - . . . APOLLO SPACECRAFT
  - . . . APOLLO LUNAR EXPERIMENT MODULE
  - . . . ASTRO VEHICLE
  - . . . GEMINI B SPACECRAFT
  - . . . GEMINI SPACECRAFT
  - . . . GEMINI (GT-1) SPACECRAFT
  - . . . GEMINI 2 SPACECRAFT
  - . . . MERCURY SPACECRAFT
  - . . . AURORA 7
  - . . . FAITH 7
  - . . . FRIENDSHIP 7
  - . . . SIGMA 7
  - . . . REUSABLE SPACECRAFT
  - . . . AEROSPACE PLANES
  - . . . . . HOTOL LAUNCH VEHICLE
  - . . . . . X-30 VEHICLE
  - . . . . . MARS (MANNED REUSABLE SPACECRAFT)
  - . . . . . SPACE SHUTTLE ORBITERS
  - . . . . . ATLANTIS (ORBITER)
  - . . . . . CHALLENGER (ORBITER)
  - . . . . . COLUMBIA (ORBITER)
  - . . . . . DISCOVERY (ORBITER)
  - . . . . . ENTERPRISE (ORBITER)
  - . . . . . SPACE SHUTTLES
  - . . . . . HERMES MANNED SPACEPLANE
  - . . . . . VOSKHOD MANNED SPACECRAFT
  - . . . . . VOSKHOD 1 SPACECRAFT
  - . . . . . VOSKHOD 2 SPACECRAFT
  - . . . . . VOSTOK SPACECRAFT
  - . . . . . VOSTOK 1 SPACECRAFT
  - . . . . . VOSTOK 2 SPACECRAFT
  - . . . . . VOSTOK 3 SPACECRAFT
  - . . . . . VOSTOK 4 SPACECRAFT
  - . . . . . VOSTOK 5 SPACECRAFT
  - . . . . . VOSTOK 6 SPACECRAFT
  - . . . . . REENTRY DECOYS
  - . . . . . TRAILBLAZER 1 REENTRY VEHICLE
  - . . . . . TRAILBLAZER 2 REENTRY VEHICLE
  - . . . . . X-17 REENTRY VEHICLE
- RT ABLATIVE NOSE CONES
  - AEROTHERMOCHEMISTRY
  - ATHENA ROCKET VEHICLE
  - ∞ BALLISTIC VEHICLES
  - BLUFF BODIES
  - ∞ BODIES
  - FERRY SPACECRAFT
  - ∞ FLIGHT VEHICLES
  - HYPERSONIC VEHICLES
  - ∞ INSULATED STRUCTURES
  - LANDING MODULES

## REFERENCE ATMOSPHERES

### REENTRY VEHICLES-(CONT.)

LIFTING BODIES  
 MANEUVERABLE SPACECRAFT  
 MISSILES  
 NOSE CONES  
 PYRAMIDAL BODIES  
 ∞ ROCKETS  
 SPACE CAPSULES  
 ∞ SPACECRAFT  
 SPACECRAFT CONFIGURATIONS  
 TERMINAL GUIDANCE  
 TEST VEHICLES  
 ∞ VEHICLES  
 ∞ WINGED VEHICLES

### REFERENCE ATMOSPHERES

UF STANDARD ATMOSPHERES  
 GS MODELS  
 . . . ATMOSPHERIC MODELS  
 . . . **REFERENCE ATMOSPHERES**  
 STANDARDS  
 . . . **REFERENCE ATMOSPHERES**

### REFERENCE STARS

GS CELESTIAL BODIES  
 . . . STARS  
 . . . **REFERENCE STARS**  
 RT ASTRONOMICAL COORDINATES  
 ASTRONOMICAL PHOTOGRAPHY  
 CELESTIAL NAVIGATION  
 NAVIGATION AIDS  
 SPACE NAVIGATION

### ∞ REFERENCE SYSTEMS

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT BIBLIOGRAPHIES  
 CELESTIAL REFERENCE SYSTEMS  
 COORDINATES  
 DOCUMENTATION  
 INDEXES (DOCUMENTATION)  
 INERTIAL REFERENCE SYSTEMS  
 LIBRARIES  
 SPHERICAL COORDINATES  
 ∞ SYSTEMS  
 WISWESSER NOTATIONS

### REFERENCES (STANDARDS)

USE STANDARDS

### REFILLING

GS FILLING  
 . . . **REFILLING**  
 RT ∞ LOADING  
 REPLENISHMENT

### REFINING

GS **REFINING**  
 . . . ELECTROREFINING  
 . . . ELECTROSLAG REFINING  
 RT ALKYLATION  
 BENEFICIATION  
 CHEMICAL FRACTIONATION  
 CLEAN FUELS  
 CLEANING  
 ∞ CONVERSION  
 CRYSTALLIZATION  
 DESULFURIZING  
 DEWAXING  
 DISTILLATION  
 DROP TRANSFER  
 ENERGY POLICY  
 ENRICHMENT  
 EXTRACTION  
 FRACTIONATION  
 HYDROGENATION  
 HYDROMETALLURGY  
 ISOMERIZATION  
 MATERIALS RECOVERY  
 POLYMERIZATION  
 ∞ PROCESSING  
 PURIFICATION  
 PYROMETALLURGY  
 RECTIFICATION  
 RECYCLING  
 ∞ REDUCTION  
 ∞ SEPARATION  
 SMELTING  
 SUBLIMATION  
 UPGRADING  
 ZONE MELTING

### REFLECTANCE

UF REFLECTION COEFFICIENT  
 REFLECTIVITY  
 GS ELECTROMAGNETIC PROPERTIES  
 . . . OPTICAL PROPERTIES  
 . . . **REFLECTANCE**  
 . . . . . BIDIRECTIONAL REFLECTANCE  
 . . . . . SPECTRAL REFLECTANCE  
 RT ABSORPTANCE  
 ALBEDO  
 ATTENUATION COEFFICIENTS  
 BIREFRINGENCE  
 BISTATIC REFLECTIVITY  
 BRIGHTNESS  
 COARSENESS  
 COSMIC RAY ALBEDO  
 EARTH ALBEDO  
 FLOW COEFFICIENTS  
 GEOMETRICAL THEORY OF  
 DIFFRACTION  
 LUSTER  
 OPTICAL MEASUREMENT  
 OPTICAL REFLECTION  
 PHOTOMETRY  
 RAY TRACING  
 REFLECTION  
 REFLECTOMETERS  
 SURFACE PROPERTIES  
 SURFACE ROUGHNESS EFFECTS  
 TRANSMITTANCE  
 VEGETATIVE INDEX

### REFLECTED RADIATION

USE REFLECTED WAVES

### REFLECTED RAYS

USE REFLECTED WAVES

### REFLECTED WAVES

UF REFLECTED RADIATION  
 REFLECTED RAYS  
 RT CORPUSCULAR RADIATION  
 ELASTIC WAVES  
 ELECTROMAGNETIC RADIATION  
 INCIDENT RADIATION  
 OPTICAL REFLECTION  
 PHOTON BEAMS  
 ∞ RADIATION  
 REFRACTED WAVES  
 RETROREFLECTION  
 WAVE REFLECTION

### REFLECTING TELESCOPES

GS TELESCOPES  
 . . . **REFLECTING TELESCOPES**  
 . . . STARSAT TELESCOPE  
 RT CASSEGRAIN OPTICS  
 MIRRORS  
 OPTICAL EQUIPMENT  
 OPTICAL MEASURING INSTRUMENTS  
 PARABOLOID MIRRORS  
 REFLECTORS  
 SCHMIDT TELESCOPES  
 SPECTROSCOPIC TELESCOPES  
 STRATOSCOPE TELESCOPES

### REFLECTION

GS **REFLECTION**  
 . . . INFRARED REFLECTION  
 . . . OPTICAL REFLECTION  
 . . . RETROREFLECTION  
 . . . SIGNAL REFLECTION  
 . . . SPECULAR REFLECTION  
 . . . SPREAD REFLECTION  
 . . . ULTRAVIOLET REFLECTION  
 . . . WAVE REFLECTION  
 . . . MACH REFLECTION  
 RT BIDIRECTIONAL REFLECTANCE  
 BREWSTER ANGLE  
 DEFLECTION  
 DIFFUSION  
 ECHELETTE GRATINGS  
 ELECTROMAGNETIC ABSORPTION  
 ELECTROMAGNETIC RADIATION  
 IMPINGEMENT  
 LAMBERT SURFACE  
 LIGHT (VISIBLE RADIATION)  
 ∞ OPTICS  
 REFLECTANCE  
 REFRACTION  
 SCATTERING  
 TRANSMISSION  
 ZERO SOUND

### REFLECTION COEFFICIENT

USE REFLECTANCE

### REFLECTION NEBULAE

GS CELESTIAL BODIES  
 . . . NEBULAE  
 . . . **REFLECTION NEBULAE**  
 RT COSMIC DUST  
 INTERSTELLAR MATTER  
 LIGHT SCATTERING

### REFLECTIVITY

USE REFLECTANCE

### REFLECTOMETERS

GS MEASURING INSTRUMENTS  
 . . . OPTICAL MEASURING INSTRUMENTS  
 . . . **REFLECTOMETERS**  
 . . . . . MICROWAVE REFLECTOMETERS  
 OPTICAL EQUIPMENT  
 . . . OPTICAL MEASURING INSTRUMENTS  
 . . . **REFLECTOMETERS**  
 . . . . . MICROWAVE REFLECTOMETERS  
 RT COMPARATORS  
 DIRECTORS (ANTENNA ELEMENTS)  
 OPTICAL MEASUREMENT  
 PHOTOMETERS  
 REACTOR CORES  
 REFLECTANCE  
 REFLECTOR ANTENNAS  
 SCHELKUNOFF PRINCIPLE  
 TWO REFLECTOR ANTENNAS  
 ULTRAVIOLET REFLECTION

### REFLECTOR ANTENNAS

GS ANTENNAS  
 . . . DIRECTIONAL ANTENNAS  
 . . . **REFLECTOR ANTENNAS**  
 . . . . . PARABOLIC ANTENNAS  
 . . . . . TWO REFLECTOR ANTENNAS  
 RT ANTENNA FEEDS  
 ANTENNA RADIATION PATTERNS  
 CASSEGRAIN ANTENNAS  
 MICROWAVE ANTENNAS  
 PARABOLIC REFLECTORS  
 RADAR ANTENNAS  
 RADAR CORNER REFLECTORS  
 RADAR REFLECTORS  
 RADIO ANTENNAS  
 REFLECTOMETERS  
 REFLECTORS  
 SUBREFLECTORS

### REFLECTOR SATELLITES

USE PASSIVE SATELLITES

### REFLECTORS

GS **REFLECTORS**  
 . . . FRESNEL REFLECTORS  
 . . . PARABOLIC REFLECTORS  
 . . . PARABOLOID MIRRORS  
 . . . RADAR REFLECTORS  
 . . . RADAR CORNER REFLECTORS  
 . . . RETROREFLECTORS  
 . . . SOLAR REFLECTORS  
 . . . SOLAR COLLECTORS  
 . . . SOLETTAS  
 . . . WIGGLER MAGNETS  
 RT ANTENNAS  
 ATTENUATORS  
 BAFFLES  
 CEILINGS (ARCHITECTURE)  
 DEFLECTORS  
 DIRECTORS (ANTENNA ELEMENTS)  
 ETALONS  
 HELIOSTATS  
 MIRRORS  
 PLASMA CORE REACTORS  
 RADIATION SHIELDING  
 REACTOR CORES  
 REFLECTING TELESCOPES  
 REFLECTOR ANTENNAS  
 SCHELKUNOFF PRINCIPLE  
 SUBREFLECTORS  
 TELESCOPES  
 TWO REFLECTOR ANTENNAS

### REFLEXES

GS **REFLEXES**  
 . . . CAROTID SINUS REFLEX  
 . . . CONDITIONED REFLEXES  
 . . . RESPIRATORY REFLEXES  
 . . . COUGH  
 . . . HERING-BREVER REFLEX  
 . . . SNEEZING

## REFRIGERATING

### REFLEXES-(CONT.)

RT . VESTIBULAR NYSTAGMUS  
DECONDITIONING  
REACTION TIME  
VASOCONSTRICTION  
VASODILATION

### REFORESTATION

GS MANAGEMENT  
. RESOURCES MANAGEMENT  
. FOREST MANAGEMENT  
RT . . . **REFORESTATION**  
FORESTS  
TIMBER INVENTORY

### REFRACTED RADIATION

USE REFRACTED WAVES

### REFRACTED RAYS

USE REFRACTED WAVES

### REFRACTED WAVES

UF REFRACTED RADIATION  
REFRACTED RAYS  
RT CORPUSCULAR RADIATION  
EIKONAL EQUATION  
ELASTIC WAVES  
ELECTROMAGNETIC RADIATION  
INCIDENT RADIATION  
PHOTON BEAMS  
REFLECTED WAVES  
REFRACTION  
 $\infty$  WAVES

### REFRACTING TELESCOPES

GS TELESCOPES  
. **REFRACTING TELESCOPES**  
RT LENSES  
OPTICAL EQUIPMENT  
OPTICAL MEASURING INSTRUMENTS  
SPECTROSCOPIC TELESCOPES  
STRATOSCOPE TELESCOPES

### REFRACTION

GS **REFRACTION**  
. ATMOSPHERIC REFRACTION  
. RADIO WAVE REFRACTION  
. BIREFRINGENCE  
. KERR ELECTROOPTICAL EFFECT  
RT ASPHERICITY  
ASTIGMATISM  
 $\infty$  CONDUCTION  
DEFLECTION  
DIFFRACTION  
DISTORTION  
DIVERGENCE  
HUYGENS PRINCIPLE  
ISOCROMATICS  
LENSES  
LIGHT (VISIBLE RADIATION)  
PHOTOELASTICITY  
PRISMS  
REFLECTION  
REFRACTED WAVES  
REFRACTIVITY  
SINKING  
SNELLS LAW  
TRANSMISSION  
VOIGT EFFECT  
WAVE DISPERSION  
WAVE PROPAGATION

### REFRACTIVE INDEX

USE REFRACTIVITY

### REFRACTIVITY

UF REFRACTIVE INDEX  
GS ELECTROMAGNETIC PROPERTIES  
. OPTICAL PROPERTIES  
. **REFRACTIVITY**  
RT ATMOSPHERIC REFRACTION  
BIREFRINGENCE  
BIREFRINGENT COATINGS  
BIREFRINGENT FILTERS  
BREWSTER ANGLE  
GRADIENT INDEX OPTICS  
ISOTROPISM  
LIGHT (VISIBLE RADIATION)  
OPACITY  
OPTICAL THICKNESS  
POLARIZATION (WAVES)  
RATIOS  
REFRACTION  
REFRACTOMETERS  
SNELLS LAW

### REFRACTIVITY-(CONT.)

UNDERWATER OPTICS

### REFRACTOMETERS

GS MEASURING INSTRUMENTS  
. OPTICAL MEASURING INSTRUMENTS  
. **REFRACTOMETERS**  
OPTICAL EQUIPMENT  
. OPTICAL MEASURING INSTRUMENTS  
. **REFRACTOMETERS**  
RT GONIOMETERS  
OPTICAL MEASUREMENT  
REFRACTIVITY

### REFRACTORIES

GS REFRACTORY MATERIALS  
. **REFRACTORIES**  
RT CERAMICS  
CERMETS  
COMBUSTION CHAMBERS  
FORSTERITE  
FURNACES  
HEARTHES  
MORTARS (MATERIAL)  
REFRACTORY COATINGS  
ROCKET ENGINES  
ROCKET LININGS  
THERMAL INSULATION  
TURBINES

### REFRACTORY COATINGS

GS COATINGS  
. PROTECTIVE COATINGS  
. **REFRACTORY COATINGS**  
RT CERAMICS  
PYROLYTIC MATERIALS  
REFRACTORIES  
THERMAL INSULATION

### REFRACTORY MATERIALS

UF HIGH MELTING COMPOUNDS  
HIGH TEMPERATURE MATERIALS  
PYROGRAPHALLOY  
GS **REFRACTORY MATERIALS**  
. LUDOX (TRADEMARK)  
. PORCELAIN  
. REFRACTORIES  
. REFRACTORY METAL ALLOYS  
. MOLYBDENUM ALLOYS  
. . . RENE 41  
. . . RENE 63  
. . . RENE 77  
. . . NIOBIUM ALLOYS  
. . . OSMIUM ALLOYS  
. . . RHENIUM ALLOYS  
. . . TANTALUM ALLOYS  
. . . TUNGSTEN ALLOYS  
. REFRACTORY METALS  
. . . CHROMIUM  
. . . CHROMIUM ISOTOPES  
. . . IRIIDIUM  
. . . IRIIDIUM ISOTOPES  
. . . MOLYBDENUM  
. . . NIOBIUM  
. . . NIOBIUM ISOTOPES  
. . . NIOBIUM 95  
. . . OSMIUM  
. . . OSMIUM ISOTOPES  
. . . RHENIUM  
. . . RHENIUM ISOTOPES  
. . . TANTALUM  
. . . TANTALUM ISOTOPES  
. . . TUNGSTEN  
. . . TUNGSTEN ISOTOPES  
RT ABLATIVE MATERIALS  
CARBIDES  
CARBORUNDUM (TRADEMARK)  
CERAMICS  
CERMETS  
 $\infty$  CHEMICAL COMPOUNDS  
CLAYS  
HIGH TEMPERATURE RESEARCH  
 $\infty$  INORGANIC MATERIALS  
 $\infty$  MATERIALS  
 $\infty$  METAL COMPOUNDS  
NONFLAMMABLE MATERIALS  
NOZZLE WALLS  
PYROLYTIC MATERIALS  
SCOTCHLITE (TRADEMARK)  
SIALON

### REFRACTORY METAL ALLOYS

GS ALLOYS  
. HEAT RESISTANT ALLOYS  
. . . **REFRACTORY METAL ALLOYS**

### REFRACTORY METAL ALLOYS-(CONT.)

. . . MOLYBDENUM ALLOYS  
. . . RENE 41  
. . . RENE 63  
. . . RENE 77  
. . . NIOBIUM ALLOYS  
. . . OSMIUM ALLOYS  
. . . RHENIUM ALLOYS  
. . . TANTALUM ALLOYS  
. . . TUNGSTEN ALLOYS  
REFRACTORY MATERIALS  
. **REFRACTORY METAL ALLOYS**  
. . . MOLYBDENUM ALLOYS  
. . . RENE 41  
. . . RENE 63  
. . . RENE 77  
. . . NIOBIUM ALLOYS  
. . . OSMIUM ALLOYS  
. . . RHENIUM ALLOYS  
. . . TANTALUM ALLOYS  
. . . TUNGSTEN ALLOYS

### REFRACTORY METALS

GS METALS  
. **REFRACTORY METALS**  
. . . CHROMIUM  
. . . CHROMIUM ISOTOPES  
. . . IRIIDIUM  
. . . IRIIDIUM ISOTOPES  
. . . MOLYBDENUM  
. . . NIOBIUM  
. . . NIOBIUM ISOTOPES  
. . . NIOBIUM 95  
. . . OSMIUM  
. . . OSMIUM ISOTOPES  
. . . RHENIUM  
. . . RHENIUM ISOTOPES  
. . . TANTALUM  
. . . TANTALUM ISOTOPES  
. . . TUNGSTEN  
. . . TUNGSTEN ISOTOPES  
REFRACTORY MATERIALS  
. **REFRACTORY METALS**  
. . . CHROMIUM  
. . . CHROMIUM ISOTOPES  
. . . IRIIDIUM  
. . . IRIIDIUM ISOTOPES  
. . . MOLYBDENUM  
. . . NIOBIUM  
. . . NIOBIUM ISOTOPES  
. . . NIOBIUM 95  
. . . OSMIUM  
. . . OSMIUM ISOTOPES  
. . . RHENIUM  
. . . RHENIUM ISOTOPES  
. . . TANTALUM  
. . . TANTALUM ISOTOPES  
. . . TUNGSTEN  
. . . TUNGSTEN ISOTOPES  
RT HEAT RESISTANT ALLOYS

### REFRACTORY PERIOD

RT REACTION TIME  
 $\infty$  RELAXATION  
RESPONSES  
TIME LAG

### REFRASIL (TRADEMARK)

USE FIBERS  
SILICON DIOXIDE

### REFRIGERANTS

RT ABSORBERS (MATERIALS)  
ABSORPTION COOLING  
AIR CONDITIONING  
AMMONIA  
BRINES  
COOLANTS  
COOLING SYSTEMS  
FLUOROHYDROCARBONS  
FREON  
ICE  
REFRIGERATING  
REFRIGERATING MACHINERY  
REFRIGERATORS  
SOLID NITROGEN

### REFRIGERATING

RT AIR CONDITIONING  
AIR COOLING  
COLD TRAPS  
CONDENSING  
COOLERS  
COOLING  
COOLING SYSTEMS

## REFRIGERATING MACHINERY

### REFRIGERATING-(CONT.)

CRYOGENIC COOLING  
CRYOGENIC EQUIPMENT  
CRYOGENICS  
DEFROSTING  
DEHUMIDIFICATION  
FREEZING  
FREON  
FROZEN FOODS  
HUMIDITY  
LOW TEMPERATURE  
MAGNETIC COOLING  
PRESERVING  
REFRIGERANTS  
REFRIGERATORS  
TEMPERATURE  
TEMPERATURE CONTROL  
TEMPERATURE DISTRIBUTION  
THERMOELECTRIC COOLING  
VENTILATION

### REFRIGERATING MACHINERY

GS REFRIGERATING MACHINERY  
REFRIGERATORS  
RT ABSORBERS (EQUIPMENT)  
AIR CONDITIONING  
AIR CONDITIONING EQUIPMENT  
BLOWERS  
COMPRESSORS  
CONDENSERS (LIQUEFIERS)  
COOLERS  
COOLING SYSTEMS  
CRYOGENIC EQUIPMENT  
EVAPORATORS  
HEAT PUMPS  
∞ MACHINERY  
REFRIGERANTS  
TEMPERATURE CONTROL  
THERMOELECTRIC COOLING

### REFRIGERATORS

GS REFRIGERATING MACHINERY  
REFRIGERATORS  
RT COOLERS  
DEFROSTING  
REFRIGERANTS  
REFRIGERATING

### REFSAT

GS ARTIFICIAL SATELLITES  
NAVIGATION SATELLITES  
REFSAT  
RT NAVSTAR SATELLITES  
SYNCHRONOUS SATELLITES

### REFUELING

UF FUELING  
GS REFUELING  
RT AIR TO AIR REFUELING  
AIRCRAFT HAZARDS  
FLIGHT OPERATIONS  
FUEL CONSUMPTION  
FUEL CONTAMINATION  
FUEL CONTROL  
FUEL SYSTEMS  
GROUND SUPPORT EQUIPMENT  
PREFLIGHT OPERATIONS  
PROPELLANT TRANSFER  
REPLENISHMENT  
RETRACTABLE EQUIPMENT

### ∞ REGENERATION

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT REGENERATION (ENGINEERING)  
REGENERATION (PHYSIOLOGY)

### REGENERATION (ENGINEERING)

UF REGENERATIVE CYCLES  
RT ∞ GENERATION  
POSITIVE FEEDBACK  
RECLAMATION  
∞ REGENERATION

### REGENERATION (PHYSIOLOGY)

UF BIOREGENERATION  
RT PHYSIOLOGY  
∞ REGENERATION

### REGENERATIVE COOLING

GS COOLING  
REFRIGERATIVE COOLING  
RT HEAT EXCHANGERS  
PRECOOLING

### REGENERATIVE COOLING-(CONT.)

REGENERATORS

### REGENERATIVE CYCLES

USE REGENERATION (ENGINEERING)

### REGENERATIVE FEEDBACK

USE POSITIVE FEEDBACK

### REGENERATIVE FUEL CELLS

GS ELECTRIC GENERATORS  
DIRECT POWER GENERATORS  
FUEL CELLS  
REFRIGERATIVE FUEL CELLS  
ELECTROCHEMICAL CELLS  
FUEL CELLS  
REFRIGERATIVE FUEL CELLS  
RT BIOCHEMICAL FUEL CELLS  
PHOSPHORIC ACID FUEL CELLS  
STORAGE BATTERIES

### REGENERATORS

UF RECUPERATORS  
GS REGENERATORS  
THERMOSIPHONS  
RT ENERGY STORAGE  
HEAT EXCHANGERS  
HEAT SINKS  
REGENERATIVE COOLING  
TUBE HEAT EXCHANGERS

### REGGE POLES

RT ANGULAR MOMENTUM  
∞ POLES  
POMERANCHUK THEOREM  
POMERONS  
SCATTERING CROSS SECTIONS

### REGIMES

RT COMMUNITIES  
CULTURE (SOCIAL SCIENCES)  
ENVIRONMENTS  
GOVERNMENTS  
NATIONS  
POLITICS

### REGIONAL PLANNING

GS PLANNING  
REGIONAL PLANNING  
URBAN PLANNING  
RT CONSERVATION  
FARMLANDS  
FOREST MANAGEMENT  
FORESTS  
HARBORS  
HIGHWAYS  
INDUSTRIAL AREAS  
LAKES  
LAND MANAGEMENT  
MEGALOPOLISES  
PARKS  
RESIDENTIAL AREAS  
RURAL AREAS  
RURAL LAND USE  
ST LOUIS-KANSAS CITY CORRIDOR (MO)  
SUBURBAN AREAS  
URBAN DEVELOPMENT  
URBAN TRANSPORTATION

### REGIONS

UF ZONES  
GS REGIONS  
AURORAL ZONES  
BRILLOUIN ZONES  
CENTRAL ATLANTIC REGION (US)  
D REGION  
E REGION  
E-1 LAYER  
E-2 LAYER  
SPORADIC E LAYER  
EQUATORIAL REGIONS  
F REGION  
F 1 REGION  
F 2 REGION  
FRESNEL REGION  
GUTENBERG ZONE  
HABITATS  
INTERTROPICAL CONVERGENT ZONES  
LUMBAR REGION  
M REGION  
NEW ENGLAND (US)  
NULL ZONES  
PACIFIC NORTHWEST (US)  
PANAMA CANAL ZONE  
PELAGIC ZONE

### REGIONS-(CONT.)

POLAR REGIONS  
ANTARCTIC REGIONS  
MCMURDO SOUND  
ROSS ICE SHELF  
ARCTIC REGIONS  
REMOTE REGIONS  
ANTARCTIC REGIONS  
ARCTIC REGIONS  
SAND HILLS REGION (GA-NC-SC)  
SAND HILLS REGION (NE)  
SCIATIC REGION  
SOUTHEAST ASIA  
SOUTHERN CALIFORNIA  
SOUTHERN YEMEN  
SUBARCTIC REGIONS  
TEMPERATE REGIONS  
TROPICAL REGIONS  
AMAZON REGION (SOUTH AMERICA)  
RT ASTEROID BELTS  
∞ BELTS  
BOUNDARIES  
CENTRAL AMERICA  
EARTH IONOSPHERE  
∞ LAYERS  
RECOVERY ZONES  
∞ SECTORS  
SITES

### ∞ REGISTERS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT REGISTERS (AIR CIRCULATION)  
REGISTERS (COMPUTERS)

### REGISTERS (AIR CIRCULATION)

RT COOLING SYSTEMS  
∞ REGISTERS

### REGISTERS (COMPUTERS)

GS COMPUTER STORAGE DEVICES  
REGISTERS (COMPUTERS)  
ACCUMULATORS (COMPUTERS)  
RT CENTRAL PROCESSING UNITS  
∞ RECORDERS  
∞ REGISTERS  
SHIFT REGISTERS

### REGOLITH

GS ROCKS  
REGOLITH  
RT BASALT  
BEDROCK  
BRECCIA  
CARBONACEOUS ROCKS  
COAL  
EARTH MANTLE  
EARTH RESOURCES  
ENSTATITE  
GEOLOGY  
IGNEOUS ROCKS  
LAVA  
LITHOLOGY  
LUNAR GEOLOGY  
LUNAR MANTLE  
LUNAR ROCKS  
MAGMA  
OLIVINE  
PERIDOTITE  
PYROXENES  
ROCK INTRUSIONS  
SELENOLOGY  
STRATIGRAPHY

### REGRESSION (STATISTICS)

USE REGRESSION ANALYSIS

### REGRESSION ANALYSIS

UF REGRESSION (STATISTICS)  
GS STATISTICAL ANALYSIS  
VARIANCE (STATISTICS)  
MULTIVARIATE STATISTICAL  
ANALYSIS  
REGRESSION ANALYSIS  
RT AUTOREGRESSIVE PROCESSES  
CLUMPS  
CORRELATION  
COVARIANCE  
EXPERIMENT DESIGN  
FACTOR ANALYSIS  
FORECASTING  
LEAST SQUARES METHOD  
QUALITY CONTROL  
SIGNIFICANCE

**REGRESSION ANALYSIS-(CONT.)**

STATISTICAL TESTS  
VARIABILITY

**REGRESSION COEFFICIENTS**

GS COEFFICIENTS  
    . **REGRESSION COEFFICIENTS**  
RT CORRELATION  
    FORECASTING  
    MATHEMATICAL MODELS  
    QUALITY CONTROL

**REGULARITY**

RT PHYSIOLOGY  
    ∞ PROPERTIES

**REGULATION**

USE CONTROL

**REGULATIONS**

RT AIR LAW  
    ALLOWANCES  
    ∞ CONTROL  
        COPYRIGHTS  
        CRIME  
        LAW (JURISPRUDENCE)  
        LIABILITIES  
        LICENSING  
        PATENT POLICY  
        PENALTIES  
        POLICE  
        POLICIES  
        PROCUREMENT POLICY  
        PROHIBITION  
        RULES

**REGULATORS**

SN (LIMITED TO DEVICES)  
GS **REGULATORS**  
    . CURRENT REGULATORS  
    . FLOW REGULATORS  
    . FUEL FLOW REGULATORS  
    . FREQUENCY CONTROL  
    . AUTOMATIC FREQUENCY CONTROL  
    . GIBBERELLINS  
    . OXYGEN REGULATORS  
    . PRESSURE REGULATORS  
    . RELIEF VALVES  
    . SPEED REGULATORS  
    . THERMOSTATS  
    . VOLTAGE REGULATORS  
RT ACTUATORS  
    AUTOMATIC CONTROL  
    AUTOMATIC CONTROL VALVES  
    ∞ CONTROL  
        CONTROLLERS  
        CRYOSTATS  
        SPEED CONTROL

**REGULATORY MECHANISMS (BIOLOGY)**

SN (RESTRICTED TO THE REGULATION OF  
    PHYSIOLOGICAL AND PHYSIOCHEMICAL  
    PROCESSES--EXCLUDES ECOLOGICAL,  
    GENETIC, OR BIOTECHNOLOGICAL  
    REGULATION)  
RT BIOCONTROL SYSTEMS  
    CALMODULIN  
    ∞ CONTROL  
        HORMONES  
        THERMOREGULATION

**REGULUS MISSILE**

GS MISSILES  
    . SURFACE TO SURFACE MISSILES  
    . **REGULUS MISSILE**  
RT SOLID PROPELLANT ROCKET ENGINES  
    TURBOJET ENGINES

**REHEATING**

USE HEATING

**REIGNITION**

USE IGNITION

**REINFORCED PLASTICS**

GS COMPOSITE MATERIALS  
    . POLYMER MATRIX COMPOSITES  
    . **REINFORCED PLASTICS**  
        . CARBON FIBER REINFORCED  
            PLASTICS  
        . GLASS FIBER REINFORCED  
            PLASTICS  
        . MICARTA  
        PLASTICS

**REINFORCED PLASTICS-(CONT.)**

. **REINFORCED PLASTICS**  
    . CARBON FIBER REINFORCED  
        PLASTICS  
    . GLASS FIBER REINFORCED PLASTICS  
    . MICARTA  
RT AIRCRAFT SURVIVABILITY  
    BORON FIBERS  
    BORON REINFORCED MATERIALS  
    FIBER COMPOSITES  
    GRAPHITE-EPOXY COMPOSITES  
    LAMINATES  
    REINFORCEMENT (STRUCTURES)  
    THERMOSETTING RESINS

**REINFORCED PLATES**

GS STRUCTURAL MEMBERS  
    . PLATES (STRUCTURAL MEMBERS)  
    . **REINFORCED PLATES**  
RT ANISOTROPIC PLATES  
    CORRUGATED PLATES  
    LAMINATES  
    PLASTIC PLATES  
    REINFORCEMENT (STRUCTURES)

**REINFORCED SHELLS**

GS SHELLS (STRUCTURAL FORMS)  
    . **REINFORCED SHELLS**  
RT ANISOTROPIC SHELLS  
    CORRUGATED SHELLS  
    CYLINDRICAL SHELLS  
    FLUID FILLED SHELLS  
    HEMISPHERICAL SHELLS  
    LIQUID FILLED SHELLS  
    METAL SHELLS  
    ORTHOTROPIC SHELLS  
    PLASTIC SHELLS  
    REINFORCEMENT (STRUCTURES)  
    REINFORCEMENT RINGS  
    SHELL STABILITY  
    SPHERICAL SHELLS  
    THIN WALLED SHELLS  
    TOROIDAL SHELLS  
    WIND TUNNEL WALLS

**∞ REINFORCEMENT**

SN (USE OF A MORE SPECIFIC TERM IS  
    RECOMMENDED--CONSULT THE TERMS  
    LISTED BELOW)  
RT REINFORCEMENT (PSYCHOLOGY)  
    REINFORCEMENT (STRUCTURES)

**REINFORCEMENT (PSYCHOLOGY)**

GS **REINFORCEMENT (PSYCHOLOGY)**  
    . REWARD (PSYCHOLOGY)  
RT LEARNING  
    MOTIVATION  
    ∞ REINFORCEMENT  
        SELF STIMULATION

**REINFORCEMENT (STRUCTURES)**

RT BULKHEADS  
    COMPOSITE MATERIALS  
    FILLERS  
    LONGERONS  
    REINFORCED PLASTICS  
    REINFORCED PLATES  
    REINFORCED SHELLS  
    ∞ REINFORCEMENT  
        REINFORCEMENT RINGS  
        RIBS (SUPPORTS)  
        RIGID STRUCTURES  
        RING STRUCTURES  
        STIFFENING  
        STRAKES  
        STRINGERS  
        STRUCTURAL MEMBERS  
        STRUCTURAL STABILITY  
        STRUCTURAL STRAIN  
        SUPPORTS  
        THICK WALLS  
        WIRE  
        WIRE CLOTH

**REINFORCEMENT RINGS**

GS RING STRUCTURES  
    . **REINFORCEMENT RINGS**  
RT REINFORCED SHELLS  
    REINFORCEMENT (STRUCTURES)  
    RIBS (SUPPORTS)  
    ∞ RINGS

**REINFORCING FIBERS**

GS FIBERS  
    . **REINFORCING FIBERS**

**RELATIVISTIC ELECTRON BEAMS****REINFORCING FIBERS-(CONT.)**

. . BORON FIBERS  
    . . CARBON FIBERS  
RT BORON REINFORCED MATERIALS  
    CARBON FIBER REINFORCED PLASTICS  
    CARBON-CARBON COMPOSITES  
    CERAMIC FIBERS  
    CERAMIC MATRIX COMPOSITES  
    COMPOSITE MATERIALS  
    DACRON (TRADEMARK)  
    FIBER COMPOSITES  
    FIBER ORIENTATION  
    GLASS FIBER REINFORCED PLASTICS  
    GLASS FIBERS  
    GRAPHITE-EPOXY COMPOSITES  
    LAY-UP  
    METAL FIBERS  
    METAL MATRIX COMPOSITES  
    MICROMECHANICS  
    REINFORCING MATERIALS  
    SUPERHYBRID MATERIALS  
    SYNTHETIC FIBERS  
    WHISKER COMPOSITES

**REINFORCING MATERIALS**

RT COMPOSITE MATERIALS  
    FABRICS  
    FIBER COMPOSITES  
    FIBERS  
    ∞ FILAMENTS  
    ∞ MATERIALS  
        MATRIX MATERIALS  
        REINFORCING FIBERS

**REISSNER THEORY**

RT PLATES (STRUCTURAL MEMBERS)  
    STRESS ANALYSIS  
    ∞ THEORIES

**REISSNER-NORDSTROM SOLUTION**

RT ASTRONOMICAL MODELS  
    BLACK HOLES (ASTRONOMY)  
    CHARGED PARTICLES  
    GRAVITATIONAL EFFECTS  
    RELATIVITY

**REJECTION**

RT ACCEPTABILITY  
    ELIMINATION  
    EVALUATION  
    EXCLUSION  
    REMOVAL  
    SELECTION

**∞ RELATIONSHIPS**

SN (USE OF A MORE SPECIFIC TERM IS  
    RECOMMENDED--CONSULT THE TERMS  
    LISTED BELOW)  
UF INTERRELATIONSHIPS  
RT APPROXIMATION  
    DUALITY THEOREM  
    HOMOLOGY  
    STRESS-STRAIN RELATIONSHIPS

**RELATIVE BIOLOGICAL EFFECTIVENESS (RBE)**

UF RBE  
GS BIOLOGICAL EFFECTS  
    . **RELATIVE BIOLOGICAL  
        EFFECTIVENESS (RBE)**  
RT ∞ BIOLOGY  
    PHYSIOLOGICAL EFFECTS

**RELATIVISTIC EFFECTS**

RT DIMENSIONS  
    ∞ EFFECTS  
        GRAVITATIONAL LENSES  
        MASS  
        RELATIVITY  
        TIME  
        VELOCITY

**RELATIVISTIC ELECTRON BEAMS**

UF REB  
GS BEAMS (RADIATION)  
    . PARTICLE BEAMS  
    . ELECTRON BEAMS  
    . . . **RELATIVISTIC ELECTRON BEAMS**  
        PARTICLES  
        . CORPUSCULAR RADIATION  
        . ELECTRON RADIATION  
        . . . ELECTRON BEAMS  
        . . . **RELATIVISTIC ELECTRON BEAMS**  
        . RELATIVISTIC PARTICLES  
        . **RELATIVISTIC ELECTRON BEAMS**  
RT BEAM PLASMA AMPLIFIERS

## RELATIVISTIC PARTICLES

### RELATIVISTIC ELECTRON BEAMS-(CONT.)

BETA PARTICLES  
CONTROLLED FUSION  
DIFFRACTION RADIATION  
ELECTRON BOMBARDMENT  
ELECTRON SCATTERING  
INERTIAL FUSION (REACTOR)  
IONIZING RADIATION  
PLASMA HEATING  
PLASMA JETS  
PLASMA-PARTICLE INTERACTIONS

### RELATIVISTIC PARTICLES

GS PARTICLES  
RELATIVISTIC PARTICLES  
RELATIVISTIC ELECTRON BEAMS  
RT HAMILTON-JACOBI EQUATION

### RELATIVISTIC PLASMAS

GS PARTICLES  
CHARGED PARTICLES  
ENERGETIC PARTICLES  
PLASMAS (PHYSICS)  
RELATIVISTIC PLASMAS  
RT ASTRON THERMONUCLEAR REACTOR  
BREMSSTRAHLUNG  
COSMIC PLASMA  
ELECTRON PLASMA  
GRAVITATIONAL COLLAPSE  
HIGH TEMPERATURE PLASMAS  
PINCH EFFECT  
PLASMA JETS  
PLASMA RADIATION  
PLASMA-PARTICLE INTERACTIONS  
PONDEROMOTIVE FORCES

### RELATIVISTIC THEORY

UF WIGHTMAN THEORY  
RT THEORIES

### RELATIVISTIC VELOCITY

GS RATES (PER TIME)  
RELATIVISTIC VELOCITY  
VELOCITY  
RELATIVISTIC VELOCITY  
RT HIGH SPEED  
HYPERVELOCITY  
LIGHT SPEED  
PARTICLE MOTION

### RELATIVITY

UF GEOMETRODYNAMICS  
SPACE-TIME CONTINUUM  
RT BIG BANG COSMOLOGY  
CONTINUUMS  
DIFFERENTIAL GEOMETRY  
FIELD THEORY (PHYSICS)  
GRAND UNIFIED THEORY  
GRAVITATIONAL LENSES  
GRAVITY PROBE B  
INERTIAL REFERENCE SYSTEMS  
LIGHT-CONE EXPANSION  
LORENTZ CONTRACTION  
NAKED SINGULARITIES  
NONRELATIVISTIC MECHANICS  
PARADOXES  
PONDEROMOTIVE FORCES  
QUANTUM MECHANICS  
REISSNER-NORDSTROM SOLUTION  
RELATIVISTIC EFFECTS  
SCHWARZSCHILD METRIC  
SPACE-TIME FUNCTIONS  
STRING THEORY  
SUPERGRAVITY  
TENSOR ANALYSIS  
UNIFIED FIELD THEORY

### RELAXATION

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT CROSS RELAXATION  
MOLECULAR RELAXATION  
REFRACTORY PERIOD  
RELAXATION (MECHANICS)  
RELAXATION (PHYSIOLOGY)  
RELAXATION METHOD (MATHEMATICS)

### RELAXATION (MECHANICS)

GS RELAXATION (MECHANICS)  
SPIN-LATTICE RELAXATION  
STRESS RELAXATION  
RT EQUILIBRIUM  
EXPANSION  
MAGNETIC RELAXATION

### RELAXATION (MECHANICS)-(CONT.)

MOLECULAR RELAXATION  
NUCLEAR RELAXATION  
REDUCTION  
RELAXATION METHOD (MATHEMATICS)  
RELAXATION TIME  
RESIDUAL STRESS  
STRAIN ENERGY RELEASE RATE  
VISCOELASTICITY  
VISCOPLASTICITY

### RELAXATION (PHYSIOLOGY)

RT COMPRESSIBILITY EFFECTS  
MASSAGING  
RECREATION  
RELAXATION  
WORK-REST CYCLE

### RELAXATION METHOD (MATHEMATICS)

GS ANALYSIS (MATHEMATICS)  
NUMERICAL ANALYSIS  
APPROXIMATION  
RELAXATION METHOD  
(MATHEMATICS)  
RT COMPUTATIONAL FLUID DYNAMICS  
METHODODOLOGY  
RELAXATION  
RELAXATION (MECHANICS)

### RELAXATION OSCILLATORS

GS OSCILLATORS  
RELAXATION OSCILLATORS  
PHANTASTRONS

### RELAXATION TIME

GS TIME  
RELAXATION TIME  
RT EQUILIBRIUM  
EXCITATION  
MAXWELL BODIES  
MOLECULAR RELAXATION  
SPIN-LATTICE RELAXATION  
TIME CONSTANT

### RELAY

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT DISCONNECT DEVICES  
ELECTRIC CONTACTS  
ELECTRIC RELAYS  
LOGIC CIRCUITS  
RADIO RELAY SYSTEMS  
REPEATERS

### RELAY SATELLITES

GS ARTIFICIAL SATELLITES  
COMMUNICATION SATELLITES  
RELAY SATELLITES  
RELAY 1 SATELLITE  
RELAY 2 SATELLITE  
RT ADVENT PROJECT  
THOR DELTA LAUNCH VEHICLE  
TRANSOCEANIC COMMUNICATION

### RELAY 1 SATELLITE

GS ARTIFICIAL SATELLITES  
COMMUNICATION SATELLITES  
RELAY SATELLITES  
RELAY 1 SATELLITE

### RELAY 2 SATELLITE

GS ARTIFICIAL SATELLITES  
COMMUNICATION SATELLITES  
RELAY SATELLITES  
RELAY 2 SATELLITE

### RELEASING

GS RELEASING  
FIBER RELEASE  
RT DECOUPLING  
DISCHARGE  
DISCONNECT DEVICES  
DISPERSING  
DUMPING  
EJECTION  
EMISSION  
EMPTYING  
EXHAUST EMISSION  
MATERIALS HANDLING  
RELIEVING  
SCATTERING  
SPILLING  
UNLOADING

### RELEASING-(CONT.)

VENTING

### RELIABILITY

GS RELIABILITY  
AIRCRAFT RELIABILITY  
CIRCUIT RELIABILITY  
COMPONENT RELIABILITY  
SPACECRAFT RELIABILITY  
STRUCTURAL RELIABILITY  
RT ACCEPTABILITY  
ACCURACY  
AIRCRAFT SURVIVABILITY  
ALLOWANCES  
ASSURANCE  
CENSORED DATA (MATHEMATICS)  
COMPUTER SYSTEMS PERFORMANCE  
CONFIDENCE  
CONFIDENCE LIMITS  
CONSISTENCY  
CUMULATIVE DAMAGE  
DESIGN  
DESIGN ANALYSIS  
DOWNTIME  
DURABILITY  
DYNAMIC CHARACTERISTICS  
ERRORS  
ESTIMATES  
EXPECTATION  
FAILURE ANALYSIS  
FORECASTING  
MAINTAINABILITY  
MAINTENANCE  
MAXIMUM LIKELIHOOD ESTIMATES  
MECHANICAL PROPERTIES  
MISSILE DESIGN  
MTBF  
NONDESTRUCTIVE TESTS  
PERFORMANCE  
PERFORMANCE PREDICTION  
PRECISION  
PRELAUNCH PROBLEMS  
PROBABILITY THEORY  
PRODUCT DEVELOPMENT  
PRODUCTION MANAGEMENT  
PRODUCTIVITY  
QUALITY  
QUALITY CONTROL  
REDUNDANCY  
REDUNDANT COMPONENTS  
RISK  
SAFETY FACTORS  
SAMPLING  
SPECIFICATIONS  
STABILITY  
STANDARDS  
STATISTICAL ANALYSIS  
STATISTICAL DISTRIBUTIONS  
STATISTICAL TESTS  
STATISTICS  
SYSTEM EFFECTIVENESS  
SYSTEMS COMPATIBILITY  
SYSTEMS ENGINEERING  
TESTS  
TOLERANCES (MECHANICS)  
VALIDITY  
VARIABILITY  
VULNERABILITY

### RELIABILITY ANALYSIS

RT ANALYZING  
DESIGN ANALYSIS  
PERFORMANCE PREDICTION

### RELIABILITY CONTROL

USE QUALITY CONTROL  
RELIABILITY ENGINEERING

### RELIABILITY ENGINEERING

UF RELIABILITY CONTROL  
RT COMPLEX SYSTEMS  
ENGINEERING  
FAULT TOLERANCE  
PERFORMANCE PREDICTION  
QUALITY CONTROL  
SNEAK CIRCUIT ANALYSIS  
SYSTEM EFFECTIVENESS  
SYSTEM IDENTIFICATION  
SYSTEMS COMPATIBILITY  
SYSTEMS ENGINEERING  
VALUE ENGINEERING

### RELIC RADIATION

RT ASTRONOMY  
ASTROPHYSICS

# RENDEZVOUS

## RELIC RADIATION-(CONT.)

BACKGROUND RADIATION  
BIG BANG COSMOLOGY  
EXTRATERRESTRIAL RADIATION  
∞ RADIATION  
UNIVERSE

## RELIEF MAPS

GS MAPS  
RT . RELIEF MAPS  
HYPSOGRAPHY  
PHOTOGRAMMETRY  
PHOTOMAPS  
TOPOGRAPHY

## RELIEF VALVES

GS REGULATORS  
. RELIEF VALVES  
VALVES  
. AUTOMATIC CONTROL VALVES  
. . . RELIEF VALVES  
RT AUTOMATIC CONTROL  
BYPASSES  
FUEL TANK PRESSURIZATION  
FUEL VALVES  
GAS VALVES  
HYDRAULIC EQUIPMENT  
PRESSURE REGULATORS  
REACTOR SAFETY  
VENTING  
VENTS

## RELIEVING

GS RELIEVING  
. STRESS RELIEVING  
RT ∞ DISCHARGE  
EXHAUSTING  
PURGING  
RELEASING

## RELOCATION

RT INSTALLING  
POSITIONING  
REPLACING

## RELUCTANCE

UF RELUCTIVITY  
GS MAGNETIC PROPERTIES  
RT . RELUCTANCE  
MAGNETIC PERMEABILITY  
MAGNETORESISTIVITY

## RELUCTIVITY

USE RELUCTANCE

## REMAGNETIZATION

USE MAGNETIZATION

## REMANENCE

GS MAGNETIC PROPERTIES  
. REMANENCE  
RT FLUX DENSITY  
PALEOMAGNETISM

## REMELTING

USE MELTING

## REMODULATION

RT DEMODULATION  
INTERMODULATION  
MODULATION

## REMOTE CONSOLES

GS CONSOLES  
. REMOTE CONSOLES  
DATA PROCESSING EQUIPMENT  
. PERIPHERAL EQUIPMENT  
(COMPUTERS)  
. . . REMOTE CONSOLES  
RT COMPUTER COMPONENTS  
COMPUTER GRAPHICS  
DATA LINKS  
DATA PROCESSING TERMINALS  
DISPLAY DEVICES  
PLOTTERS  
READOUT

## REMOTE CONTROL

UF ELECTROMAGNETIC CONTROL  
GS . REMOTE CONTROL  
. RADIO CONTROL  
RT AIRCRAFT CONTROL  
ANTIRADIATION MISSILES  
ATTITUDE CONTROL

## REMOTE CONTROL-(CONT.)

AUTOMATIC CONTROL  
∞ AUTOMATION  
CASCADE CONTROL  
∞ CONTROL  
CONTROL BOARDS  
CONTROLLERS  
DIGITAL COMMAND SYSTEMS  
DYNAMIC CHARACTERISTICS  
ELECTRIC CONTROL  
ELECTRONIC CONTROL  
ENGINE CONTROL  
FLIGHT CONTROL  
GROUND BASED CONTROL  
GUIDANCE (MOTION)  
HYDRAULIC CONTROL  
∞ INSTRUMENTS  
KALMAN-SCHMIDT FILTERING  
MANIPULATORS  
MANUAL CONTROL  
MISSILE CONTROL  
PNEUMATIC CONTROL  
REMOTE MANIPULATOR SYSTEM  
ROCKET ENGINE CONTROL  
SATELLITE CONTROL  
SERVOCONTROL  
SERVOMECHANISMS  
SPACECRAFT CONTROL  
TELEOPERATORS  
TEMPERATURE CONTROL  
TURBOJET ENGINE CONTROL  
VISUAL CONTROL

## REMOTE HANDLING

UF TELECHIRICS  
GS MATERIALS HANDLING  
RT . REMOTE HANDLING  
MANIPULATORS  
PAYLOAD DEPLOYMENT & RETRIEVAL  
SYSTEM  
TELEOPERATORS

## REMOTE MANIPULATOR SYSTEM

GS MANIPULATORS  
. REMOTE MANIPULATOR SYSTEM  
PAYLOAD DEPLOYMENT & RETRIEVAL  
SYSTEM  
RT . REMOTE MANIPULATOR SYSTEM  
MASS DRIVERS (PAYLOAD DELIVERY)  
PAYLOAD RETRIEVAL (STS)  
REMOTE CONTROL  
SPACE MAINTENANCE  
SPACE TRANSPORTATION SYSTEM  
∞ SYSTEMS

## REMOTE REGIONS

GS REGIONS  
. REMOTE REGIONS  
. . . ANTARCTIC REGIONS  
. . . ARCTIC REGIONS  
RT DESERTS  
MOJAVE DESERT (CA)  
OFFSHORE REACTOR SITES  
SAHARA DESERT (AFRICA)  
WILDERNESS

## REMOTE SENSING

GS DETECTION  
RT . REMOTE SENSING  
AEROMAGNETISM  
BAND RATIOING  
CHANGE DETECTION  
CLUSTER ANALYSIS  
COASTAL ZONE COLOR SCANNER  
DESERTIFICATION  
DMSP SATELLITES  
EARTH OBSERVING SYSTEM (EOS)  
EARTH RESOURCES  
FEATURE IDENTIFICATION AND  
LOCATION EXPR  
GEOGRAPHIC INFORMATION SYSTEMS  
IMAGE ANALYSIS  
IMAGING SPECTROMETERS  
LEAF AREA INDEX  
MAPSAT  
MULTISENSOR APPLICATIONS  
MULTISPECTRAL RESOURCE SAMPLER  
OSTA-3 PAYLOAD  
PIXELS  
PLANETARY GEOLOGY  
PLANT STRESS  
RECOGNITION  
SHUTTLE IMAGING RADAR  
SPACE STATION POLAR PLATFORMS  
SWATH WIDTH

## REMOTE SENSING-(CONT.)

THEMATIC MAPPERS (LANDSAT)  
VEGETATIVE INDEX

## REMOTE SENSORS

GS . REMOTE SENSORS  
THEMATIC MAPPERS (LANDSAT)  
RT AGRISTARS PROJECT  
AIRBORNE LASERS  
AUTOMATIC WEATHER STATIONS  
COASTAL ZONE COLOR SCANNER  
CROP IDENTIFICATION  
CROP INVENTORIES  
DATA ACQUISITION  
DATA COLLECTION PLATFORMS  
∞ DETECTORS  
EARTH RESOURCES  
EARTHNET  
EROS (SATELLITES)  
FEATURE IDENTIFICATION AND  
LOCATION EXPR  
GEOGRAPHIC APPLICATIONS PROGRAM  
HAZE DETECTION  
IMAGING RADAR  
MEASURING INSTRUMENTS  
MULTISENSOR APPLICATIONS  
OCEAN COLOR SCANNER  
∞ PROBES  
RADIOMETRIC RESOLUTION  
SATELLITE-BORNE INSTRUMENTS  
∞ SENSORS  
SPACEBORNE LASERS  
TRANSDUCERS  
WILDLIFE RADIOLOCATION

## REMOTELY PILOTED VEHICLES

UF RPV  
RT ∞ AIRCRAFT  
DAST PROGRAM  
DRONE AIRCRAFT  
HIGHLY MANEUVERABLE AIRCRAFT  
JINDIVIK TARGET AIRCRAFT  
OBLIQUE WINGS  
ORBITAL MANEUVERING VEHICLES  
PILOTLESS AIRCRAFT  
TARGET DRONE AIRCRAFT  
VATOL AIRCRAFT  
∞ VEHICLES

## REMOVAL

RT ANODIC STRIPPING  
CANCELLATION  
CARBON DIOXIDE REMOVAL  
CLEARING  
DELETION  
DEPLETION  
DISPOSAL  
DISSIPATION  
EJECTION  
EMPTYING  
EVACUATING (TRANSPORTATION)  
EVACUATING (VACUUM)  
EXHAUSTING  
EXPULSION  
EXTRACTION  
MATERIALS RECOVERY  
∞ REDUCTION  
REJECTION  
∞ SEPARATION  
UNLOADING  
WEAR

## REMS

USE RAPID EYE MOVEMENT STATE

## RENAL CALCULI

USE CALCULI

## RENAL FUNCTION

RT ∞ FUNCTIONS  
GLOMERULUS  
KIDNEYS

## RENDEZVOUS

GS . RENDEZVOUS  
. SPACE RENDEZVOUS  
. . . ORBITAL RENDEZVOUS  
. . . . EARTH ORBITAL RENDEZVOUS  
. . . . LUNAR ORBITAL RENDEZVOUS  
RT APOLLO SOYUZ TEST PROJECT  
FLIGHT MECHANICS  
INTERCEPTION  
ORBITAL MECHANICS



## RENDEZVOUS GUIDANCE

### RENDEZVOUS GUIDANCE

GS GUIDANCE (MOTION)  
**RENDEZVOUS GUIDANCE**  
 RT COMMAND GUIDANCE  
 HOMING DEVICES  
 INJECTION GUIDANCE  
 MIDCOURSE GUIDANCE  
 ORBITAL RENDEZVOUS  
 SATELLITE GUIDANCE  
 SPACECRAFT GUIDANCE  
 TERMINAL GUIDANCE

### RENDEZVOUS SPACECRAFT

GS MANEUVERABLE SPACECRAFT  
**RENDEZVOUS SPACECRAFT**  
 RT COLUMBUS SPACE STATION  
 COMMAND GUIDANCE  
 FERRY SPACECRAFT  
 INTERPLANETARY SPACECRAFT  
 LUNAR SPACECRAFT  
 MANNED SPACECRAFT  
 MILITARY SPACECRAFT  
 ORBITAL RENDEZVOUS  
 RECOVERABLE SPACECRAFT  
 SPACE CAPSULES  
 SPACE STATIONS  
 SPACECREW TRANSFER  
 UNMANNED SPACECRAFT

### RENDEZVOUS TRAJECTORIES

GS TRAJECTORIES  
**RENDEZVOUS TRAJECTORIES**  
 RT ASCENT TRAJECTORIES  
 CIRCUMLUNAR TRAJECTORIES  
 EARTH ORBITAL RENDEZVOUS  
 EARTH-MOON TRAJECTORIES  
 FLIGHT MECHANICS  
 INTERPLANETARY TRAJECTORIES  
 ORBITAL MECHANICS  
 ORBITAL RENDEZVOUS  
 SPACE RENDEZVOUS  
 SPACECRAFT DOCKING  
 SPACECRAFT TRAJECTORIES

### RENE 41

GS ALLOYS  
 . CHROMIUM ALLOYS  
 . **RENE 41**  
 . COBALT ALLOYS  
 . **RENE 41**  
 . HEAT RESISTANT ALLOYS  
 . REFRACTORY METAL ALLOYS  
 . . . MOLYBDENUM ALLOYS  
 . . . **RENE 41**  
 . NICKEL ALLOYS  
 . **RENE 41**  
 REFRACTORY MATERIALS  
 . REFRACTORY METAL ALLOYS  
 . . MOLYBDENUM ALLOYS  
 . . **RENE 41**  
 RT WROUGHT ALLOYS

### RENE 63

GS ALLOYS  
 . CHROMIUM ALLOYS  
 . **RENE 63**  
 . COBALT ALLOYS  
 . **RENE 63**  
 . HEAT RESISTANT ALLOYS  
 . REFRACTORY METAL ALLOYS  
 . . MOLYBDENUM ALLOYS  
 . . . **RENE 63**  
 . NICKEL ALLOYS  
 . **RENE 63**  
 REFRACTORY MATERIALS  
 . REFRACTORY METAL ALLOYS  
 . . MOLYBDENUM ALLOYS  
 . . **RENE 63**  
 RT WROUGHT ALLOYS

### RENE 77

GS ALLOYS  
 . CHROMIUM ALLOYS  
 . **RENE 77**  
 . COBALT ALLOYS  
 . **RENE 77**  
 . HEAT RESISTANT ALLOYS  
 . REFRACTORY METAL ALLOYS  
 . . MOLYBDENUM ALLOYS  
 . . . **RENE 77**  
 . NICKEL ALLOYS  
 . **RENE 77**  
 REFRACTORY MATERIALS  
 . REFRACTORY METAL ALLOYS  
 . . MOLYBDENUM ALLOYS

### RENE 77-(CONT.)

. . . **RENE 77**  
 RT WROUGHT ALLOYS

### RENE 95

GS ALLOYS  
 . CHROMIUM ALLOYS  
 . **RENE 95**  
 . COBALT ALLOYS  
 . **RENE 95**  
 . NICKEL ALLOYS  
 . **RENE 95**

### REORIENTATION

USE RETRAINING

### REPAIRING

USE MAINTENANCE

### REPEATERS

UF INTERPOLATORS  
 GS TRANSMITTERS  
 . **REPEATERS**  
 RT AMPLIFIERS  
 RADAR RECEIVERS  
 RECEIVERS  
 ∞ RELAY  
 ∞ TRANSLATORS

### REPETITION

RT COUNTING  
 PATTERN RECOGNITION  
 REDUNDANCY ENCODING

### REPLACING

RT DAMAGE ASSESSMENT  
 INSTALLING  
 MAINTENANCE  
 RELOCATION  
 REPLENISHMENT  
 SUBSTITUTES

### REPLENISHMENT

RT FILLING  
 INPUT  
 ∞ LOADING  
 REFILLING  
 REFUELING  
 REPLACING

### REPLICAS

RT ELECTRON MICROSCOPES  
 METALLOGRAPHY  
 MODELS  
 REPRODUCTION (COPYING)

### REPORT GENERATORS

RT COMPUTER PROGRAMS  
 COMPUTER SYSTEMS PROGRAMS  
 ∞ GENERATORS  
 USER MANUALS (COMPUTER PROGRAMS)

### REPORTS

GS **REPORTS**  
 . CONGRESSIONAL REPORTS  
 . POSTLAUNCH REPORTS  
 . PRESIDENTIAL REPORTS  
 . WAGE SURVEYS  
 RT AEROSPACE TECHNOLOGY TRANSFER  
 CONFERENCES  
 ∞ DISCUSSION  
 DOCUMENTATION  
 DOCUMENTS  
 INFORMATION  
 INFORMATION DISSEMINATION  
 PAPERS  
 RECORDS  
 SUMMARIES  
 SUPPLEMENTS  
 TECHNOLOGY TRANSFER

### REPRESENTATIONS

RT CHARACTERIZATION  
 DESCRIPTIONS  
 DRAWINGS  
 GRAPHS (CHARTS)  
 IMAGES  
 PHOTOGRAPHS  
 SIGNATURES

### ∞ REPRODUCTION

SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)  
 RT BIRTH  
 BREEDING (REPRODUCTION)  
 CELL DIVISION  
 FERTILITY  
 FERTILIZATION  
 GONADS  
 MITOSIS  
 OVARIES  
 POLLEN  
 RECORDS  
 REPRODUCTION (BIOLOGY)  
 REPRODUCTION (COPYING)  
 REPRODUCTIVE SYSTEMS  
 SEX GLANDS  
 SPERMATOZOA  
 SPORES  
 TESTES  
 UTERUS

### REPRODUCTION (BIOLOGY)

RT ∞ BIOLOGY  
 BREEDING (REPRODUCTION)  
 EMBRYOLOGY  
 FERTILITY  
 FETUSES  
 PROGENY  
 ∞ REPRODUCTION

### REPRODUCTION (COPYING)

UF DUPLICATING  
 GS IMAGERY  
 . **REPRODUCTION (COPYING)**  
 . XEROGRAPHY  
 RT BLUEPRINTS  
 DOCUMENT STORAGE  
 DRAWINGS  
 ENGINEERING DRAWINGS  
 LITHOGRAPHY  
 MICROFILMS  
 PHOTOGRAPHIC PROCESSING  
 EQUIPMENT  
 PHOTOGRAPHY  
 PRINTING  
 REPLICAS  
 ∞ REPRODUCTION  
 STENCIL PROCESSES

### REPRODUCTIVE SYSTEMS

GS ANATOMY  
 . GENITOURINARY SYSTEM  
 . **REPRODUCTIVE SYSTEMS**  
 . . . SEX GLANDS  
 . . . GONADS  
 . . . OVARIES  
 . . . TESTES  
 . . . PROSTATE GLAND  
 . . . UTERUS  
 RT BIRTH  
 CHROMOSOMES  
 FERTILITY  
 FETUSES  
 ∞ REPRODUCTION  
 ∞ SYSTEMS

### REPTILES

GS ANIMALS  
 . VERTEBRATES  
 . **REPTILES**  
 . . LIZARDS  
 . . SNAKES  
 . . TURTLES  
 RT POIKILOthermia

### REPUBLIC AIRCRAFT

GS **REPUBLIC AIRCRAFT**  
 . A-10 AIRCRAFT  
 . F-84 AIRCRAFT  
 . F-105 AIRCRAFT  
 RT ∞ AIRCRAFT

### REPUBLIC MILITARY AIRCRAFT

USE MILITARY AIRCRAFT

### REPUBLIC OF CHINA

USE TAIWAN

### REPUBLIC OF KOREA

USE SOUTH KOREA

## RESIDUAL GAS

### REPUBLIC OF SOUTH AFRICA

UF SOUTH AFRICA  
GS NATIONS  
RT AFRICA  
BOTSWANA  
KALAHARI BASIN (AFRICA)  
LESOTHO  
NAMIBIA  
SWAZILAND

### REPUBLIC OF VIETNAM

USE VIETNAM

### REPULSION

USE FORCE

### REQUIREMENTS

RT SPECIFICATIONS  
USER REQUIREMENTS

### RESCUE OPERATIONS

RT AERONAUTICAL SATELLITES  
COSPAS  
MAROTS (ESA)  
∞ OPERATIONS  
SARSAT  
SPACECRAFT RECOVERY

### RESEARCH

GS RESEARCH  
DYNAMIC PROGRAMMING  
HIGH TEMPERATURE RESEARCH  
LINEAR PROGRAMMING  
LOW DENSITY RESEARCH  
MARKET RESEARCH  
NONLINEAR PROGRAMMING  
NUCLEAR RESEARCH  
QUADRATIC PROGRAMMING  
RT CRITICAL PATH METHOD  
∞ DESIGN  
ETHICS  
EXPLORATION  
INTERSERVICE DATA EXCHANGE  
PROGRAM  
INVESTIGATION  
MINIMAX TECHNIQUE  
∞ RESEARCH PROJECTS

### RESEARCH AIRCRAFT

UF EXPERIMENTAL AIRCRAFT  
ORNITHOPTER AIRCRAFT  
GS RESEARCH AIRCRAFT  
AVIAN 2/180 AUTOIRO  
AVRO 707 AIRCRAFT  
B-70 AIRCRAFT  
BREGUET 940 AIRCRAFT  
C-8A AUGMENTOR WING AIRCRAFT  
D-558 AIRCRAFT  
FD 2 AIRCRAFT  
FIREBEE 2 TARGET DRONE AIRCRAFT  
H-17 HELICOPTER  
H-126 AIRCRAFT  
HP-115 AIRCRAFT  
NORD 1500 AIRCRAFT  
P-1052 AIRCRAFT  
QUESTOL  
ROTOR SYSTEMS RESEARCH  
AIRCRAFT  
SC-1 AIRCRAFT  
U-2 AIRCRAFT  
VZ-2 AIRCRAFT  
VZ-8 AIRCRAFT  
X-1 AIRCRAFT  
X-2 AIRCRAFT  
X-3 AIRCRAFT  
X-5 AIRCRAFT  
X-13 AIRCRAFT  
X-14 AIRCRAFT  
X-15 AIRCRAFT  
X-19 AIRCRAFT  
X-20 AIRCRAFT  
X-21 AIRCRAFT  
X-21A AIRCRAFT  
X-22 AIRCRAFT  
X-22A AIRCRAFT  
X-24 AIRCRAFT  
XH-51 HELICOPTER  
XV-4 AIRCRAFT  
XV-5 AIRCRAFT  
XV-8A AIRCRAFT  
XV-9A AIRCRAFT  
XV-11A AIRCRAFT  
RT AEROSPACE PLANES  
∞ AIRCRAFT

### RESEARCH AIRCRAFT-(CONT.)

DRONE AIRCRAFT  
FAN IN WING AIRCRAFT  
FLIGHT TEST VEHICLES  
FLYING PLATFORMS  
GROUND EFFECT MACHINES  
HOVERCRAFT GROUND EFFECT  
MACHINES  
HYPERSONIC AIRCRAFT  
JET AIRCRAFT  
JOINED WINGS  
METEOROLOGICAL RESEARCH  
AIRCRAFT  
∞ MILITARY AIRCRAFT  
NUCLEAR PROPELLED AIRCRAFT  
ROCKET PLANES  
SUBMERSIBLE AIRCRAFT  
SUPERSONIC AIRCRAFT  
TAILLESS AIRCRAFT  
TANDEM WING AIRCRAFT  
TEST VEHICLES  
TILT WING AIRCRAFT  
V/STOL AIRCRAFT  
VERTICAL TAKEOFF AIRCRAFT  
∞ WINGED VEHICLES  
YF-12 AIRCRAFT

### RESEARCH AND DEVELOPMENT

RT ∞ DESIGN  
INVESTIGATION  
MANAGEMENT PLANNING  
OPERATIONS RESEARCH  
OUTER SPACE TREATY  
PROGRAMS  
PROJECT MANAGEMENT  
∞ RESEARCH PROJECTS  
SYSTEMS ENGINEERING  
TECHNOLOGY UTILIZATION  
WEAPONS DEVELOPMENT

### RESEARCH FACILITIES

RT ∞ FACILITIES  
LABORATORIES  
∞ RESEARCH PROJECTS  
SPACE INDUSTRIALIZATION  
SPACE LABORATORIES  
TEST FACILITIES

### RESEARCH MANAGEMENT

GS MANAGEMENT  
RESEARCH MANAGEMENT  
RT ALLOCATIONS  
BLOCK DIAGRAMS  
∞ BUDGETS  
ENGINEERING MANAGEMENT  
FEASIBILITY ANALYSIS  
GOALS  
INDUSTRIAL MANAGEMENT  
MANPOWER  
OPERATIONS RESEARCH  
PERSONNEL  
PRIORITIES

### RESEARCH PROJECTS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT CHINESE SPACE PROGRAM  
EARTH & OCEAN PHYSICS  
APPLICATIONS PROGRAM  
FRENCH SPACE PROGRAMS  
INDIAN SPACE PROGRAM  
JAPANESE SPACE PROGRAM  
MANAGEMENT  
NASA PROGRAMS  
PROGRAMS  
PROJECT MANAGEMENT  
PROJECTS  
RESEARCH  
RESEARCH AND DEVELOPMENT  
RESEARCH FACILITIES  
SPACE PROGRAMS  
SPHINX

### RESEARCH VEHICLES

SN (VEHICLES DESIGNED TO BE SUBJECTS  
OF RESEARCH--NOT RESEARCH  
EQUIPMENT CONTAINERS)  
GS RESEARCH VEHICLES  
AUTOMATED MIXED TRAFFIC  
VEHICLES  
UNDERWATER RESEARCH  
LABORATORIES  
X-30 VEHICLE  
RT BOATS

### RESEARCH VEHICLES-(CONT.)

ELECTRIC MOTOR VEHICLES  
∞ FLIGHT VEHICLES  
LUNAR ROVING VEHICLES  
∞ MILITARY VEHICLES  
ROVING VEHICLES  
SHIPS  
SPACE LABORATORIES  
∞ SPACECRAFT  
SURFACE EFFECT SHIPS  
UNDERWATER VEHICLES  
∞ VEHICLES  
WATER VEHICLES

### RESERPINE

GS BASES (CHEMICAL)  
ALKALOIDS  
RESERPINE  
DRUGS  
PENTOBARBITAL SODIUM  
RESERPINE  
NITROGEN COMPOUNDS  
ALKALOIDS  
RESERPINE  
ORGANIC COMPOUNDS  
CYCLIC COMPOUNDS  
HETEROCYCLIC COMPOUNDS  
ALKALOIDS  
RESERPINE  
RT ANTIHYPERTENSIVE AGENTS

### RESERVES

RT ABUNDANCE  
AVAILABILITY  
BACKUPS  
CONTINGENCY  
CRUDE OIL  
ECONOMIC FACTORS  
ENERGY POLICY  
ESTIMATES  
ESTIMATING  
EVALUATION  
EXPLOITATION  
EXPLORATION  
FORECASTING  
INVENTORIES  
INVENTORY CONTROLS  
∞ MATERIALS  
MINERAL DEPOSITS  
MINES (EXCAVATIONS)  
∞ PRODUCTION  
RESOURCES  
STOCKPILING  
∞ STORAGE

### RESERVOIRS

SN (FOR SURFACE WATER STORAGE--NOT  
OIL OR GAS POOLS)  
RT DAMS  
EVAPORATION  
FRESH WATER  
LAGOONS  
LAKE TEXOMA (OK-TX)  
LAKES  
PONDS  
RIVERS  
SOLAR PONDS (HEAT STORAGE)  
STREAMS  
WATER RESOURCES  
WINDPOWERED PUMPS

### RESIDENTIAL AREAS

RT CITIES  
INHABITANTS  
LAND  
LAND USE  
MEGALOPOLISES  
REGIONAL PLANNING  
RURAL AREAS  
SUBURBAN AREAS  
URBAN DEVELOPMENT

### RESIDENTIAL ENERGY

RT ENERGY CONSERVATION  
ENERGY TECHNOLOGY  
HEAT PUMPS  
SOLAR COOLING  
SOLAR HEATING  
SOLAR HOUSES  
SPACE COOLING (BUILDINGS)  
SPACE HEATING (BUILDINGS)  
WATER HEATING

### RESIDUAL GAS

GS GASES

## RESIDUAL STRENGTH

### RESIDUAL GAS-(CONT.)

RT GETTERS  
HIGH VACUUM  
OUTGASSING  
PARTIAL PRESSURE  
ULTRAHIGH VACUUM  
VACUUM APPARATUS  
VACUUM TUBES

### RESIDUAL STRENGTH

RT CRACK PROPAGATION  
FATIGUE (MATERIALS)  
FRACTURE MECHANICS  
FRACTURE STRENGTH  
RESIDUAL STRESS  
∞ STRENGTH  
TENSILE STRENGTH

### RESIDUAL STRESS

UF INTERNAL STRESS  
GS STRESSES  
RT CREEP PROPERTIES  
MACHINING  
RELAXATION (MECHANICS)  
RESIDUAL STRENGTH  
STRAIN HARDENING  
STRESS RELAXATION  
STRESS RELIEVING  
STRESS-STRAIN RELATIONSHIPS  
TEMPERATURE INVERSIONS

### RESIDUES

RT ASHES  
ORGANIC WASTES (FUEL CONVERSION)  
REACTION PRODUCTS  
SOLID WASTES  
WASTE TREATMENT  
WASTE WATER  
WASTES

### RESILIENCE

GS MECHANICAL PROPERTIES  
RESILIENCE  
RT COMPRESSIVE STRENGTH  
ELASTIC PROPERTIES  
SHEAR PROPERTIES  
SPRINGS (ELASTIC)  
TENSILE STRENGTH

### RESIN BONDING

GS BONDING  
RESIN BONDING  
RT ADHESIVE BONDING  
METAL BONDING  
METAL-METAL BONDING

### RESIN MATRIX COMPOSITES

GS COMPOSITE MATERIALS  
RESIN MATRIX COMPOSITES  
BORON-EPOXY COMPOSITES  
GRAPHITE-EPOXY COMPOSITES  
RT BISMALIMIDE  
EPOXY RESINS  
MATRIX MATERIALS  
METAL MATRIX COMPOSITES  
PEEK  
POLYIMIDE RESINS  
POLYMER MATRIX COMPOSITES  
PREPREGS  
PULTRUSION  
RESINS

### RESINS

GS RESINS  
ALKYD RESINS  
ION EXCHANGE RESINS  
POLYIMIDE RESINS  
POLYURETHANE RESINS  
SILICONE RESINS  
SYNTHETIC RESINS  
ADDITION RESINS  
ACRYLIC RESINS  
VINYL COPOLYMERS  
POLYESTER RESINS  
POLYETHER RESINS  
PEEK  
POLYMETHYL METHACRYLATE  
THERMOPLASTIC RESINS  
PEEK  
QUINOXALINES  
THERMOPLASTIC FILMS  
THERMOSETTING RESINS  
EPOXY RESINS

### RESINS-(CONT.)

PHENOLIC EPOXY RESINS  
FURAN RESINS  
POLYAMIDE RESINS  
KEVLAR (TRADEMARK)  
PHENOLIC RESINS  
MICARTA  
PHENOLIC EPOXY RESINS  
RT ACRYLATES  
BAKELITE (TRADEMARK)  
BISMALIMIDE  
DELTRIN (TRADEMARK)  
FILLERS  
LEXAN (TRADEMARK)  
MELAMINE  
PARAPLASTS  
∞ PATTERNS  
PHENOL FORMALDEHYDE  
PHLOROGLUCINOL  
PLASTISOLS  
RESIN MATRIX COMPOSITES  
TEFLON (TRADEMARK)

### ∞ RESISTANCE

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
UF CONDUCTANCE  
RESISTANCE COEFFICIENTS  
RT ABRASION RESISTANCE  
ACCELERATION TOLERANCE  
ACOUSTIC PROPERTIES  
AERODYNAMIC DRAG  
CHEMICAL PROPERTIES  
CONSTRICTIONS  
CONTACT RESISTANCE  
CORROSION RESISTANCE  
CRACK PROPAGATION  
CREEP STRENGTH  
DAMPING  
DIFFUSIVITY  
DURABILITY  
EARTHQUAKE RESISTANCE  
ELECTRICAL PROPERTIES  
ELECTRICAL RESISTANCE  
ELECTRICAL RESISTIVITY  
FLAMMABILITY  
FLOW RESISTANCE  
FRACTURE STRENGTH  
FUSIBILITY  
∞ HIGH RESISTANCE  
IMMUNITY  
IMPACT RESISTANCE  
IMPACT STRENGTH  
IMPEDANCE  
KAPITZA RESISTANCE  
LIFE (DURABILITY)  
∞ LOW RESISTANCE  
MAGNETORESISTIVITY  
MOISTURE RESISTANCE  
NEGATIVE RESISTANCE CIRCUITS  
NEGATIVE RESISTANCE DEVICES  
OXIDATION RESISTANCE  
PERMEABILITY  
PREVENTION  
PROTECTION  
QUALITY  
RADIATION TOLERANCE  
RESISTANCE THERMOMETERS  
RETARDING  
SENSITIVITY  
SHOCK RESISTANCE  
SKIN RESISTANCE  
STABILITY  
THERMAL RESISTANCE  
TOLERANCES (PHYSIOLOGY)  
TRANSCONDUCTANCE  
VULNERABILITY  
WAVE RESISTANCE  
WEAR RESISTANCE

### RESISTANCE COEFFICIENTS

USE RESISTANCE

### RESISTANCE HEATING

UF JOULE HEATING  
GS HEATING  
RESISTANCE HEATING  
RT ARC HEATING  
ELECTROSLAG REFINING  
GAS HEATING  
LEVITATION MELTING

### RESISTANCE THERMOMETERS

GS MEASURING INSTRUMENTS

### RESISTANCE THERMOMETERS-(CONT.)

TEMPERATURE MEASURING  
INSTRUMENTS  
THERMOMETERS  
RESISTANCE THERMOMETERS  
RT BOLOMETERS  
OHMMETERS  
∞ RESISTANCE  
TEMPERATURE MEASUREMENT  
THERMOCOUPLE PYROMETERS

### RESISTIVITY

USE ELECTRICAL RESISTIVITY

### RESISTOJET ENGINES

UF RESISTOJETS  
GS ENGINES  
ROCKET ENGINES  
ELECTRIC ROCKET ENGINES  
ELECTROTHERMAL ENGINES  
RESISTOJET ENGINES  
RT ARC JET ENGINES  
PLASMA ENGINES  
PULSED JET ENGINES  
SPACE STATION PROPULSION

### RESISTOJETS

USE RESISTOJET ENGINES

### RESISTORS

UF TUNNEL RESISTORS  
GS ATTENUATORS  
RESISTORS  
POTENTIOMETERS (RESISTORS)  
PRINTED RESISTORS  
THERMISTORS  
RT BALLASTS (IMPEDANCES)  
ELECTRIC CONDUCTORS  
ELECTRIC FILTERS  
ELECTRIC REACTORS  
FILAMENTS  
PHOTOCONDUCTORS  
SEMICONDUCTORS (MATERIALS)  
SOLID STATE DEVICES  
VARISTORS

### RESOLUTION

UF RESOLVING POWER  
GS RESOLUTION  
ANGULAR RESOLUTION  
HIGH RESOLUTION  
IMAGE RESOLUTION  
RADAR RESOLUTION  
RADIOMETRIC RESOLUTION  
SPATIAL RESOLUTION  
SPECTRAL RESOLUTION  
TEMPORAL RESOLUTION  
RT ACCURACY  
AUTOMATIC TRAFFIC ADVISORY AND  
RESOLUTION  
BLURRING  
CHARACTER RECOGNITION  
CONTRAST  
DEFINITION  
DYNAMIC CHARACTERISTICS  
ERRORS  
FOCI  
HIGH RESOLUTION COVERAGE  
ANTENNAS  
IMAGE CONTRAST  
IMAGE ENHANCEMENT  
LEGIBILITY  
LOCI  
OPTICS  
PERCEPTION  
POWER  
PRECISION  
RESOLUTION CELL  
SENSITIVITY  
SPATIAL FILTERING  
STARK EFFECT  
THRESHOLDS  
TOLERANCES (MECHANICS)  
VISIBILITY  
VISION

### RESOLUTION CELL

RT CELLS  
IMAGING TECHNIQUES  
RADAR DETECTION  
RADAR IMAGERY  
RESOLUTION

### RESOLVERS

RT ANALOG COMPUTERS

**RESOLVERS-(CONT.)**

INSTRUMENT TRANSFORMERS  
TRANSFORMERS

**RESOLVING POWER**

USE RESOLUTION

**RESONANCE**

GS **RESONANCE**  
 . BARYON RESONANCE  
 . CYCLOTRON RESONANCE  
 . MAGNETIC RESONANCE  
 . FERROMAGNETIC RESONANCE  
 . NUCLEAR MAGNETIC RESONANCE  
 . . . PROTON MAGNETIC RESONANCE  
 . . . PROTON RESONANCE  
 . . . PARAMAGNETIC RESONANCE  
 . . . ELECTRON PARAMAGNETIC  
 . . . RESONANCE  
 . MAGNETOSONIC RESONANCE  
 . MESON RESONANCE  
 . . X MESONS  
 . MICROWAVE RESONANCE  
 . NUCLEAR QUADRUPOLE RESONANCE  
 . OPTICAL RESONANCE  
 . ORBITAL RESONANCES (CELESTIAL  
 . . . MECHANICS)  
 . PLASMA RESONANCE  
 . . . RESONANT VIBRATION  
 . . . SPIN RESONANCE  
 RT FOSTER THEORY  
 OSCILLATIONS  
 OVERHAUSER EFFECT  
 RESONANT FREQUENCIES  
 SYNTONY  
 TUNING  
 VIBRATION

**RESONANCE CHARGE EXCHANGE**

GS EXCHANGING  
 . CHARGE EXCHANGE  
 . . . **RESONANCE CHARGE EXCHANGE**  
 RT SPIN EXCHANGE

**RESONANCE FLUORESCENCE**

UF RESONANCE RADIATION  
 GS EMISSION  
 . LIGHT EMISSION  
 . . LUMINESCENCE  
 . . . FLUORESCENCE  
 . . . . **RESONANCE FLUORESCENCE**  
 RT ATOMIC EXCITATIONS  
 ATOMIC PHYSICS  
 QUANTUM ELECTRODYNAMICS  
 ∞ RADIATION

**RESONANCE LINES**

UF DIELECTRONIC SATELLITE LINES  
 RT LINE SPECTRA  
 OPTICAL RESONANCE  
 PLASMA RESONANCE

**RESONANCE PROBES**

GS MEASURING INSTRUMENTS  
 . **RESONANCE PROBES**  
 RT IMPEDANCE PROBES  
 MAGNETIC PROBES  
 MICROWAVE PLASMA PROBES  
 PLASMA DIAGNOSTICS  
 PLASMA RESONANCE  
 TUNERS

**RESONANCE RADIATION**

USE RESONANCE FLUORESCENCE

**RESONANCE SCATTERING**

SN (INTERACTION WITH THE INTERIOR OF  
 THE NUCLEUS--EXCLUDES POTENTIAL  
 SCATTERING)  
 GS NUCLEAR REACTIONS  
 . NUCLEAR SCATTERING  
 . . **RESONANCE SCATTERING**  
 . . . SCATTERING  
 . . . NUCLEAR SCATTERING  
 . . . **RESONANCE SCATTERING**  
 RT INVERSE SCATTERING  
 MOSSBAUER EFFECT  
 NEUTRON SCATTERING

**RESONANCE TESTING**

RT DAMPING TESTS  
 ELASTIC DAMPING  
 ELECTRONIC EQUIPMENT TESTS  
 FATIGUE TESTS

**RESONANCE TESTING-(CONT.)**

RESONANT FREQUENCIES  
 STABILITY TESTS  
 STATIC TESTS  
 STRUCTURAL STABILITY  
 ∞ TESTS  
 VIBRATION TESTS  
 VISCOUS DAMPING

**RESONANT CAVITIES**

USE CAVITY RESONATORS

**RESONANT FREQUENCIES**

UF NATURAL FREQUENCIES  
 VIBRATIONAL FREQUENCIES  
 (STRUCTURAL)  
 GS FREQUENCIES  
 . **RESONANT FREQUENCIES**  
 RT ACOUSTIC FREQUENCIES  
 ANTINODES  
 BANDWIDTH  
 BEAT FREQUENCIES  
 BORDONI PEAKS  
 CAVITY RESONATORS  
 CRITICAL FREQUENCIES  
 CRITICAL VELOCITY  
 DAMPING  
 DYNAMIC CHARACTERISTICS  
 ∞ DYNAMICS  
 ELECTROMAGNETIC ABSORPTION  
 HARMONICS  
 IMPEDANCE  
 MOSSBAUER EFFECT  
 NODES (STANDING WAVES)  
 OSCILLATORS  
 RESONANCE  
 RESONANCE TESTING  
 RESONATORS  
 STANDING WAVES  
 TRANSIENT RESPONSE  
 TUNERS  
 TUNING

**RESONANT VIBRATION**

UF MECHANICAL RESONANCE  
 GS RESONANCE  
 . **RESONANT VIBRATION**  
 . VIBRATION  
 . . **RESONANT VIBRATION**  
 RT DAMPING  
 DYNAMIC STABILITY  
 ∞ DYNAMICS  
 FLAPPING  
 FLUTTER  
 MECHANICAL OSCILLATORS  
 OSCILLATIONS  
 Q FACTORS  
 STABLE OSCILLATIONS  
 STRUCTURAL VIBRATION  
 UNDAMPED OSCILLATIONS

**RESONATORS**

GS **RESONATORS**  
 . CAVITY RESONATORS  
 . HELMHOLTZ RESONATORS  
 . MULTIMODE RESONATORS  
 . OPTICAL RESONATORS  
 RT DELTA ANTENNAS  
 ELECTRON TUBES  
 FREQUENCY STANDARDS  
 GRAZING FLOW  
 MAGNETRONS  
 MASERS  
 OSCILLATORS  
 RESONANT FREQUENCIES  
 SELF EXCITATION  
 TUNING  
 TUNING FORK GYROSCOPES

**RESOURCE ALLOCATION**

GS ALLOCATIONS  
 . **RESOURCE ALLOCATION**  
 RT DISTRIBUTING  
 ENERGY CONSERVATION  
 ENERGY POLICY  
 ENGINEERING MANAGEMENT  
 LOGISTICS  
 NASA INTERACTIVE PLANNING SYSTEM  
 OUTER SPACE TREATY  
 PRIORITIES  
 PRODUCTS  
 RESOURCES

**RESOURCES**

GS **RESOURCES**

**RESOURCES-(CONT.)**

. EARTH RESOURCES  
 . . FORESTS  
 . . . RAIN FORESTS  
 . . . FOSSIL FUELS  
 . . . COAL  
 . . . ANTHRACITE  
 . . . LIGNITE  
 . . . SOLVENT REFINED COAL  
 . . . CRUDE OIL  
 . . . NATURAL GAS  
 . . . PEAT  
 . . . GLACIERS  
 . . . ICEBERGS  
 . . . KEROGEN  
 . . . LAND ICE  
 . . . MARINE RESOURCES  
 . . . OIL FIELDS  
 . . . RANGE RESOURCES  
 . . . SPRINGS (WATER)  
 . . . TAR SANDS  
 . . . THERMAL RESOURCES  
 . . . GEOTHERMAL RESOURCES  
 . . . GEYSERS  
 . . . UNDERWATER RESOURCES  
 . . . WATER RESOURCES  
 . . . AQUIFERS  
 . . . EXTRATERRESTRIAL RESOURCES  
 RT ABUNDANCE  
 AVAILABILITY  
 CONSULTING  
 DEPLETION  
 ECONOMIC DEVELOPMENT  
 ECONOMIC FACTORS  
 ECONOMIC IMPACT  
 ECONOMICS  
 ENERGY CONSERVATION  
 ENERGY POLICY  
 ENGINEERING MANAGEMENT  
 GEOTHERMAL TECHNOLOGY  
 GREAT LAKES (NORTH AMERICA)  
 INVENTORY MANAGEMENT  
 LOGISTICS  
 LOGISTICS MANAGEMENT  
 MAN ENVIRONMENT INTERACTIONS  
 MANPOWER  
 ∞ MATERIALS  
 MISSISSIPPI RIVER (US)  
 PERSONNEL  
 PERSONNEL DEVELOPMENT  
 PRODUCTION MANAGEMENT  
 RECYCLING  
 RESERVES  
 RESOURCE ALLOCATION  
 SITE SELECTION  
 URBAN DEVELOPMENT  
 VEGETATION

**RESOURCES MANAGEMENT**

GS MANAGEMENT  
 . **RESOURCES MANAGEMENT**  
 . . FOREST MANAGEMENT  
 . . . REFORESTATION  
 . . . LAND MANAGEMENT  
 RT EARTH RESOURCES  
 ENVIRONMENT MANAGEMENT  
 ENVIRONMENTAL CONTROL  
 LEASING  
 NASA INTERACTIVE PLANNING SYSTEM  
 THERMAL RESOURCES  
 WATER RUNOFF

**RESPIRATION**

UF APNEA  
 INHALATION  
 GS **RESPIRATION**  
 . HIGH ALTITUDE BREATHING  
 . LIQUID BREATHING  
 . PRESSURE BREATHING  
 RT ALVEOLI  
 ASPHYXIA  
 ∞ BREATHING  
 EXPIRATION  
 EXPIRED AIR  
 HYDROGEN METABOLISM  
 METABOLISM  
 OXYGEN METABOLISM  
 PHOTOSYNTHESIS  
 RESPIRATORS  
 RESPIRATORY SYSTEM  
 RESUSCITATION  
 SINUSES  
 VALSALVA EXERCISE

## RESPIRATORS

### RESPIRATORS

- GS MEDICAL EQUIPMENT
- . **RESPIRATORS**
- RT BREATHING APPARATUS
- EMERGENCY BREATHING TECHNIQUES
- RESPIRATION
- RESUSCITATION
- THERAPY

### RESPIRATORY DISEASES

- GS DISEASES
- . **RESPIRATORY DISEASES**
- . . AEROSINUSITIS
- . . ASTHMA
- . . EMPHYSEMA
- . . INFLUENZA
- . . PNEUMONIA
- . . TUBERCULOSIS
- RT BERYLLIUM POISONING
- CONGESTION
- FUNGAL DISEASES
- LUNG MORPHOLOGY
- PULMONARY LESIONS

### RESPIRATORY IMPEDANCE

- GS IMPEDANCE
- . **RESPIRATORY IMPEDANCE**

### RESPIRATORY PHYSIOLOGY

- GS PHYSIOLOGY
- . **RESPIRATORY PHYSIOLOGY**
- RT EXERCISE PHYSIOLOGY
- ∞ SCIENCE

### RESPIRATORY RATE

- GS RATES (PER TIME)
- . **RESPIRATORY RATE**
- . . DYS-PNEA
- . . HYPOVENTILATION
- . . TACHYPNEA
- RT HYPERCAPNIA
- HYPERPNEA
- SPIROMETERS

### RESPIRATORY REFLEXES

- GS REFLEXES
- . **RESPIRATORY REFLEXES**
- . . COUGH
- . . HERING-BREVER REFLEX
- . . SNEEZING
- RT ∞ BREATHING

### RESPIRATORY SYSTEM

- GS ANATOMY
- . **RESPIRATORY SYSTEM**
- . . BRONCHI
- . . DIAPHRAGM (ANATOMY)
- . . LARYNX
- . . . GLOTTIS
- . . . VOCAL CORDS
- . . LUNGS
- . . . ALVEOLI
- . . NOSE (ANATOMY)
- . . PARANASAL SINUSES
- . . PHARYNX
- . . TRACHEA
- RT EVAPORATION
- HOMEOSTASIS
- HYPERCAPNIA
- ORGANS
- PLEURAE
- PULMONARY CIRCULATION
- RESPIRATION
- ∞ SYSTEMS

### RESPIROMETERS

- GS MEASURING INSTRUMENTS
- . **RESPIROMETERS**
- RT BIOINSTRUMENTATION
- EXHALATION

### RESPONDERS

- USE TRANSPONDERS

### RESPONSE BIAS

- GS BIAS
- . **RESPONSE BIAS**
- RT DYNAMIC RESPONSE
- ERRORS
- ∞ TIME RESPONSE
- TRANSIENT RESPONSE

### RESPONSE TIME (COMPUTERS)

- GS TIME

### RESPONSE TIME (COMPUTERS)-(CONT.)

- . **RESPONSE TIME (COMPUTERS)**
- RT COMPUTER PROGRAMMING
- COMPUTER SYSTEMS PERFORMANCE
- DATA PROCESSING

### RESPONSES

- GS **RESPONSES**
- . DYNAMIC RESPONSE
- . . TRANSIENT RESPONSE
- . . GALVANIC SKIN RESPONSE
- . . MODAL RESPONSE
- . . PHYSIOLOGICAL RESPONSES
- . . HEMODYNAMIC RESPONSES
- RT CHRONAXY
- ∞ FREQUENCY RESPONSE
- LEARNING
- REFRACTORY PERIOD
- ∞ THRESHOLDS
- TIME LAG
- ∞ TIME RESPONSE

### REST

- GS **REST**
- . BED REST
- RT PRONE POSITION
- RECREATION
- SITTING POSITION
- SLEEP
- SUPINE POSITION

### RESTARTABLE ROCKET ENGINES

- GS ENGINES
- . ROCKET ENGINES
- . **RESTARTABLE ROCKET ENGINES**
- RT DUCTED ROCKET ENGINES
- ELECTRIC ROCKET ENGINES
- ELECTROSTATIC ENGINES
- ELECTROTHERMAL ENGINES
- HYBRID PROPELLANT ROCKET ENGINES
- ION ENGINES
- LIQUID PROPELLANT ROCKET ENGINES
- NUCLEAR ROCKET ENGINES
- RETROCKET ENGINES
- SOLID PROPELLANT ROCKET ENGINES
- SUSTAINER ROCKET ENGINES
- TURBOROCKET ENGINES
- VERNIER ENGINES

### RESTORATION

- RT ADDITION
- RECONSTRUCTION

### RESTRAINTS

- USE CONSTRAINTS

### RESTRICTIONS

- USE CONSTRICTIONS

### RESULTANTS

- RT VECTOR ANALYSIS

### RESUSCITATION

- UF ARTIFICIAL RESPIRATION
- RT EMERGENCY BREATHING TECHNIQUES
- FIRST AID
- LIQUID BREATHING
- RESPIRATION
- RESPIRATORS

### RETAINING

- RT ASTEROID CAPTURE
- CONSTRAINTS
- CONTAINMENT
- ∞ HOLDING
- ∞ JOINING
- LOCKING
- ∞ RETENTION
- SEALING
- ∞ STORAGE

### RETARDANTS

- GS **RETARDANTS**
- . FLAME RETARDANTS
- RT ACCELERATING AGENTS
- ADDITIVES
- ANTIICING ADDITIVES
- ANTIKNOCK ADDITIVES
- ANTIOXIDANTS
- CATALYSTS
- EXPLOSION SUPPRESSION
- INHIBITORS
- NEUTRALIZERS
- PENETRANTS

### RETARDANTS-(CONT.)

- PRESERVATIVES
- ∞ RETARDERS
- RETARDING
- STABILIZERS (AGENTS)
- SUPPRESSORS
- SURFACTANTS
- WEAR INHIBITORS
- ∞ **RETARDERS**
- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT RETARDANTS
- RETARDERS (DEVICES)

### RETARDERS (DEVICES)

- RT BLOCKING
- BRAKES (FOR ARRESTING MOTION)
- BRAKING
- CONSTRICTIONS
- ∞ RETARDERS
- RETARDING

### RETARDING

- UF SUPPRESSION
- RT ATTENUATION
- BLOCKING
- BRAKING
- DAMPING
- DECELERATION
- FOULING
- HYSTERESIS
- PREVENTION
- ∞ REDUCTION
- ∞ RESISTANCE
- RETARDANTS
- RETARDERS (DEVICES)
- STOPPING

### RETARDING ION MASS SPECTROMETERS

- USE MASS SPECTROMETERS

### RETENTION

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT RETAINING
- RETENTION (PSYCHOLOGY)

### RETENTION (PSYCHOLOGY)

- RT LEARNING
- MEMORY
- ∞ RETENTION

### RETICLES

- GS **RETICLES**
- . WIRE GRID LENSES
- RT CONTACT LENSES
- EYEPICES
- ∞ GRIDS
- LENSES
- OPTICAL EQUIPMENT
- SCALE (RATIO)

### RETICULOCYTES

- GS CELLS (BIOLOGY)
- . BLOOD CELLS
- . . ERYTHROCYTES
- . . . **RETICULOCYTES**
- RT HEMATOLOGY
- HEMOGLOBIN
- HEMOLYSIS
- HEMORRHAGES

### RETINA

- GS ANATOMY
- . SENSE ORGANS
- . . EYE (ANATOMY)
- . . . **RETINA**
- . . . . FOVEA
- RT ELECTRORETINOGRAPHY
- PHOSPHENE
- PHOTORECEPTORS
- VISION
- VISUAL FIELDS
- VISUAL PIGMENTS

### RETINAL ADAPTATION

- GS ADAPTATION
- . **RETINAL ADAPTATION**
- . . DARK ADAPTATION
- . . LIGHT ADAPTATION
- RT PERCEPTION

# REVERSING

## RETINAL ADAPTATION-(CONT.)

VISIBILITY  
VISION

## RETINAL IMAGES

GS IMAGES  
    . RETINAL IMAGES  
RT VISION  
    VISUAL FIELDS

## RETINENE

UF VITAMIN A  
GS ORGANIC COMPOUNDS  
    . CYCLIC COMPOUNDS  
    . . HETEROCYCLIC COMPOUNDS  
        . RETINENE  
        . LIPIDS  
        . . RETINENE  
        VITAMINS  
        . RETINENE  
RT ALDEHYDES  
    CAROTENE

## RETIREMENT

RT EMPLOYEE RELATIONS  
    INDUSTRIES  
    PERSONNEL  
    SOCIOLOGY

## RETIREMENT FOR CAUSE

RT COMPONENT RELIABILITY  
    ENGINE PARTS  
    FATIGUE LIFE  
    FRACTURE STRENGTH  
    INVENTORY MANAGEMENT  
    LIFE (DURABILITY)  
    METAL FATIGUE  
    SERVICE LIFE  
    SPARE PARTS

## RETORC (TORPEDOES)

USE TORPEDOES

## RETRORT PROCESSING

RT FRACTIONATION  
    HYDROCARBON FUELS  
    OILS  
    ∞ PROCESSING  
        SHALE OIL

## RETRACTABLE EQUIPMENT

UF RETRACTABLE LANDING GEAR  
RT AERODYNAMIC BRAKES  
    LANDING GEAR  
    REFUELING

## RETRACTABLE LANDING GEAR

USE LANDING GEAR  
    RETRACTABLE EQUIPMENT

## RETRAINING

UF REORIENTATION  
RT ADAPTATION  
    EDUCATION  
    MANAGEMENT METHODS  
    MANPOWER  
    PERSONNEL  
    TASKS  
    TRAINING ANALYSIS

## RETRIEVAL

GS RETRIEVAL  
    . DATA RETRIEVAL  
    . INFORMATION RETRIEVAL  
    . PAYLOAD RETRIEVAL (STS)  
RT ∞ RECOVERY  
    SEARCHING

## RETROACTION

USE RETROTHRUST

## RETROFIRING

GS FIRING (IGNITING)  
    . ROCKET FIRING  
    . . RETROFIRING  
RT DECELERATION  
    RETROCKET ENGINES  
    RETROTHRUST

## RETROFITTING

GS RETROFITTING  
    . ACOUSTIC RETROFITTING  
RT INSTALLING

## RETROREFLECTION

GS REFLECTION  
    . RETROREFLECTION  
RT ANTENNA ARRAYS  
    INCIDENT RADIATION  
    LAGEOS (SATELLITE)  
    LUNAR RETROREFLECTORS  
    REFLECTED WAVES  
    RETROREFLECTORS

## RETROREFLECTORS

GS RADAR EQUIPMENT  
    . RETROREFLECTORS  
    REFLECTORS  
RT . RETROREFLECTORS  
    RADAR CORNER REFLECTORS  
    RETROREFLECTION

## RETROROCKET ENGINES

GS ENGINES  
    . ROCKET ENGINES  
    . . RETROROCKET ENGINES  
        . . BE-3 ENGINE  
RT CONTROL ROCKETS  
    INTERNAL COMBUSTION ENGINES  
    LIQUID PROPELLANT ROCKET ENGINES  
    MAN OPERATED PROPULSION SYSTEMS  
    RESTARTABLE ROCKET ENGINES  
    RETROFIRING  
    RETROTHRUST  
    SOLID PROPELLANT ROCKET ENGINES

## RETROTHRUST

UF RETROACTION  
GS THRUST  
    . ROCKET THRUST  
    . . RETROTHRUST  
RT DECELERATION  
    RETROFIRING  
    RETROROCKET ENGINES

## RETURN BEAM VIDICONS

GS ELECTRON TUBES  
    CAMERA TUBES  
    . VIDICONS  
    . . RETURN BEAM VIDICONS  
        . . . THERMIONS  
RT TELEVISION CAMERAS

## RETURN TO EARTH SPACE FLIGHT

GS SPACE FLIGHT  
    . RETURN TO EARTH SPACE FLIGHT  
RT INTERPLANETARY FLIGHT  
    MANNED MARS MISSIONS  
    SPACECRAFT REENTRY

## REUSABLE HEAT SHIELDING

GS SHIELDING  
    . HEAT SHIELDING  
    . . REUSABLE HEAT SHIELDING  
RT COOLING  
    HEAT TRANSFER  
    REENTRY SHIELDING  
    SPACECRAFT SHIELDING  
    TEMPERATURE CONTROL  
    THERMAL CONTROL COATINGS  
    THERMAL PROTECTION

## REUSABLE LAUNCH VEHICLES

GS LAUNCH VEHICLES  
    . REUSABLE LAUNCH VEHICLES  
    . . SINGLE STAGE TO ORBIT VEHICLES  
    . . . HOTOL LAUNCH VEHICLE  
RT AEROMANEUVERING ORBIT TO ORBIT  
    SHUTTLE  
    RECOVERABLE LAUNCH VEHICLES  
    ROCKET ENGINES  
    SPACECRAFT LAUNCHING  
    SPACECRAFT RECOVERY  
    ∞ VEHICLES

## REUSABLE ROCKET ENGINES

GS ENGINES  
    . ROCKET ENGINES  
    . . REUSABLE ROCKET ENGINES

## REUSABLE SPACECRAFT

GS REENTRY VEHICLES  
    . RECOVERABLE SPACECRAFT  
    . . REUSABLE SPACECRAFT  
    . . . AEROSPACE PLANES  
    . . . . HOTOL LAUNCH VEHICLE  
    . . . . X-30 VEHICLE

## REUSABLE SPACECRAFT-(CONT.)

. . . MARS (MANNED REUSABLE SPACECRAFT)  
. . . SPACE SHUTTLE ORBITERS  
. . . . ATLANTIS (ORBITER)  
. . . . CHALLENGER (ORBITER)  
. . . . COLUMBIA (ORBITER)  
. . . . DISCOVERY (ORBITER)  
. . . . ENTERPRISE (ORBITER)  
. . . SPACE SHUTTLES  
. . . . HERMES MANNED SPACEPLANE  
RT EXPENDABLE STAGES (SPACECRAFT)  
    FERRY SPACECRAFT  
    INERTIAL UPPER STAGE  
    INTERIM STAGES (SPACECRAFT)  
    INTERPLANETARY SPACECRAFT  
    LANDING MODULES  
    LUNAR LANDING MODULES  
    MANNED SPACECRAFT  
    SOFT LANDING SPACECRAFT  
    SPACE SHUTTLE BOOSTERS  
    UNMANNED SPACECRAFT

## REUSE

GS UTILIZATION  
    . REUSE  
RT OIL RECOVERY  
    ∞ RECOVERY

## REVENUE

RT ALLOCATIONS  
    ASSESSMENTS  
    BUDGETING  
    COSTS  
    INTERNATIONAL TRADE

## REVERBERATION

GS ACOUSTIC PROPERTIES  
    . ACOUSTIC SCATTERING  
    . . REVERBERATION  
    SCATTERING  
    . WAVE SCATTERING  
    . . ACOUSTIC SCATTERING  
    . . . REVERBERATION  
RT ECHOES  
    NOISE (SOUND)  
    REVERBERATION CHAMBERS  
    SOUND WAVES

## REVERBERATION CHAMBERS

GS COMPARTMENTS  
    . TEST CHAMBERS  
    . . REVERBERATION CHAMBERS  
    TEST FACILITIES  
RT . REVERBERATION CHAMBERS  
    ACOUSTIC MEASUREMENT  
    ACOUSTIC SIMULATION  
    ∞ CHAMBERS  
    ENVIRONMENTAL TESTS  
    REVERBERATION

## REVERSE FIELD PINCH

GS PINCH EFFECT  
    . REVERSE FIELD PINCH  
RT MAGNETOHYDRODYNAMIC FLOW  
    PLASMA CONTROL  
    REACTOR TECHNOLOGY  
    SCREW PINCH  
    TOROIDAL PLASMAS

## REVERSE OSMOSIS

GS OSMOSIS  
    . REVERSE OSMOSIS  
RT DEMINERALIZING  
    DESALINIZATION  
    MEMBRANES  
    PERMEATING

## REVERSE TIME

USE REACTION TIME

## REVERSED FLOW

GS FLUID FLOW  
    . REVERSED FLOW  
RT BOUNDARY LAYER SEPARATION  
    RECIRCULATIVE FLUID FLOW  
    REVERSING  
    SEPARATED FLOW

## REVERSING

RT ∞ DIRECTION  
    REVERSED FLOW

## REVIEWING

### REVIEWING

RT ∞ DISCUSSION  
EVALUATION  
EXAMINATION  
TRAINING EVALUATION

### REVISIONS

UF ALTERATION  
MODIFICATION  
RT ADJUSTING  
CONTRACTS  
CORRECTION  
EXTENSIONS  
VARIATIONS

### REVOLUTION (MOTION)

USE REVOLVING

### REVOLVING

UF REVOLUTION (MOTION)  
GS GYRATION  
. REVOLVING  
RT ANGULAR VELOCITY  
CENTRIPETAL FORCE  
ROTATION

### REWARD (PSYCHOLOGY)

GS REINFORCEMENT (PSYCHOLOGY)  
. REWARD (PSYCHOLOGY)  
RT COMFORT  
HUMAN REACTIONS  
PSYCHOLOGICAL FACTORS

### REYNOLDS EQUATION

UF REYNOLDS LAW  
GS EQUATIONS OF MOTION  
. REYNOLDS EQUATION  
FLOW EQUATIONS  
. REYNOLDS EQUATION  
RT AERODYNAMIC CONFIGURATIONS  
∞ EQUATIONS  
NAVIER-STOKES EQUATION  
SCALE MODELS

### REYNOLDS LAW

USE REYNOLDS EQUATION

### REYNOLDS NUMBER

UF CRITICAL REYNOLDS NUMBER  
RATIOS  
GS . DIMENSIONLESS NUMBERS  
. REYNOLDS NUMBER  
. . . HIGH REYNOLDS NUMBER  
. . . LOW REYNOLDS NUMBER  
RT BOUNDARY LAYER FLOW  
BOUNDARY LAYER STABILITY  
BOUNDARY LAYER TRANSITION  
FLUID FLOW  
FROUDE NUMBER  
GRASHOF NUMBER  
INVISCID FLOW  
LAMINAR FLOW  
PECLET NUMBER  
PRANDTL NUMBER  
RICHARDSON NUMBER  
SCALE EFFECT  
TRANSITION POINTS  
TURBULENT FLOW  
VISCOUS FLOW

### REYNOLDS STRESS

GS STRESSES  
. REYNOLDS STRESS  
RT INCOMPRESSIBLE FLOW  
NAVIER-STOKES EQUATION  
TURBULENT BOUNDARY LAYER  
TURBULENT FLOW

### RF-4 AIRCRAFT

GS MCDONNELL DOUGLAS AIRCRAFT  
. MCDONNELL AIRCRAFT  
. . RF-4 AIRCRAFT  
MONOPLANES  
. RF-4 AIRCRAFT  
OBSERVATION AIRCRAFT  
. RF-4 AIRCRAFT  
SUPERSONIC AIRCRAFT  
. RF-4 AIRCRAFT  
RT ∞ AIRCRAFT  
F-4 AIRCRAFT

### RF-8 AIRCRAFT

USE F-8 AIRCRAFT

### RH-2 HELICOPTER

USE UH-1 HELICOPTER

### RHEA (ASTRONOMY)

GS CELESTIAL BODIES  
. NATURAL SATELLITES  
. . ICY SATELLITES  
. . . RHEA (ASTRONOMY)  
. . . SATURN SATELLITES  
. . . RHEA (ASTRONOMY)  
RT SATURN (PLANET)  
SOLAR SYSTEM

### RHENIUM

GS CHEMICAL ELEMENTS  
. RHENIUM  
. . RHENIUM ISOTOPES  
METALS  
. REFRACTORY METALS  
. . RHENIUM  
. . . RHENIUM ISOTOPES  
. . . TRANSITION METALS  
. . RHENIUM  
. . . RHENIUM ISOTOPES  
REFRACTORY MATERIALS  
. REFRACTORY METALS  
. . RHENIUM  
. . . RHENIUM ISOTOPES

### RHENIUM ALLOYS

GS ALLOYS  
. HEAT RESISTANT ALLOYS  
. . REFRACTORY METAL ALLOYS  
. . . RHENIUM ALLOYS  
REFRACTORY MATERIALS  
. REFRACTORY METAL ALLOYS  
. . RHENIUM ALLOYS

### RHENIUM COMPOUNDS

RT ∞ CHEMICAL COMPOUNDS  
∞ GROUP 7B COMPOUNDS  
∞ METAL COMPOUNDS

### RHENIUM ISOTOPES

GS CHEMICAL ELEMENTS  
. RHENIUM  
. . RHENIUM ISOTOPES  
METALS  
. REFRACTORY METALS  
. . RHENIUM  
. . . RHENIUM ISOTOPES  
. . . TRANSITION METALS  
. . RHENIUM  
. . . RHENIUM ISOTOPES  
REFRACTORY MATERIALS  
. REFRACTORY METALS  
. . RHENIUM  
. . . RHENIUM ISOTOPES

### RHEOCASTING

GS FORMING TECHNIQUES  
. CASTING  
. . RHEOCASTING  
RT ALLOYS  
CAST ALLOYS  
DIES  
FORGING  
SLURRIES  
SOLIDIFICATION

### RHEOELECTRICAL SIMULATION

GS SIMULATION  
. RHEOELECTRICAL SIMULATION  
RT ANALOG CIRCUITS  
ANALOG SIMULATION  
BIONICS  
FLOW DISTRIBUTION

### RHEOENCEPHALOGRAPHY

RT BLOOD CIRCULATION  
BRAIN  
BRAIN CIRCULATION

### RHEOLOGY

RT FLOW MEASUREMENT  
FLOW THEORY  
∞ FLUIDS  
LIQUID FLOW  
MAXWELL FLUIDS  
NONNEWTONIAN FLUIDS  
PLASTIC FLOW  
PLASTIC PROPERTIES  
VISCOSITY

### RHEOMETERS

GS MEASURING INSTRUMENTS  
. FLOWMETERS  
. . RHEOMETERS  
RT BLOOD CIRCULATION

### RHESUS FACTOR

RT ANTIGENS  
BLOOD  
CONGENITAL ANOMALIES

### RHEUMATIC DISEASES

GS DISEASES  
. RHEUMATIC DISEASES  
RT ARTHRITIS

### RHIZOPUS

GS PLANTS (BOTANY)  
. FUNGI  
. . RHIZOPUS  
RT BLIGHT  
∞ MOLD

### RHO-MESONS

GS PARTICLES  
. ELEMENTARY PARTICLES  
. . BOSONS  
. . . MESONS  
. . . . VECTOR MESONS  
. . . . . RHO-MESONS  
. . . FERMIONS  
. . . BARYONS  
. . . . RHO-MESONS  
. . . HADRONS  
. . . BARYONS  
. . . . RHO-MESONS  
. . . MESONS  
. . . . VECTOR MESONS  
. . . . . RHO-MESONS  
. . . NUCLEAR PARTICLES  
. . . BOSONS  
. . . MESONS  
. . . . VECTOR MESONS  
. . . . . RHO-MESONS  
RT CHARGED PARTICLES  
ETA-MESONS

### RHODE ISLAND

GS NATIONS  
. UNITED STATES  
. . RHODE ISLAND  
RT BLOCK ISLAND SOUND (RI)

### RHODESIA

USE ZIMBABWE

### RHODIUM

GS CHEMICAL ELEMENTS  
. RHODIUM  
. . RHODIUM ISOTOPES  
METALS  
. TRANSITION METALS  
. . RHODIUM  
. . . RHODIUM ISOTOPES

### RHODIUM ALLOYS

GS ALLOYS  
. RHODIUM ALLOYS  
RT PLATINUM ALLOYS

### RHODIUM COMPOUNDS

RT ∞ CHEMICAL COMPOUNDS  
∞ GROUP 8 COMPOUNDS

### RHODIUM ISOTOPES

UF RHODIUM 102  
RHODIUM 106  
GS CHEMICAL ELEMENTS  
. NUCLIDES  
. . ISOTOPES  
. . . RHODIUM ISOTOPES  
. . . RHODIUM  
. . . RHODIUM ISOTOPES  
METALS  
. TRANSITION METALS  
. . RHODIUM  
. . . RHODIUM ISOTOPES

### RHODIUM 102

USE RHODIUM ISOTOPES

### RHODIUM 106

USE RHODIUM ISOTOPES

## RIGID ROTORS

### RHOMBIC ANTENNAS

- GS ANTENNAS
  - . DIRECTIONAL ANTENNAS
  - . . . **RHOMBIC ANTENNAS**
- RT ANTENNA DESIGN
  - . RADIO ANTENNAS

### RHOMBOHEDRONS

- GS GEOMETRY
  - . EUCLIDEAN GEOMETRY
  - . . . POLYHEDRONS
  - . . . . **RHOMBOHEDRONS**

### RHOMBOIDS

- GS GEOMETRY
  - . EUCLIDEAN GEOMETRY
  - . . POLYGONS
  - . . . TETRAGONS
  - . . . . PARALLELOGRAMS
  - . . . . . **RHOMBOIDS**

### RHONE DELTA (FRANCE)

- GS LANDFORMS
  - . DELTAS
  - . . **RHONE DELTA (FRANCE)**
- RT FRANCE
  - . MEDITERRANEAN SEA
  - . RIVERS

### RHYOLITE

- GS ROCKS
  - . IGNEOUS ROCKS
  - . . **RHYOLITE**
- RT LAVA
  - . MAGMA
  - . SILICON DIOXIDE

### ∞ RHYTHM

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT OSCILLATIONS
  - . PERIODIC VARIATIONS
  - . RHYTHM (BIOLOGY)

### RHYTHM (BIOLOGY)

- UF BIOLOGICAL CLOCKS
  - . BIOLOGICAL RHYTHM
  - . BIORHYTHMS
  - . CHRONOBIOLOGY
  - . PERIODICITY (BIOLOGY)
- GS **RHYTHM (BIOLOGY)**
  - . CIRCADIAN RHYTHMS
- RT ACTIVITY CYCLES (BIOLOGY)
  - . ALTERNATIONS
  - . ∞ BIOLOGY
  - . . CYCLES
  - . . DESYNCHRONIZATION (BIOLOGY)
  - . . JET LAG
  - . . PHENOLOGY
  - . ∞ RHYTHM

### RIBBON PARACHUTES

- GS PARACHUTES
  - . **RIBBON PARACHUTES**
- RT DRAG CHUTES
  - . RECOVERY PARACHUTES

### RIBBONS

- RT CONVEYORS
  - . FABRICS
  - . FASTENERS
  - . METAL STRIPS
  - . ∞ STRIP
  - . ∞ TAPES

### RIBOFLAVIN

- UF VITAMIN B 2
  - . VITAMIN G
- GS ORGANIC COMPOUNDS
  - . CYCLIC COMPOUNDS
  - . . HETEROCYCLIC COMPOUNDS
  - . . . **RIBOFLAVIN**
  - . . . VITAMINS
  - . . **RIBOFLAVIN**

### RIBONUCLEIC ACIDS

- UF RNA
  - . ACIDS
  - . . NUCLEIC ACIDS
  - . . . **RIBONUCLEIC ACIDS**
- GS BIOPOLYMERS
  - . NUCLEIC ACIDS
  - . . **RIBONUCLEIC ACIDS**

### RIBONUCLEIC ACIDS-(CONT.)

- ORGANIC COMPOUNDS
  - . NUCLEIC ACIDS
  - . . **RIBONUCLEIC ACIDS**
- RT ADENINES
  - . GENE EXPRESSION
  - . GENES
  - . GUANOSINES
  - . POLYNUCLEOTIDES

### RIBOSE

- GS ORGANIC COMPOUNDS
  - . CARBOHYDRATES
  - . . SUGARS
  - . . . MONOSACCHARIDES
  - . . . . PENTOSE
  - . . . . . **RIBOSE**
- RT NUCLEOSIDES

### RIBS (SUPPORTS)

- RT LONGERONS
  - . REINFORCEMENT (STRUCTURES)
  - . REINFORCEMENT RINGS
  - . STIFFENING
  - . WEBS (SUPPORTS)

### RICCATI EQUATION

- GS ALGEBRA
  - . LINEAR EQUATIONS
  - . . **RICCATI EQUATION**
  - . . ANALYSIS (MATHEMATICS)
  - . . REAL VARIABLES
  - . . . DIFFERENTIAL EQUATIONS
  - . . . . **RICCATI EQUATION**
  - . . . . LINEAR EQUATIONS
  - . . . . **RICCATI EQUATION**

### RICE

- GS FARM CROPS
  - . GRAINS (FOOD)
  - . . **RICE**
  - . . PLANTS (BOTANY)
  - . . . **RICE**
- RT WHEAT

### RICHARDS THEOREM

- GS THEOREMS
  - . **RICHARDS THEOREM**
- RT NETWORK SYNTHESIS
  - . SIGNAL FLOW GRAPHS

### RICHARDSON NUMBER

- GS RATIOS
  - . DIMENSIONLESS NUMBERS
  - . . **RICHARDSON NUMBER**
- RT AERODYNAMIC STABILITY
  - . REYNOLDS NUMBER
  - . SHEAR FLOW

### RICHARDSON-DUSHMAN EQUATION

- USE TEMPERATURE EFFECTS
- USE THERMIONIC EMISSION

### ∞ RIDGES

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- UF CUESTAS
  - . HOGBACKS
- RT BRIDGES (LANDFORMS)
  - . BUCKLING
  - . CORRUGATING
  - . GAPS (GEOLOGY)
  - . KARST
  - . LANDFORMS
  - . MOUNTAINS
  - . PROTUBERANCES
  - . WRINKLING

### RIDING QUALITY

- GS QUALITY
  - . **RIDING QUALITY**
- RT COMFORT
  - . PASSENGERS
  - . SEATS
  - . SUSPENSION SYSTEMS (VEHICLES)
  - . TRANSPORTATION

### RIEMANN INTEGRAL

- USE MEASURE AND INTEGRATION

### RIEMANN MANIFOLD

- UF RIEMANN SPACE
  - . RIEMANN SPHERE

### RIEMANN MANIFOLD-(CONT.)

- GS GEOMETRY
  - . DIFFERENTIAL GEOMETRY
  - . . **RIEMANN MANIFOLD**
  - . . MANIFOLDS (MATHEMATICS)
  - . . **RIEMANN MANIFOLD**
- RT EUCLIDEAN GEOMETRY

### RIEMANN PROBLEM

- USE CAUCHY PROBLEM

### RIEMANN SPACE

- USE RIEMANN MANIFOLD

### RIEMANN SPHERE

- USE RIEMANN MANIFOLD

### RIEMANN WAVES

- GS ELASTIC WAVES
  - . SHOCK WAVES
  - . . **RIEMANN WAVES**
- RT BLAST LOADS
  - . DIFFERENTIAL EQUATIONS
  - . DYNAMIC PRESSURE
  - . EXPLOSIONS
  - . HYPERBOLIC FUNCTIONS

### RIESZ THEOREM

- GS THEOREMS
  - . **RIESZ THEOREM**
- RT DIFFERENTIAL EQUATIONS
  - . HYPERBOLIC FUNCTIONS

### RIFLES

- GS WEAPONS
  - . GUNS (ORDNANCE)
  - . . **RIFLES**
- RT ARTILLERY

### RIFT (REACTOR IN FLIGHT TEST)

- UF REACTOR IN FLIGHT TEST PROGRAM
- RT ELECTRIC PROPULSION
  - . ∞ REACTORS
  - . . ROCKET ENGINES
  - . . ROVER PROJECT
  - . . SATURN PROJECT

### RIFT VALLEYS

- USE VALLEYS

### RIFTS

- USE GEOLOGICAL FAULTS

### RIGGING

- RT ASSEMBLING
  - . CONSTRUCTION
  - . ∞ EQUIPMENT
  - . . MATERIALS HANDLING
  - . . SHROUDS

### RIGID BODIES

- USE RIGID STRUCTURES

### RIGID MOUNTING

- GS MOUNTING
  - . **RIGID MOUNTING**
- RT PYLON MOUNTING

### RIGID ROTOR HELICOPTERS

- GS V/STOL AIRCRAFT
  - . ROTARY WING AIRCRAFT
  - . . HELICOPTERS
  - . . . **RIGID ROTOR HELICOPTERS**
  - . . . . CH-3 HELICOPTER
  - . . . . F-28 HELICOPTER
  - . . . . XH-51 HELICOPTER
- RT ∞ AIRCRAFT
  - . OH-5 HELICOPTER

### RIGID ROTORS

- UF HINGELESS ROTORS
- GS AIRFOILS
  - . WINGS
  - . . ROTARY WINGS
  - . . . **RIGID ROTORS**
  - . . . RIGID STRUCTURES
  - . . **RIGID ROTORS**
  - . . ROTATING BODIES
  - . . ROTORS
  - . . . ROTARY WINGS
  - . . . . **RIGID ROTORS**
- RT BEARINGLESS ROTORS



## RIGID ROTORS (PLASMA PHYSICS)

- RIGID ROTORS (PLASMA PHYSICS)**  
 GS **RIGID ROTORS (PLASMA PHYSICS)**  
 . PLASMA PHYSICS  
 RT MOLECULAR COLLISIONS  
 MOLECULAR ROTATION  
 ∞ PHYSICS  
 PLASMA CONTROL
- RIGID STRUCTURES**  
 UF INELASTIC BODIES  
 RIGID BODIES  
 STIFF STRUCTURES  
 GS **RIGID STRUCTURES**  
 . RIGID ROTORS  
 . RIGID WINGS  
 RT ARCHES  
 COMPOSITE MATERIALS  
 CONCRETE STRUCTURES  
 EULER EQUATIONS OF MOTION  
 HYBRID STRUCTURES  
 PLASTIC BODIES  
 REINFORCEMENT (STRUCTURES)  
 SANDWICH STRUCTURES  
 SPACE ERECTABLE STRUCTURES  
 STEEL STRUCTURES  
 ∞ STRUCTURES  
 TRANSLATIONAL MOTION  
 WELDED STRUCTURES
- RIGID WINGS**  
 SN (EXCLUDES RIGID ROTORS)  
 GS AIRFOILS  
 . WINGS  
 . **RIGID WINGS**  
 RIGID STRUCTURES  
 . **RIGID WINGS**  
 RT AEROELASTICITY  
 FIXED WINGS  
 FLEXIBLE WINGS  
 LOW ASPECT RATIO WINGS
- ∞ **RIGIDITY**  
 SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT FLEXIBILITY  
 MAGNETIC RIGIDITY  
 MECHANICAL PROPERTIES  
 MODULUS OF ELASTICITY  
 RUGGEDNESS  
 STIFFNESS  
 STRUCTURAL STABILITY
- RILLS**  
 USE VALLEYS
- RIMS**  
 RT ∞ BLADES  
 BORDERS  
 EDGES  
 MARGINS  
 SIDES
- RING CURRENTS**  
 GS ELECTRIC CURRENT  
 . **RING CURRENTS**  
 RT ATMOSPHERIC ELECTRICITY  
 ELECTROJETS  
 PLASMA CURRENTS
- RING DISCHARGE**  
 GS ELECTRIC CURRENT  
 . ELECTRIC DISCHARGES  
 . . TOWNSEND DISCHARGE  
 . . . GAS DISCHARGES  
 . . . . TOROIDAL DISCHARGE  
 . . . . . **RING DISCHARGE**  
 RT ∞ DISCHARGE  
 ELECTRODELESS DISCHARGES  
 GAS IONIZATION  
 HIGH FREQUENCIES  
 RADIO FREQUENCY DISCHARGE
- RING LASERS**  
 GS STIMULATED EMISSION DEVICES  
 . LASERS  
 . **RING LASERS**
- RING STRUCTURES**  
 GS **RING STRUCTURES**  
 . REINFORCEMENT RINGS  
 . RING WINGS  
 RT AERODYNAMIC CONFIGURATIONS  
 ∞ BANDS

## RING STRUCTURES-(CONT.)

- HOOPS  
 REINFORCEMENT (STRUCTURES)  
 ∞ RINGS  
 ∞ STRUCTURES
- RING WINGS**  
 GS AIRFOILS  
 . WINGS  
 . . UNCAMBERED WINGS  
 . . . **RING WINGS**  
 . . . UNSWEPT WINGS  
 . . . **RING WINGS**  
 RING STRUCTURES  
 . **RING WINGS**  
 RT DUCTED FANS  
 SHROUDED PROPELLERS  
 TWISTED WINGS
- ∞ **RINGS**  
 SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT ANNULI  
 BODIES OF REVOLUTION  
 CIRCLES (GEOMETRY)  
 JUPITER RINGS  
 O RING SEALS  
 PLANETARY RINGS  
 REINFORCEMENT RINGS  
 RING STRUCTURES  
 RINGS (MATHEMATICS)  
 SATURN RINGS  
 STORAGE RINGS (PARTICLE ACCELERATORS)  
 TOROIDAL PLASMAS  
 TORUSES  
 URANUS RINGS  
 VORTEX RINGS
- RINGS (MATHEMATICS)**  
 RT ∞ MATHEMATICS  
 ∞ RINGS
- RIO GRANDE (NORTH AMERICA)**  
 GS RIVERS  
 . **RIO GRANDE (NORTH AMERICA)**  
 RT GULF OF MEXICO  
 MEXICO  
 NEW MEXICO  
 TEXAS
- RIOMETERS**  
 GS MEASURING INSTRUMENTS  
 . RADIATION MEASURING INSTRUMENTS  
 . . **RIOMETERS**  
 RT ATMOSPHERIC IONIZATION  
 AURORAL ABSORPTION  
 IONOGRAMS  
 IONOSONDES  
 IONOSPHERIC NOISE  
 IONOSPHERIC PROPAGATION
- RIPPLES**  
 GS ELASTIC WAVES  
 . CAPILLARY WAVES  
 . . **RIPPLES**  
 SURFACE WAVES  
 . CAPILLARY WAVES  
 . . **RIPPLES**  
 RT GRAVITY WAVES  
 INTERFACIAL TENSION  
 WATER WAVES  
 WIND (METEOROLOGY)
- RISERS**  
 RT CASTINGS  
 PIPES (TUBES)
- RISK**  
 RT ACCEPTABILITY  
 ASSUMPTIONS  
 ∞ CAPACITY  
 COMMERCE  
 CONFIDENCE  
 CONFIDENCE LIMITS  
 CONTINGENCY  
 DECISION THEORY  
 ESTIMATES  
 ESTIMATING  
 FINANCE  
 FORECASTING  
 GAME THEORY  
 HAZARDS  
 INVENTORY CONTROLS

## RISK-(CONT.)

- MATHEMATICAL MODELS  
 MAXIMUM LIKELIHOOD ESTIMATES  
 OPERATIONS RESEARCH  
 PREDICTIONS  
 RELIABILITY  
 STRATEGY
- RIT ENGINES**  
 UF RADIO FREQUENCY ION THRUSTOR  
 ENGINES  
 GS ENGINES  
 . ROCKET ENGINES  
 . ELECTRIC ROCKET ENGINES  
 . . ION ENGINES  
 . . . **RIT ENGINES**  
 RT ELECTROSTATIC ENGINES  
 PLASMA ENGINES
- RITZ AVERAGING METHOD**  
 GS ANALYSIS (MATHEMATICS)  
 . NUMERICAL ANALYSIS  
 . . APPROXIMATION  
 . . . **RITZ AVERAGING METHOD**  
 RT ∞ METHODOLOGY
- RIVER BASINS**  
 GS LANDFORMS  
 . STRUCTURAL BASINS  
 . . **RIVER BASINS**  
 . . . ATCHAFALAYA RIVER BASIN (LA)  
 . . . CHENA RIVER BASIN (AK)  
 . . . COLUMBIA RIVER BASIN (ID-OR-WA)  
 . . . DELAWARE RIVER BASIN (US)  
 . . . FEATHER RIVER BASIN (CA)  
 . . . MISSOURI RIVER BASIN (US)  
 . . . SUSQUEHANNA RIVER BASIN (MD-NY-PA)  
 . . . WABASH RIVER BASIN (IL-IN-OH)  
 . . . WADIS  
 RT AMAZON REGION (SOUTH AMERICA)  
 CHESAPEAKE BAY (US)  
 DEATH VALLEY (CA)  
 INTERNATIONAL HYDROLOGICAL  
 DECADE  
 LAKES  
 MEANDERS  
 MISSISSIPPI RIVER (US)  
 MISSOURI RIVER (US)  
 RAPIDS  
 RAVINES  
 RIVERS  
 SACRAMENTO VALLEY (CA)  
 SAGINAW BAY (MI)  
 SAN JOAQUIN VALLEY (CA)  
 SHENANDOAH VALLEY (VA)  
 VADOSE WATER  
 WATERSHEDS
- RIVERS**  
 GS **RIVERS**  
 . COLORADO RIVER (NORTH AMERICA)  
 . HUDSON RIVER (NY-NJ)  
 . MISSISSIPPI RIVER (US)  
 . MISSOURI RIVER (US)  
 . OHIO RIVER (US)  
 . RIO GRANDE (NORTH AMERICA)  
 RT ALLUVIUM  
 AMAZON REGION (SOUTH AMERICA)  
 ATCHAFALAYA RIVER BASIN (LA)  
 AUFEIS (ICE)  
 BAYOUS  
 CANYONS  
 COLUMBIA RIVER BASIN (ID-OR-WA)  
 DELAWARE RIVER BASIN (US)  
 DELTAS  
 EARTH RESOURCES  
 EROSION  
 ESTUARIES  
 FEATHER RIVER BASIN (CA)  
 INLAND WATERS  
 LAKE ERIE  
 LAKE HURON  
 LAKE MICHIGAN  
 LAKE ONTARIO  
 LAKE SUPERIOR  
 MEANDERS  
 MISSISSIPPI DELTA (LA)  
 MISSOURI RIVER BASIN (US)  
 RAPIDS  
 RESERVOIRS  
 RHONE DELTA (FRANCE)  
 RIVER BASINS  
 SHOALS  
 SHORELINES

## ROCKET ENGINE NOISE

### RIVERS-(CONT.)

SOUNDS (TOPOGRAPHIC FEATURES)  
STREAMS  
SURFACE WATER  
SUSQUEHANNA RIVER BASIN  
(MD-NY-PA)  
TRIBUTARIES  
VALLEYS  
WABASH RIVER BASIN (IL-IN-OH)  
WADIS  
WATER COLOR  
WATER RUNOFF  
WATERSHEDS  
WATERWAYS  
WHARVES

### RIVETED JOINTS

GS JOINTS (JUNCTIONS)  
RT . RIVETED JOINTS  
BOLTED JOINTS  
BUTT JOINTS  
LAP JOINTS  
METAL JOINTS  
WELDED JOINTS

### RIVETING

RT ∞ JOINING  
RIVETS  
SEALING

### RIVETS

GS FASTENERS  
RT . RIVETS  
COUPLINGS  
HOLDERS  
PINS  
RIVETING

### RL CIRCUITS

UF LR CIRCUITS  
GS CIRCUITS  
RT . RL CIRCUITS  
RLC CIRCUITS  
COUPLING CIRCUITS  
ELECTRICAL RESISTANCE  
INDUCTANCE  
LC CIRCUITS  
NETWORK ANALYSIS  
NETWORK SYNTHESIS  
TIME CONSTANT  
TRANSCONDUCTANCE

### RL-10 ENGINES

GS ENGINES  
ROCKET ENGINES  
LIQUID PROPELLANT ROCKET ENGINES  
RL-10 ENGINES  
RL-10-A-1 ENGINE  
RL-10-A-3 ENGINE  
RT ATLAS CENTAUR LAUNCH VEHICLE  
CENTAUR PROJECT  
CRYOGENIC ROCKET PROPELLANTS  
SATURN LAUNCH VEHICLES

### RL-10-A-1 ENGINE

GS ENGINES  
ROCKET ENGINES  
LIQUID PROPELLANT ROCKET ENGINES  
HYDROGEN OXYGEN ENGINES  
RL-10-A-1 ENGINE  
RL-10 ENGINES  
RL-10-A-1 ENGINE

### RL-10-A-3 ENGINE

GS ENGINES  
ROCKET ENGINES  
LIQUID PROPELLANT ROCKET ENGINES  
HYDROGEN OXYGEN ENGINES  
RL-10-A-3 ENGINE  
RL-10 ENGINES  
RL-10-A-3 ENGINE  
RT SATURN D LAUNCH VEHICLE

### RLC CIRCUITS

UF LRC CIRCUITS  
GS RLC NETWORKS  
CIRCUITS  
RL CIRCUITS  
RLC CIRCUITS  
RT CAPACITANCE  
CAPACITANCE SWITCHES  
ELECTRICAL RESISTANCE

### RLC CIRCUITS-(CONT.)

LC CIRCUITS  
NETWORK ANALYSIS  
NETWORK SYNTHESIS  
RC CIRCUITS  
TIME CONSTANT  
TRANSCONDUCTANCE

### RLC NETWORKS

USE RLC CIRCUITS

### RNA

USE RIBONUCLEIC ACIDS

### ROADS

GS ROADS  
HIGHWAYS  
RT ∞ FACILITIES  
INTERSECTIONS  
PASSAGEWAYS  
PAVEMENTS  
RAPID TRANSIT SYSTEMS  
SITE SELECTION  
STREETS  
TRANSPORTATION  
TRANSPORTATION NETWORKS

### ROADWAY POWERED VEHICLES

GS SURFACE VEHICLES  
ROADWAY POWERED VEHICLES  
RT ELECTRIC BATTERIES  
ELECTRIC MOTOR VEHICLES  
ENERGY STORAGE

### ROASTING

UF CALCINATION  
RT BAKING  
DESULFURIZING  
DRYING  
HEATING  
IGNITION  
OXIDATION  
REDUCTION (CHEMISTRY)  
SINTERING

### ROBIN BALLOONS

GS EXPANDABLE STRUCTURES  
INFLATABLE STRUCTURES  
BALLOONS  
METEOROLOGICAL BALLOONS  
ROBIN BALLOONS  
RT HIGH ALTITUDE BALLOONS  
RADIOSONDES  
ROCKOONS  
SKYHOOK BALLOONS  
SOUNDING

### ROBOTICS

RT ARTIFICIAL INTELLIGENCE  
AUTOMATA THEORY  
AUTOMATIC CONTROL  
AUTOMATION  
COMPUTER AIDED DESIGN  
COMPUTER AIDED MANUFACTURING  
COMPUTER AIDED MAPPING  
COMPUTER VISION  
END EFFECTORS  
MAN MACHINE SYSTEMS  
MANIPULATORS  
POSITION SENSING  
ROBOTS  
TELEOPERATORS  
VOICE CONTROL

### ROBOTS

RT ARTIFICIAL INTELLIGENCE  
AUTOMATA THEORY  
BIONICS  
COMPUTER VISION  
END EFFECTORS  
PSYCHOLINGUISTICS  
ROBOTICS  
SERVOMECHANISMS  
VOICE CONTROL

### ROBUSTNESS (MATHEMATICS)

RT ALGORITHMS  
CONTROL STABILITY  
CONTROL THEORY  
FEEDBACK CONTROL  
LINEAR SYSTEMS  
MATHEMATICAL MODELS

### ROCHE LIMIT

GS RANGE (EXTREMES)  
ROCHE LIMIT  
RT CELESTIAL MECHANICS  
DIMENSIONAL STABILITY  
GRAVITATION  
NATURAL SATELLITES  
ORBITS  
ROTATING BODIES  
TWO BODY PROBLEM

### ROCK BOLTS

GS FASTENERS  
BOLTS  
ROCK BOLTS

### ROCK INTRUSIONS

UF DIKES (GEOLOGY)  
GS ROCK INTRUSIONS  
BATHOLITHS  
RT CONTACTS (GEOLOGY)  
IGNEOUS ROCKS  
INLIERS (LANDFORMS)  
REGOLITH  
ROCKS

### ROCK MECHANICS

RT FRACTURE MECHANICS  
GEOLOGY  
ROCKS  
SOIL MECHANICS  
STRUCTURAL PROPERTIES (GEOLOGY)

### ROCK SALT

USE HALITES

### ROCKET BOOSTERS

USE BOOSTER ROCKET ENGINES

### ROCKET CATAPULTS

GS LAUNCHERS  
CATAPULTS  
ROCKET CATAPULTS  
ROCKET LAUNCHERS  
ROCKET CATAPULTS  
RT GUN LAUNCHERS  
LAUNCH VEHICLES  
LAUNCHING SITES  
MISSILES  
ROCKETS

### ROCKET CHAMBERS

USE THRUST CHAMBERS

### ROCKET ENGINE CASES

UF MISSILE ENGINE CASES  
ROCKET MOTOR CASES  
CASES (CONTAINERS)  
GS ROCKET ENGINE CASES  
RT MISSILE BODIES  
ORTHOTROPIC CYLINDERS  
PERFORATED SHELLS  
SHELLS (STRUCTURAL FORMS)  
THRUST CHAMBERS

### ROCKET ENGINE CONTROL

GS ENGINE CONTROL  
ROCKET ENGINE CONTROL  
RT ATTITUDE CONTROL  
AUTOMATIC CONTROL  
CONTROL  
DIRECTIONAL CONTROL  
FLIGHT CONTROL  
FUEL CONTROL  
HEUS ROCKET ENGINES  
MISSILE CONTROL  
REMOTE CONTROL  
SERVOCONTROL  
SPACECRAFT CONTROL  
THRUST CONTROL

### ROCKET ENGINE DESIGN

GS ENGINE DESIGN  
ROCKET ENGINE DESIGN  
RT COLD FLOW TESTS  
DESIGN  
ENGINE TESTS  
PREFIRING TESTS  
ROVER PROJECT

### ROCKET ENGINE NOISE

GS ELASTIC WAVES  
SOUND WAVES  
NOISE (SOUND)

## ROCKET ENGINE 9KS-11000

### ROCKET ENGINE NOISE-(CONT.)

... ENGINE NOISE  
... **ROCKET ENGINE NOISE**  
RT MUFFLERS

### ROCKET ENGINE 9KS-11000

GS ENGINES  
... ROCKET ENGINES  
... BOOSTER ROCKET ENGINES  
... **ROCKET ENGINE 9KS-11000**

### ROCKET ENGINES

UF INTERPLANETARY PROPULSION  
GS ENGINES  
... **ROCKET ENGINES**  
... BOOSTER ROCKET ENGINES  
... AJ-10 ENGINE  
... ALGOL ENGINE  
... APOGEE BOOST MOTORS  
... H-1 ENGINE  
... LR-87-AJ-5 ENGINE  
... M-1 ENGINE  
... M-55 ENGINE  
... MA-2 ENGINE  
... MA-3 ENGINE  
... MA-5 ENGINE  
... NIKE BOOSTER ROCKET ENGINES  
... P-1 ENGINE  
... ROCKET ENGINE 9KS-11000  
... SPACE SHUTTLE BOOSTERS  
... X-405 ENGINE  
... DUCTED ROCKET ENGINES  
... ELECTRIC ROCKET ENGINES  
... ELECTROSTATIC ENGINES  
... ELECTROTHERMAL ENGINES  
... ARC JET ENGINES  
... RESISTOJET ENGINES  
... ION ENGINES  
... CESIUM ENGINES  
... MERCURY ION ENGINES  
... RIT ENGINES  
... HEUS ROCKET ENGINES  
... HOT WATER ROCKET ENGINES  
... HYBRID PROPELLANT ROCKET ENGINES  
... LITHERGOL ROCKET ENGINES  
... LIQUID PROPELLANT ROCKET ENGINES  
... AJ-10 ENGINE  
... F-1 ROCKET ENGINE  
... H-1 ENGINE  
... HYDRAZINE ENGINES  
... HYDROGEN OXYGEN ENGINES  
... J-2 ENGINE  
... M-1 ENGINE  
... RL-10-A-1 ENGINE  
... RL-10-A-3 ENGINE  
... LIQUID AIR CYCLE ENGINES  
... LR-62-RM-2 ENGINE  
... LR-87-AJ-5 ENGINE  
... LR-91-AJ-5 ENGINE  
... LR-99 ENGINE  
... MA-2 ENGINE  
... MA-3 ENGINE  
... MA-5 ENGINE  
... RL-10 ENGINES  
... RL-10-A-1 ENGINE  
... RL-10-A-3 ENGINE  
... SPACE SHUTTLE MAIN ENGINE  
... X-405 ENGINE  
... XLR-99 ENGINE  
... YLR-91-AJ-1 ENGINE  
... M-100 ENGINE  
... MICROROCKET ENGINES  
... ORBIT MANEUVERING ENGINE (SPACE SHUTTLE)  
... NOZZLELESS ROCKET ENGINES  
... NUCLEAR ENGINE FOR ROCKET VEHICLES  
... NUCLEAR RAMJET ENGINES  
... NUCLEAR ROCKET ENGINES  
... NUCLEAR LIGHTBULB ENGINES  
... RESTARTABLE ROCKET ENGINES  
... RETROROCKET ENGINES  
... BE-3 ENGINE  
... REUSABLE ROCKET ENGINES  
... SOLID PROPELLANT ROCKET ENGINES  
... ALGOL ENGINE  
... APOGEE BOOST MOTORS  
... ASROC ENGINE  
... HERCULES ENGINE  
... M-46 ENGINE  
... M-55 ENGINE  
... M-56 ENGINE

### ROCKET ENGINES-(CONT.)

... M-57 ENGINE  
... NIKE BOOSTER ROCKET ENGINES  
... P-1 ENGINE  
... SL-3 ROCKET ENGINE  
... SPACE SHUTTLE BOOSTERS  
... SYNCOM APOGEE ENGINES  
... TU-121 ENGINE  
... TX-77 ENGINE  
... TX-354 ENGINE  
... X-248 ENGINE  
... X-254 ENGINE  
... X-258 ENGINES  
... X-258-B1 ENGINE  
... X-259 ENGINE  
... XM-33 ENGINE  
... SUSTAINER ROCKET ENGINES  
... TURBOROCKET ENGINES  
... ULLAGE ROCKET ENGINES  
... UPPER STAGE ROCKET ENGINES  
... VERNIER ENGINES  
... SYNCOM APOGEE ENGINES  
RT AIRCRAFT ENGINES  
AXIAL MODES  
BURNING TIME  
DUMP COMBUSTORS  
EJECTORS  
EXHAUST NOZZLES  
EXPENDABLE STAGES (SPACECRAFT)  
HEAVY LIFT LAUNCH VEHICLES  
HYBRID PROPULSION  
IGNITION SYSTEMS  
INTERNAL COMBUSTION ENGINES  
JET ENGINES  
JET PROPULSION  
LASER PROPULSION  
LAUNCH VEHICLES  
LUNAR MODULE ASCENT STAGE  
MAGNETOPLASMA DYNAMICS  
MISSILE CONFIGURATIONS  
MISSILES  
MULTISTAGE ROCKET VEHICLES  
POST BOOST PROPULSION SYSTEM  
... PROPELLANT ACTUATED DEVICES  
... PROPELLANT EXPLOSIONS  
... REFRACTORIES  
... REUSABLE LAUNCH VEHICLES  
... RIFT (REACTOR IN FLIGHT TEST)  
... ROCKETS  
... SINGLE STAGE ROCKET VEHICLES  
... SOLID ROCKET PROPELLANTS  
... SPACECRAFT COMPONENTS  
... SPACECRAFT PROPULSION  
... SPACECRAFT STRUCTURES  
... THRUST  
... THRUST VECTOR CONTROL  
... THRUST-WEIGHT RATIO  
... THRUSTORS

### ROCKET EXHAUST

GS PLUMES  
... **ROCKET EXHAUST**  
RT BASE HEATING  
COMBUSTION PRODUCTS  
EXHAUST CLOUDS  
EXHAUST GASES  
EXHAUST SYSTEMS  
JET EXHAUST

### ROCKET FIRING

GS FIRING (IGNITING)  
... **ROCKET FIRING**  
... RETROFIRING  
RT BURNING TIME  
DETONATION  
LIFTOFF (LAUNCHING)  
STATIC FIRING  
TEST FIRING

### ROCKET FLIGHT

RT CLIMBING FLIGHT  
COASTING FLIGHT  
... FLIGHT  
... FLIGHT PATHS  
... HORIZONTAL FLIGHT  
... HYPERSONIC FLIGHT  
... METEOROLOGICAL FLIGHT  
... SPACE FLIGHT  
... SUBORBITAL FLIGHT  
... SUPERSONIC FLIGHT  
... TRAJECTORIES  
... TRANSONIC FLIGHT  
... VERTICAL FLIGHT

### ROCKET LAUNCHERS

GS LAUNCHERS  
... **ROCKET LAUNCHERS**  
... ROCKET CATAPULTS  
RT GROUND SUPPORT EQUIPMENT  
GUN LAUNCHERS  
LAUNCH VEHICLES  
LAUNCHING  
LAUNCHING SITES  
MISSILE LAUNCHERS  
... ROCKETS  
... ROCKOONS  
... SEA LAUNCHING

### ROCKET LAUNCHING

UF BLASTOFF  
GS LAUNCHING  
... **ROCKET LAUNCHING**  
... LIFTOFF (LAUNCHING)  
... LUNAR LAUNCH  
... ORBITAL LAUNCHING  
RT EXHAUST CLOUDS  
LAUNCH VEHICLES  
LAUNCH WINDOWS  
LAUNCHERS  
SPACECRAFT LAUNCHING

### ROCKET LININGS

GS LININGS  
... **ROCKET LININGS**  
RT ENGINE PARTS  
REFRACTORIES

### ROCKET MOTOR CASES

USE ROCKET ENGINE CASES

### ROCKET NOSE CONES

GS CONES  
... NOSE CONES  
... **ROCKET NOSE CONES**  
... FOREBODIES  
... NOSES (FOREBODIES)  
... NOSE CONES  
... **ROCKET NOSE CONES**  
RT ABLATIVE NOSE CONES

### ROCKET NOZZLES

GS **ROCKET NOZZLES**  
... DUAL THRUST NOZZLES  
RT ANNULAR NOZZLES  
CONICAL NOZZLES  
CONVERGENT-DIVERGENT NOZZLES  
DIVERGENT NOZZLES  
HYPERSONIC NOZZLES  
NOZZLE INSERTS  
NOZZLELESS ROCKET ENGINES  
... NOZZLES  
... PLUG NOZZLES  
... SKIRTS  
... SPIKE NOZZLES  
... SUPERSONIC NOZZLES

### ROCKET OXIDIZERS

UF PROPELLANT OXIDIZERS  
GS OXIDIZERS  
... **ROCKET OXIDIZERS**  
... FLOX  
... TAGN  
RT CRYOGENIC FLUIDS  
DOMINO PROPELLANTS  
HIGH ENERGY OXIDIZERS  
HYDROGEN PEROXIDE  
LIQUID OXIDIZERS  
LIQUID OXYGEN  
NITROGEN TETROXIDE  
NITRONIUM PERCHLORATE  
TATB  
TETRAFLUOROHYDRAZINE

### ROCKET PLANES

GS ROCKET VEHICLES  
... **ROCKET PLANES**  
... X-1 AIRCRAFT  
... X-2 AIRCRAFT  
... X-15 AIRCRAFT  
RT AEROSPACE PLANES  
... AIRCRAFT  
... BOOSTGLIDE VEHICLES  
... RESEARCH AIRCRAFT

### ROCKET PROPELLANT TANKS

USE PROPELLANT TANKS

## ROCKET-BORNE PHOTOGRAPHY

### ROCKET PROPELLANTS

UF MULTIPROPELLANTS  
GS PROPELLANTS  
    **ROCKET PROPELLANTS**  
    . . . GASEOUS ROCKET PROPELLANTS  
    . . . LIQUID ROCKET PROPELLANTS  
    . . . CRYOGENIC ROCKET PROPELLANTS  
    . . . GELLED ROCKET PROPELLANTS  
    . . . HYPERGOLIC ROCKET PROPELLANTS  
    . . . MONOPROPELLANTS  
    . . . AEROZINE  
    . . . RP-1 ROCKET PROPELLANTS  
    . . . SLURRY PROPELLANTS  
    . . . NITRAMINE PROPELLANTS  
    . . . SOLID ROCKET PROPELLANTS  
    . . . DOUBLE BASE ROCKET PROPELLANTS  
    . . . METAL PROPELLANTS  
    . . . TAGN  
    . . . TATB  
RT ASCENT PROPULSION SYSTEMS  
AUXILIARY PROPULSION  
FUELS  
HYDRAZINES  
HYDROCARBON FUELS  
MISSILES  
PROPELLANT BINDERS  
PROPELLANT STORAGE  
PROPULSION  
SOLID PROPELLANTS  
SPECIFIC IMPULSE  
STORABLE PROPELLANTS  
THRUST  
TORPEDO ENGINES

### ROCKET PROPELLED SLEDS

GS SURFACE VEHICLES  
    . . . SLEDS  
    **ROCKET PROPELLED SLEDS**  
RT JAVELIN ROCKET VEHICLE  
    ∞ TEST EQUIPMENT

### ROCKET SONDES

USE SOUNDING ROCKETS

### ROCKET SOUNDING

GS SOUNDING  
    **ROCKET SOUNDING**  
RT ACOUSTIC SOUNDING  
ATMOSPHERIC SOUNDING  
BARIUM ION CLOUDS  
IONOSPHERIC SOUNDING  
JUDI-DART ROCKET  
MICROWAVE SOUNDING  
SATELLITE SOUNDING  
SOUNDING ROCKETS

### ROCKET TEST FACILITIES

GS TEST FACILITIES  
    **ROCKET TEST FACILITIES**  
RT ENGINE TESTS  
TEST FIRING  
TEST RANGES  
TEST STANDS

### ROCKET THRUST

GS THRUST  
    **ROCKET THRUST**  
    . . . RETROTHRUST  
RT HIGH THRUST  
JET THRUST  
LIFTOFF (LAUNCHING)  
LOW THRUST  
LOW THRUST PROPULSION  
MICROTHRUST  
PROPULSION SYSTEM PERFORMANCE  
SPECIFIC IMPULSE  
STATIC THRUST  
THRUST LOADS  
THRUST TERMINATION  
VARIABLE THRUST

### ROCKET VEHICLES

GS **ROCKET VEHICLES**  
    . . . ARCON ROCKET VEHICLE  
    . . . BLUE STREAK LAUNCH VEHICLE  
    . . . BLUE STREAK MISSILE  
    . . . CENTAUR LAUNCH VEHICLE  
    . . . ATLAS CENTAUR LAUNCH VEHICLE  
    . . . FOLDING FIN AIRCRAFT ROCKET VEHICLE  
    . . . HOVERING ROCKET VEHICLES  
    . . . METEOR 1 ROCKET VEHICLE  
    . . . MULTISTAGE ROCKET VEHICLES

### ROCKET VEHICLES-(CONT.)

. . . ABLESTAR LAUNCH VEHICLE  
. . . ANTARES ROCKET VEHICLE  
. . . ARGO ROCKET VEHICLES  
. . . ARIANE LAUNCH VEHICLE  
. . . ASTROBEE ROCKET VEHICLES  
. . . ASTROBEE 1500 ROCKET VEHICLE  
. . . ATHENA ROCKET VEHICLE  
. . . ATLAS LAUNCH VEHICLES  
. . . ATLAS ABLE 5 LAUNCH VEHICLE  
. . . ATLAS AGENA B LAUNCH VEHICLE  
. . . ATLAS AGENA LAUNCH VEHICLES  
. . . ATLAS CENTAUR LAUNCH VEHICLE  
. . . ATLAS SLV-3 LAUNCH VEHICLE  
. . . BERENICE ROCKET VEHICLE  
. . . BLACK KNIGHT ROCKET VEHICLE  
. . . BLUE SCOUT ROCKET VEHICLE  
. . . DIAMANT LAUNCH VEHICLE  
. . . ELDO LAUNCH VEHICLE  
. . . EXOS SOUNDING ROCKET  
. . . JAGUAR ROCKET VEHICLE  
. . . JAVELIN ROCKET VEHICLE  
. . . JUNO LAUNCH VEHICLES  
. . . JUNO 1 LAUNCH VEHICLE  
. . . JUNO 2 LAUNCH VEHICLE  
. . . JUPITER C ROCKET VEHICLE  
. . . KAPPA ROCKET VEHICLES  
. . . KAPPA 8 ROCKET VEHICLE  
. . . KAPPA 9 ROCKET VEHICLE  
. . . LAMBDA ROCKET VEHICLES  
. . . LITTLE JOE 2 LAUNCH VEHICLE  
. . . NIKE ROCKET VEHICLES  
. . . NIKE-APACHE ROCKET VEHICLE  
. . . NIKE-CAJUN ROCKET VEHICLE  
. . . NIKE-HYDAC ROCKET VEHICLE  
. . . NIKE-IROQUOIS ROCKET VEHICLE  
. . . NIKE-JAVELIN ROCKET VEHICLE  
. . . NIKE-TOMAHAWK ROCKET VEHICLE  
. . . NOVA LAUNCH VEHICLES  
. . . PHOENIX SOUNDING ROCKET  
. . . RAM B LAUNCH VEHICLE  
. . . RUBIS ROCKET VEHICLE  
. . . SATURN LAUNCH VEHICLES  
. . . SATURN D LAUNCH VEHICLE  
. . . SATURN 1 LAUNCH VEHICLES  
. . . SATURN 1 SA-1 LAUNCH VEHICLE  
. . . SATURN 1 SA-2 LAUNCH VEHICLE  
. . . SATURN 1 SA-3 LAUNCH VEHICLE  
. . . SATURN 1 SA-4 LAUNCH VEHICLE  
. . . SATURN 1 SA-5 LAUNCH VEHICLE  
. . . SATURN 1 SA-6 LAUNCH VEHICLE  
. . . SATURN 1 SA-7 LAUNCH VEHICLE  
. . . SATURN 1 SA-8 LAUNCH VEHICLE  
. . . SATURN 1 SA-9 LAUNCH VEHICLE  
. . . SATURN 1 SA-10 LAUNCH VEHICLE  
. . . SATURN 1B LAUNCH VEHICLES  
. . . SATURN 2 LAUNCH VEHICLES  
. . . SATURN 5 LAUNCH VEHICLES  
. . . SCOUT LAUNCH VEHICLE  
. . . SKYLARK ROCKET VEHICLE  
. . . THOR LAUNCH VEHICLES  
. . . THOR ABLE ROCKET VEHICLE  
. . . THOR AGENA LAUNCH VEHICLE  
. . . THOR DELTA LAUNCH VEHICLE  
. . . TITAN LAUNCH VEHICLES  
. . . TITAN 3 LAUNCH VEHICLE  
. . . VANGUARD 2 LAUNCH VEHICLE  
. . . VEGA LAUNCH VEHICLE  
. . . WASP SOUNDING ROCKET  
. . . PAYLOAD ASSIST MODULE  
. . . ROCKET PLANES  
. . . X-1 AIRCRAFT  
. . . X-2 AIRCRAFT  
. . . X-15 AIRCRAFT  
. . . SATURN STAGES  
. . . SATURN S-1 STAGE  
. . . SATURN S-1B STAGE  
. . . SATURN S-1C STAGE  
. . . SATURN S-2 STAGE  
. . . SATURN S-4 STAGE  
. . . SATURN S-4B STAGE  
. . . SINGLE STAGE ROCKET VEHICLES  
. . . AGENA ROCKET VEHICLES  
. . . AGENA A ROCKET VEHICLE  
. . . AGENA B ROCKET VEHICLE  
. . . AGENA C ROCKET VEHICLE  
. . . AGENA D ROCKET VEHICLE  
. . . ARCAS ROCKET VEHICLES  
. . . BLACK BRANT SOUNDING ROCKETS  
. . . BLACK BRANT 1 SOUNDING ROCKET  
. . . BLACK BRANT 2 SOUNDING ROCKET  
. . . BLACK BRANT 3 SOUNDING ROCKET

### ROCKET VEHICLES-(CONT.)

. . . BLACK BRANT 4 SOUNDING ROCKET  
. . . BLACK BRANT 5 SOUNDING ROCKET  
. . . BLACK KNIGHT ROCKET VEHICLE  
. . . DORNIER PARAGLIDER ROCKET VEHICLE  
. . . GENIE ROCKET VEHICLE  
. . . HONEST JOHN ROCKET VEHICLE  
. . . HYLAR STAR ROCKET VEHICLE  
. . . LITTLE JOHN ROCKET VEHICLE  
. . . LOKI ROCKET VEHICLE  
. . . NOMAD LAUNCH VEHICLE  
. . . VERONIQUE ROCKET VEHICLES  
. . . VIKING ROCKET VEHICLE  
. . . ZUNI ROCKET VEHICLE  
. . . SOUNDING ROCKETS  
. . . AEROBEE ROCKET VEHICLE  
. . . ANTARES ROCKET VEHICLE  
. . . APACHE ROCKET VEHICLE  
. . . ARCAS ROCKET VEHICLES  
. . . ARIES SOUNDING ROCKET  
. . . ASP ROCKET VEHICLE  
. . . ASTROBEE ROCKET VEHICLES  
. . . ASTROBEE 1500 ROCKET VEHICLE  
. . . BLACK BRANT SOUNDING ROCKETS  
. . . BLACK BRANT 1 SOUNDING ROCKET  
. . . BLACK BRANT 2 SOUNDING ROCKET  
. . . BLACK BRANT 3 SOUNDING ROCKET  
. . . BLACK BRANT 4 SOUNDING ROCKET  
. . . BLACK BRANT 5 SOUNDING ROCKET  
. . . CAJUN ROCKET VEHICLE  
. . . DORNIER PARAGLIDER ROCKET VEHICLE  
. . . EXOS SOUNDING ROCKET  
. . . JAGUAR ROCKET VEHICLE  
. . . JUDI-DART ROCKET  
. . . KAPPA ROCKET VEHICLES  
. . . KAPPA 8 ROCKET VEHICLE  
. . . KAPPA 9 ROCKET VEHICLE  
. . . LAMBDA ROCKET VEHICLES  
. . . LOKI ROCKET VEHICLE  
. . . PETREL SOUNDING ROCKET  
. . . PHOENIX SOUNDING ROCKET  
. . . SKUA ROCKET VEHICLES  
. . . SKYLARK ROCKET VEHICLE  
. . . VENUS FLY TRAP ROCKET VEHICLE  
. . . VERONIQUE ROCKET VEHICLES  
. . . VERTICAL 8 ROCKET  
. . . WASP SOUNDING ROCKET  
. . . STANDARD LAUNCH VEHICLES  
. . . ATLAS SLV-3 LAUNCH VEHICLE  
. . . STANDARD LAUNCH VEHICLE 5  
. . . SURFACE TO SURFACE ROCKETS  
. . . HONEST JOHN ROCKET VEHICLE  
. . . LITTLE JOHN ROCKET VEHICLE  
. . . THORAD LAUNCH VEHICLES  
. . . THOR ABLE ROCKET VEHICLE  
. . . THOR AGENA LAUNCH VEHICLE  
. . . THOR DELTA LAUNCH VEHICLE  
. . . TITAN CENTAUR LAUNCH VEHICLE  
RT ACOUSTIC SOUNDING  
    ∞ BALLISTIC VEHICLES  
    ∞ FLIGHT VEHICLES  
    HEUS ROCKET ENGINES  
    LAUNCH VEHICLES  
    MISSILE CONFIGURATIONS  
    MULTIENGINE VEHICLES  
    ∞ ROCKETS  
    SPACE PROCESSING APPLICATIONS  
    ROCKET  
    STAGE SEPARATION  
    TEST VEHICLES  
    TRAILBLAZER 1 REENTRY VEHICLE  
    TRAILBLAZER 2 REENTRY VEHICLE  
    ∞ VEHICLES  
    ∞ WINGED VEHICLES  
    X-17 REENTRY VEHICLE

### ROCKET-BORNE INSTRUMENTS

RT CONTROLLERS  
FLIGHT TEST INSTRUMENTS  
∞ INSTRUMENTS  
MEASURING INSTRUMENTS  
METEOROLOGICAL INSTRUMENTS  
POSITION INDICATORS

### ROCKET-BORNE PHOTOGRAPHY

GS IMAGERY

## ROCKETS

### ROCKET-BORNE PHOTOGRAPHY-(CONT.)

- . ROCKET-BORNE PHOTOGRAPHY PHOTOGRAPHY
- . **ROCKET-BORNE PHOTOGRAPHY**
- RT AERIAL PHOTOGRAPHY
- ASTRONOMICAL PHOTOGRAPHY
- BLACK AND WHITE PHOTOGRAPHY
- PHOTOMAPPING
- SATELLITE-BORNE PHOTOGRAPHY
- SPACEBORNE PHOTOGRAPHY

### ∞ ROCKETS

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT AIR SLEW MISSILES
- AMMUNITION
- ESCAPE ROCKETS
- HEAVY LIFT LAUNCH VEHICLES
- INCENDIARY AMMUNITION
- LAUNCH VEHICLES
- MISSILES
- NUCLEAR RAMJET ENGINES
- NUCLEAR ROCKET ENGINES
- NUCLEAR WEAPONS
- PATRIOT MISSILE
- PETREL SOUNDING ROCKET
- PYROTECHNICS
- REENTRY
- REENTRY VEHICLES
- ROCKET CATAPULTS
- ROCKET ENGINES
- ROCKET LAUNCHERS
- ROCKET VEHICLES
- ROCKOONS
- SPACE FLIGHT
- SURFACE TO AIR MISSILES
- SURFACE TO SURFACE MISSILES
- SURFACE TO SURFACE ROCKETS
- TORPEDOES
- VERTICAL 8 ROCKET
- WARHEADS
- WEAPON SYSTEMS
- WEAPONS DELIVERY

### ROCKOONS

- RT HIGH ALTITUDE BALLOONS
- METEOROLOGICAL BALLOONS
- ROBIN BALLOONS
- ROCKET LAUNCHERS
- ∞ ROCKETS
- SKYHOOK BALLOONS

### ROCKS

- UF STONES (ROCKS)
- GS **ROCKS**
- . ANDESITE
- . ATAXITE
- . BEDROCK
- . . . . . BALTIC SHIELD (EUROPE)
- . . . . . BATHOLITHS
- . . . . . BRECCIA
- . . . . . GNEISS
- . . . . . IGNEOUS ROCKS
- . . . . . ANORTHOSITE
- . . . . . BASALT
- . . . . . DIORITE
- . . . . . DUNITE
- . . . . . ECLOGITE
- . . . . . FELSITE
- . . . . . GABBRO
- . . . . . GRANITE
- . . . . . OBSIDIAN
- . . . . . MOLDAVITE
- . . . . . PERIDOTITE
- . . . . . PUMICE
- . . . . . RHYOLITE
- . . . . . SYENITE
- . . . . . TRACHYTE
- . . . . . LUNAR ROCKS
- . . . . . KREEP
- . . . . . METAMORPHIC ROCKS
- . . . . . QUARTZITE
- . . . . . REGOLITH
- . . . . . SCHIST
- . . . . . SEDIMENTARY ROCKS
- . . . . . CARBONACEOUS ROCKS
- . . . . . COAL
- . . . . . ANTHRACITE
- . . . . . LIGNITE
- . . . . . LIMESTONE
- . . . . . SANDSTONES
- . . . . . SHALES
- . . . . . SHATTER CONES
- RT AGGREGATES

### ROCKS-(CONT.)

- BAUXITE
- BOREHOLES
- CLAYS
- CONTACTS (GEOLOGY)
- CROSSBEDDING (GEOLOGY)
- DIRT
- DOLOMITE (MINERAL)
- EARTH RESOURCES
- EFFUSIVES
- ENSTATITE
- FOLDS (GEOLOGY)
- FORMATIONS
- GEOLOGY
- GYPNUM
- INLIERS (LANDFORMS)
- KARST
- LANDSLIDES
- LATERITES
- LAVA
- LEDGES
- LITHOLOGY
- MAGMA
- METAMORPHISM (GEOLOGY)
- MINERALS
- NUNATAKS
- OLIVINE
- OUTLIERS (LANDFORMS)
- PALEOMAGNETISM
- PETROGRAPHY
- PETROLOGY
- PYROXENES
- QUARTZ
- REEFS
- ROCK INTRUSIONS
- ROCK MECHANICS
- SERPENTINE
- SOILS
- STRATIGRAPHY
- TUNNELING (EXCAVATION)

### ROCKWELL HARDNESS

- GS MECHANICAL PROPERTIES
- . HARDNESS
- . . . **ROCKWELL HARDNESS**
- RT MICROHARDNESS

### ROCKY MOUNTAINS (NORTH AMERICA)

- GS LANDFORMS
- . MOUNTAINS
- . . . **ROCKY MOUNTAINS (NORTH AMERICA)**
- RT CANADA
- UNITED STATES

### RODENTS

- GS ANIMALS
- . VERTEBRATES
- . . . MAMMALS
- . . . . **RODENTS**
- . . . . . GUINEA PIGS
- . . . . . HAMSTERS
- . . . . . MICE
- . . . . . JERBOAS
- . . . . . POCKET MICE
- . . . . . RABBITS
- . . . . . RATS
- . . . . . SQUIRRELS
- . . . . . GROUND SQUIRRELS

### RODS

- GS **RODS**
- . CONTROL RODS
- RT BARS
- BILLETS
- DIRECTORS (ANTENNA ELEMENTS)
- STRUCTURAL MEMBERS
- WIRE

### ROENTGEN SATELLITE

- USE ROSAT MISSION

### ROGALLO WINGS

- USE FLEXIBLE WINGS
- FOLDING STRUCTURES

### ROLL

- UF DAMPING IN ROLL
- GS ATTITUDE (INCLINATION)
- . **ROLL**
- RT LATERAL CONTROL
- LATERAL OSCILLATION
- LATERAL STABILITY
- PITCH (INCLINATION)
- ROLLERS

### ROLL-(CONT.)

- ∞ ROLLING
- . ROLLING MOMENTS
- . ROTATION
- . SIDESLIP
- . TURNING FLIGHT
- . YAW

### ROLL CONTROL

- USE LATERAL CONTROL

### ROLL FORMING

- GS FORMING TECHNIQUES
- . **ROLL FORMING**
- RT COLD WORKING
- METAL WORKING

### ROLLER BEARINGS

- GS BEARINGS
- . ANTI-FRICTION BEARINGS
- . . . **ROLLER BEARINGS**
- RT BALL BEARINGS
- NEEDLE BEARINGS
- THRUST BEARINGS

### ROLLERS

- RT CONVEYORS
- CYLINDRICAL BODIES
- DISPENSERS
- DISTRIBUTORS
- IDLERS
- PLATENS
- PULLEYS
- ROLL
- TIRES
- VEHICLE WHEELS
- WHEELS

### ∞ ROLLING

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT AUSFORMING
- FLATTENING
- FORGING
- LEVELING
- METAL WORKING
- ROLL

### ROLLING CONTACT LOADS

- GS LOADS (FORCES)
- . DYNAMIC LOADS
- . . . CONTACT LOADS
- . . . . **ROLLING CONTACT LOADS**
- RT ANTI-FRICTION BEARINGS
- STRESSES
- STRUCTURAL DESIGN CRITERIA

### ROLLING MOMENTS

- GS MOMENTS
- . STABILITY DERIVATIVES
- . . . **ROLLING MOMENTS**
- RT AERODYNAMIC COEFFICIENTS
- LATERAL STABILITY
- MOMENTS OF INERTIA
- PITCHING MOMENTS
- ROLL
- TORQUE
- YAWING MOMENTS

### ROLLUP SOLAR ARRAYS

- USE SOLAR ARRAYS

### ROM DEVICES

- USE READ-ONLY MEMORY DEVICES

### ROMANIA

- UF RUMANIA
- GS NATIONS
- . **ROMANIA**
- RT BLACK SEA
- CENTRAL EUROPE
- EUROPE

### RONCHI TEST

- GS INTERFEROMETRY
- . **RONCHI TEST**
- RT ELECTROMAGNETIC RADIATION
- ETALONS
- GRATINGS (SPECTRA)
- INTERFEROMETERS
- MEASURING INSTRUMENTS
- OPTICAL MEASUREMENT

## ROTATING BODIES

### ROOFS

RT BUILDINGS  
SHEATHS

### ROOM TEMPERATURE

GS TEMPERATURE  
. ROOM TEMPERATURE  
RT AMBIENT TEMPERATURE  
OPERATING TEMPERATURE

### ROOMS

GS ROOMS  
. CLEAN ROOMS  
. DARKROOMS  
RT COMPARTMENTS  
ENCLOSURES  
∞ LOUNGES

### ROOT-MEAN-SQUARE ERRORS

GS ERRORS  
. ROOT-MEAN-SQUARE ERRORS  
RT ERROR ANALYSIS  
STATISTICAL ANALYSIS

### ∞ ROOTS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT PLANT ROOTS  
RADICALS  
ROOTS OF EQUATIONS  
WING ROOTS

### ROOTS OF EQUATIONS

UF ZERO CROSSINGS  
RT EIGENVALUES  
∞ EQUATIONS  
EXISTENCE THEOREMS  
MATRICES (MATHEMATICS)  
NEWTON METHODS  
NONLINEAR EQUATIONS  
POLYNOMIALS  
∞ ROOTS

### RORSCHACH TESTS

GS PSYCHOLOGICAL TESTS  
. RORSCHACH TESTS  
RT MENTAL HEALTH  
PSYCHOLOGY  
∞ TESTS

### ROSAT MISSION

UF ROENTGEN SATELLITE  
GS ARTIFICIAL SATELLITES  
. ROSAT MISSION  
OBSERVATORIES  
. ASTRONOMICAL OBSERVATORIES  
. ROSAT MISSION  
RT ASTRONOMICAL SATELLITES  
INTERNATIONAL COOPERATION  
SPACEBORNE ASTRONOMY  
SPACEBORNE TELESCOPES  
X RAY ASTRONOMY  
X RAY SOURCES  
X RAY TELESCOPES

### ROSETTE SHAPES

GS SHAPES  
. ROSETTE SHAPES  
RT ANTENNA RADIATION PATTERNS  
CRYSTALLITES  
SPHERULITES  
STRAIN GAGES

### ROSHKO PREDICTION

GS PREDICTIONS  
. ROSHKO PREDICTION  
RT BLUFF BODIES  
LAMINAR FLOW  
OSEN APPROXIMATION  
THREE DIMENSIONAL FLOW

### ROSIN

GS GUMS (SUBSTANCES)  
. ROSIN  
RT ORGANIC MATERIALS

### ROSS ICE SHELF

GS REGIONS  
. POLAR REGIONS  
. ANTARCTIC REGIONS  
. ROSS ICE SHELF  
SOUTHERN HEMISPHERE  
. ANTARCTIC REGIONS

### ROSS ICE SHELF-(CONT.)

. ROSS ICE SHELF  
RT MCMURDO SOUND

### ROSSBY REGIMES

RT BAROTROPIC FLOW  
PLANETARY WAVES

### ROSSBY WAVES

USE PLANETARY WAVES

### ROTARY DRIVES

USE MECHANICAL DRIVES

### ROTARY ENGINES

GS ENGINES  
. INTERNAL COMBUSTION ENGINES  
. ROTARY ENGINES  
. WANKEL ENGINES  
RT AIRCRAFT ENGINES  
AUTOMOBILE ENGINES  
PISTON ENGINES

### ROTARY GYROSCOPES

GS GYROSCOPES  
. ROTARY GYROSCOPES  
. FLUID ROTOR GYROSCOPES  
RT GYROSCOPE FLUIDS  
GYROSCOPIC STABILITY  
ROTATING BODIES

### ROTARY STABILITY

UF WHIRL INSTABILITY  
GS DYNAMIC CHARACTERISTICS  
. DYNAMIC STABILITY  
. MOTION STABILITY  
. ROTARY STABILITY  
. GYROSCOPIC STABILITY  
STABILITY  
. DYNAMIC STABILITY  
. MOTION STABILITY  
. ROTARY STABILITY  
. GYROSCOPIC STABILITY  
RT AIRFOIL OSCILLATIONS  
DIRECTIONAL STABILITY  
FLOW STABILITY  
LATERAL STABILITY  
LONGITUDINAL STABILITY  
ROTATING BODIES  
ROTATION

### ROTARY WING AIRCRAFT

UF ROTORCRAFT  
GS V/STOL AIRCRAFT  
. ROTARY WING AIRCRAFT  
. AUTOGYROS  
. AVIAN 2/180 AUTOGIRO  
. HELICOPTERS  
. ALOUETTE HELICOPTERS  
. SA-330 HELICOPTER  
. SE-3180 HELICOPTER  
. BELL 214A HELICOPTER  
. BO-105 HELICOPTER  
. CH-21 HELICOPTER  
. COMPOUND HELICOPTERS  
. H-17 HELICOPTER  
. H-54 HELICOPTER  
. HC-3 HELICOPTER  
. MILITARY HELICOPTERS  
. AH-1G HELICOPTER  
. AH-64 HELICOPTER  
. CH-3 HELICOPTER  
. CH-34 HELICOPTER  
. CH-46 HELICOPTER  
. CH-47 HELICOPTER  
. CH-54 HELICOPTER  
. H-19 HELICOPTER  
. H-43 HELICOPTER  
. H-53 HELICOPTER  
. H-56 HELICOPTER  
. H-60 HELICOPTER  
. HEAVY LIFT HELICOPTERS  
. CH-62 HELICOPTER  
. HH-43 HELICOPTER  
. OH-4 HELICOPTER  
. OH-5 HELICOPTER  
. OH-6 HELICOPTER  
. OH-13 HELICOPTER  
. OH-23 HELICOPTER  
. OH-58 HELICOPTER  
. QH-50 HELICOPTER  
. S-58 HELICOPTER  
. S-61 HELICOPTER  
. SA-330 HELICOPTER  
. UH-1 HELICOPTER

### ROTARY WING AIRCRAFT-(CONT.)

. UH-2 HELICOPTER  
. UH-34 HELICOPTER  
. UH-60A HELICOPTER  
. UH-61A HELICOPTER  
. P-531 HELICOPTER  
. RIGID ROTOR HELICOPTERS  
. CH-3 HELICOPTER  
. F-28 HELICOPTER  
. XH-51 HELICOPTER  
. SA-321 HELICOPTER  
. SH-3 HELICOPTER  
. SH-4 HELICOPTER  
. SIKORSKY WHIRLWIND HELICOPTER  
. TANDEM ROTOR HELICOPTERS  
. CH-46 HELICOPTER  
. CH-47 HELICOPTER  
. H-25 HELICOPTER  
. TH-55 HELICOPTER  
. WESTLAND WHIRLWIND  
HELICOPTER  
. XV-9A AIRCRAFT  
. ROTOR SYSTEMS RESEARCH  
AIRCRAFT  
. TILT ROTOR AIRCRAFT  
. XV-15 AIRCRAFT  
RT ∞ AIRCRAFT  
AUTOROTATION  
COMMERCIAL AIRCRAFT  
LIFTING ROTORS  
∞ MILITARY AIRCRAFT  
PASSENGER AIRCRAFT  
SHORT TAKEOFF AIRCRAFT  
∞ SUBSONIC AIRCRAFT  
TRANSPORT AIRCRAFT  
VERTICAL TAKEOFF AIRCRAFT  
WESER AIRCRAFT  
WESTLAND AIRCRAFT

### ROTARY WINGS

UF HELICOPTER ROTORS  
HINGED ROTOR BLADES  
GS AIRFOILS  
. WINGS  
. ROTARY WINGS  
. CIRCULATION CONTROL ROTORS  
. LIFTING ROTORS  
. BEARINGLESS ROTORS  
. RIGID ROTORS  
. TILTING ROTORS  
. TIP DRIVEN ROTORS  
. X WING ROTORS  
ROTATING BODIES  
. ROTORS  
. ROTARY WINGS  
. CIRCULATION CONTROL ROTORS  
. LIFTING ROTORS  
. BEARINGLESS ROTORS  
. RIGID ROTORS  
. TILTING ROTORS  
. TIP DRIVEN ROTORS  
. X WING ROTORS  
RT BLADE TIPS  
BLADE-VORTEX INTERACTION  
∞ BLADES  
CONVERTIBLE FAN-SHAFT ENGINES  
FAN BLADES  
FLAPPING HINGES  
FOLDING STRUCTURES  
GROUND RESONANCE  
HARMONIC CONTROL  
HELICOPTER PROPELLER DRIVE  
HELICOPTER TAIL ROTORS  
LIFT FANS  
PROPELLER BLADES  
∞ ROTOR BLADES  
TAIL ROTORS  
TILT ROTOR RESEARCH AIRCRAFT  
PROGRAM  
WHIRL TOWERS

### ROTATING

USE ROTATION

### ROTATING BODIES

UF ROTATING VEHICLES  
SOLID ROTATION  
GS ROTATING BODIES  
. LUNAR ROTATION  
. ROTATING CYLINDERS  
. ROTATING DISKS  
. ROTATING SPHERES  
. ROTORS  
. COMPRESSOR ROTORS  
. FLYWHEELS

## ROTATING CYLINDERS

### ROTATING BODIES-(CONT.)

- ... IMPELLERS
- ... PUMP IMPELLERS
- ... ROTARY WINGS
- ... CIRCULATION CONTROL ROTORS
- ... LIFTING ROTORS
- ... BEARINGLESS ROTORS
- ... RIGID ROTORS
- ... TILTING ROTORS
- ... TIP DRIVEN ROTORS
- ... X WING ROTORS
- ... TAIL ROTORS
- ... HELICOPTER TAIL ROTORS
- ... TIP VANES
- ... TURBINE WHEELS
- RT AXES OF ROTATION
- ∞ BODIES
- PLANETARY ROTATION
- ROCHE LIMIT
- ROTARY GYROSCOPES
- ROTATION STABILITY
- ROTATION
- SPINNING UNGUIDED ROCKET
- TRAJECTORY

### ROTATING CYLINDERS

- GS ROTATING BODIES
- ... ROTATING CYLINDERS
- SYMMETRICAL BODIES
- ... BODIES OF REVOLUTION
- ... CYLINDRICAL BODIES
- ... ROTATING CYLINDERS
- RT COUETTE FLOW
- ∞ CYLINDERS
- CYLINDRICAL SHELLS
- ELASTOHYDRODYNAMICS
- MAGNUS EFFECT
- SHAFTS (MACHINE ELEMENTS)
- VISCOMETERS
- VISCOMETRY

### ROTATING DISKS

- GS DISKS (SHAPES)
- ... ROTATING DISKS
- ROTATING BODIES
- ... ROTATING DISKS
- RT ACCRETION DISKS
- COUNTER ROTATION
- KARMAN-BODEWADT FLOW

### ∞ ROTATING ELECTRICAL MACHINES

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT ARMATURES
- COMMUTATORS
- ELECTRIC HYBRID VEHICLES
- ELECTRIC MOTORS
- INDUCTION MOTORS
- ∞ MACHINERY
- ROTATING GENERATORS
- ROTORS
- SERVOMOTORS
- STATORS

### ROTATING ENVIRONMENTS

- GS ENVIRONMENTS
- ... ROTATING ENVIRONMENTS
- RT ARTIFICIAL GRAVITY
- BARANY CHAIR
- CORIOLIS EFFECT
- HIGH GRAVITY ENVIRONMENTS
- LANGLEY COMPLEX COORDINATOR
- SPACECRAFT ENVIRONMENTS
- TUMBLING MOTION

### ROTATING FLUIDS

- GS ROTATING FLUIDS
- ... ROTATING LIQUIDS
- RT COUNTER ROTATION
- ∞ FLUIDS
- GOERTLER INSTABILITY
- KARMAN-BODEWADT FLOW
- LIQUID SLOSHING
- PLANETARY WAVES
- SUPERROTATION
- TAYLOR INSTABILITY
- TRAPPED VORTEXES
- TURBULENT FLOW
- VORTEX SHEETS
- VORTICES
- WING TIP VORTICES

### ROTATING GENERATORS

- UF DYNAMOS

### ROTATING GENERATORS-(CONT.)

- GS ELECTRIC GENERATORS
- ... ROTATING GENERATORS
- ... AC GENERATORS
- ... STATIC ALTERNATORS
- ... AMPLIDYNES
- ... DYNAMOMETERS
- ... HOMOPOLAR GENERATORS
- ... TURBOGENERATORS
- ... ASTEC SOLAR TURBOELECTRIC GENERATOR
- RT COMMUTATORS
- ELECTROSTATIC GENERATORS
- ∞ GENERATORS
- ∞ ROTATING ELECTRICAL MACHINES
- TURBINES
- TURBOMACHINERY

### ROTATING LIQUIDS

- UF LIQUID ROTATION
- GS LIQUIDS
- ... ROTATING LIQUIDS
- ROTATING FLUIDS
- ... ROTATING LIQUIDS
- RT GOERTLER INSTABILITY
- PLANETARY WAVES
- ROTATION
- TRAPPED VORTEXES
- VORTICES

### ROTATING MATTER

- RT DEGENERATE MATTER
- MATTER (PHYSICS)
- ROTATION
- SPIN DYNAMICS

### ROTATING MIRRORS

- GS MIRRORS
- ... ROTATING MIRRORS
- RT FRAMING CAMERAS
- HIGH SPEED CAMERAS

### ROTATING PLASMAS

- GS PARTICLES
- ... CHARGED PARTICLES
- ... ENERGETIC PARTICLES
- ... PLASMAS (PHYSICS)
- ... ROTATING PLASMAS
- RT DRIFT RATE
- NONEQUILIBRIUM PLASMAS
- PLASMA FLUX MEASUREMENT
- THETA PINCH
- TOROIDAL PLASMAS
- TWO FLUID MODELS
- ZETA PINCH

### ROTATING SHAFTS

- GS SHAFTS (MACHINE ELEMENTS)
- ... ROTATING SHAFTS
- ... TURBOSHAFTS

### ROTATING SPHERES

- GS ROTATING BODIES
- ... ROTATING SPHERES
- SYMMETRICAL BODIES
- ... BODIES OF REVOLUTION
- ... SPHERES
- ... ROTATING SPHERES
- RT EQUATORS
- SPHERICAL SHELLS

### ROTATING STALLS

- RT BOUNDARY LAYER SEPARATION
- COMPRESSOR BLADES
- ∞ ROTOR BLADES
- TURBOCOMPRESSORS

### ROTATING VEHICLES

- USE ROTATING BODIES
- VEHICLES

### ROTATION

- UF ROTATING
- WHIRL
- WHIRLING
- GS GYRATION
- ... ROTATION
- ... AUTOROTATION
- ... COROTATION
- ... COUNTER ROTATION
- ... EARTH ROTATION
- ... MOLECULAR ROTATION
- ... MUON SPIN ROTATION
- ... PLANETARY ROTATION

### ROTATION-(CONT.)

- ... SATELLITE ROTATION
- ... STELLAR ROTATION
- ... SOLAR ROTATION
- RT ANGULAR ACCELERATION
- ANGULAR VELOCITY
- AXES OF ROTATION
- CIRCULATION
- CORIOLIS EFFECT
- CROSS POLARIZATION
- FARADAY EFFECT
- IMAGE ROTATION
- LIBRATION
- ∞ MOTION
- NUTATION
- PITCH (INCLINATION)
- POLARIZATION (SPIN ALIGNMENT)
- POLARIZATION (WAVES)
- PRECESSION
- REVOLVING
- ROLL
- ROTARY STABILITY
- ROTATING BODIES
- ROTATING LIQUIDS
- ROTATING MATTER
- ROTONS
- TORQUE
- VORTEX AVOIDANCE
- VORTICES
- YAW

### ROTATIONAL FLOW

- USE FLUID FLOW
- VORTICES

### ROTIFERA

- GS ANIMALS
- ... INVERTEBRATES
- ... ROTIFERA
- MICROORGANISMS
- ... ROTIFERA
- RT WORMS

### ROTOCHUTES

- GS PARACHUTES
- ... ROTOCHUTES
- RT AUTOROTATION

### ROTONS

- GS FLUID MECHANICS
- ... FLUID DYNAMICS
- ... ROTONS
- RT ACTIVATION ENERGY
- EXCITATION
- PHOTONS
- ROTATION

### ROTOR AERODYNAMICS

- GS FLUID MECHANICS
- ... FLUID DYNAMICS
- ... GAS DYNAMICS
- ... AERODYNAMICS
- ... ROTOR AERODYNAMICS
- RT FLAPPING
- FLAPPING HINGES
- GROUND RESONANCE
- ROTOR BODY INTERACTIONS
- ROTORS
- WHIRL TOWERS

### ∞ ROTOR BLADES

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT HELICOPTER TAIL ROTORS
- ROTARY WINGS
- ROTATING STALLS
- ROTOR BLADES (TURBOMACHINERY)
- TAIL ROTORS
- X WING ROTORS

### ROTOR BLADES (TURBOMACHINERY)

- UF IMPELLER BLADES
- GS TURBOMACHINE BLADES
- ... ROTOR BLADES (TURBOMACHINERY)
- RT AIRFOILS
- BLADE TIPS
- ∞ BLADES
- COMPRESSOR BLADES
- COMPRESSOR ROTORS
- IMPELLERS
- ∞ ROTOR BLADES
- ROTORS
- STATOR BLADES
- TURBINE BLADES

## RUBIDIUM ISOTOPES

### ROTOR BODY INTERACTIONS

RT AERODYNAMIC CHARACTERISTICS  
AERODYNAMIC CONFIGURATIONS  
HELICOPTER DESIGN  
ROTOR AERODYNAMICS

### ROTOR DISKS

USE TURBINE WHEELS

### ROTOR HUBS

USE HUBS  
ROTORS

### ROTOR LIFT

GS AERODYNAMIC CHARACTERISTICS  
. LIFT  
. . . **ROTOR LIFT**  
AERODYNAMIC FORCES  
. LIFT  
. . . **ROTOR LIFT**  
DYNAMIC CHARACTERISTICS  
. LIFT  
. . . **ROTOR LIFT**  
RT DISTRIBUTION (PROPERTY)

### ROTOR SPEED

GS RATES (PER TIME)  
. **ROTOR SPEED**  
VELOCITY  
. **ROTOR SPEED**  
RT ANGULAR VELOCITY  
HIGH SPEED  
LABYRINTH SEALS  
TIP SPEED

### ROTOR SYSTEMS RESEARCH AIRCRAFT

GS RESEARCH AIRCRAFT  
. **ROTOR SYSTEMS RESEARCH AIRCRAFT**  
V/STOL AIRCRAFT  
. ROTARY WING AIRCRAFT  
. . . **ROTOR SYSTEMS RESEARCH AIRCRAFT**  
RT ∞ AIRCRAFT  
AIRCRAFT DESIGN  
HELICOPTERS  
NASA PROGRAMS  
∞ SYSTEMS

### ROTORCRAFT

USE ROTARY WING AIRCRAFT

### ROTORCRAFT AIRCRAFT

RT ∞ AIRCRAFT

### ROTORS

UF ROTOR HUBS  
GS ROTATING BODIES  
. **ROTORS**  
. . . COMPRESSOR ROTORS  
. . . FLYWHEELS  
. . . IMPELLERS  
. . . PUMP IMPELLERS  
. . . ROTARY WINGS  
. . . CIRCULATION CONTROL ROTORS  
. . . LIFTING ROTORS  
. . . BEARINGLESS ROTORS  
. . . RIGID ROTORS  
. . . TILTING ROTORS  
. . . TIP DRIVEN ROTORS  
. . . X WING ROTORS  
. . . TAIL ROTORS  
. . . HELICOPTER TAIL ROTORS  
. . . TIP VANES  
. . . TURBINE WHEELS  
RT AIRFOILS  
ARMATURES  
CENTRIFUGAL COMPRESSORS  
HEAVY LIFT AIRSHIPS  
∞ ROTATING ELECTRICAL MACHINES  
ROTOR AERODYNAMICS  
ROTOR BLADES (TURBOMACHINERY)  
STATORS  
TURBINES  
TURBOCOMPRESSORS  
TURBOMACHINE BLADES  
TURBOSHAPTS  
WHEELS  
WINGS

### ROUGHNESS

GS **ROUGHNESS**  
. SEA ROUGHNESS  
. SURFACE ROUGHNESS

### ROUGHNESS-(CONT.)

RT COARSENESS  
CONTOURS  
FLATNESS  
MECHANICAL PROPERTIES  
MOTION STABILITY  
PROFILOMETERS  
SMOOTHING  
SURFACE PROPERTIES

### ROUND TRIP TRAJECTORIES

GS TRAJECTORIES  
. **ROUND TRIP TRAJECTORIES**  
. . . CIRCULUNAR TRAJECTORIES  
RT EARTH-MOON TRAJECTORIES  
INTERORBITAL TRAJECTORIES  
INTERPLANETARY FLIGHT  
INTERPLANETARY TRAJECTORIES  
MOON-EARTH TRAJECTORIES  
ORBITAL MECHANICS  
SPACECRAFT TRAJECTORIES  
SWINGBY TECHNIQUE

### ROUSE BELTS

RT ∞ BELTS  
CONES (VOLCANOES)  
EARTHQUAKES  
GEOLOGICAL FAULTS  
MARS VOLCANOES  
SEISMOLOGY  
TREMORS  
VOLCANOES  
VOLCANOLOGY

### ROUTES

RT AIR TRAFFIC CONTROL  
FLIGHT PLANS  
∞ PATHS  
SITE SELECTION  
TRANSPORTATION

### ∞ ROUTINES

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
RT COMPUTER PROGRAMS  
COMPUTER SYSTEMS PROGRAMS  
DATA CONVERSION ROUTINES  
INPUT/OUTPUT ROUTINES  
MERGING ROUTINES  
OPERATING SYSTEMS (COMPUTERS)  
USER MANUALS (COMPUTER PROGRAMS)

### ROVER PROJECT

GS PROGRAMS  
. NASA PROGRAMS  
. . . NASA SPACE PROGRAMS  
. . . **ROVER PROJECT**  
. . . PROJECTS  
. . . **ROVER PROJECT**  
. . . SPACE PROGRAMS  
. . . NASA SPACE PROGRAMS  
. . . **ROVER PROJECT**  
RT KIWI REACTORS  
NUCLEAR ENGINE FOR ROCKET VEHICLES  
NUCLEAR PROPULSION  
NUCLEAR REACTORS  
RIFT (REACTOR IN FLIGHT TEST)  
ROCKET ENGINE DESIGN  
SPACECRAFT PROPULSION

### ROVING VEHICLES

UF EXTRATERRESTRIAL ROVING VEHICLES  
GS SURFACE VEHICLES  
. **ROVING VEHICLES**  
. . . LUNAR ROVING VEHICLES  
. . . LUNOKHOD LUNAR ROVING VEHICLES  
RT PLANETARY LANDING  
PLANETARY SURFACES  
RESEARCH VEHICLES  
TOROIDAL WHEELS  
∞ VEHICLES

### ∞ ROVINGS

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
RT COMPOSITE MATERIALS  
PROVING  
WEBS (SHEETS)  
YARNS

### ROWLAND CIRCLES

RT GRATINGS (SPECTRA)  
OPTICAL FILTERS

### RP-1 ROCKET PROPELLANTS

GS PROPELLANTS  
. ROCKET PROPELLANTS  
. . . LIQUID ROCKET PROPELLANTS  
. . . **RP-1 ROCKET PROPELLANTS**  
RT JP-4 JET FUEL  
KEROSENE

### RPV

USE REMOTELY PILOTED VEHICLES

### RTV-40 RUBBER (TRADEMARK)

GS RUBBER  
. SILICONE RUBBER  
. . . **RTV-40 RUBBER (TRADEMARK)**  
. . . SYNTHETIC RUBBERS  
. . . **RTV-40 RUBBER (TRADEMARK)**

### RTV-60 RUBBER (TRADEMARK)

GS RUBBER  
. SILICONE RUBBER  
. . . **RTV-60 RUBBER (TRADEMARK)**  
. . . SYNTHETIC RUBBERS  
. . . **RTV-60 RUBBER (TRADEMARK)**

### RUANDA-URUNDI

USE BURUNDI  
RWANDA

### RUBBER

GS **RUBBER**  
. LATEX  
. SILICONE RUBBER  
. . . RTV-40 RUBBER (TRADEMARK)  
. . . RTV-60 RUBBER (TRADEMARK)  
. . . SYNTHETIC RUBBERS  
. . . ADIPRENE (TRADEMARK)  
. . . BUNA (TRADEMARK)  
. . . ELASTOMERS  
. . . CHLOROPRENE RESINS  
. . . THIOPLASTICS  
. . . VITON RUBBER (TRADEMARK)  
. . . VULCANIZED ELASTOMERS  
. . . RTV-40 RUBBER (TRADEMARK)  
. . . RTV-60 RUBBER (TRADEMARK)  
RT GUAYULE  
GUMS (SUBSTANCES)  
ORGANIC MATERIALS  
POLYISOPRENES

### RUBBER COATINGS

GS COATINGS  
. **RUBBER COATINGS**  
RT PAINTS  
PROTECTIVE COATINGS

### RUBIDIUM

GS CHEMICAL ELEMENTS  
. ALKALI METALS  
. . . **RUBIDIUM**  
. . . RUBIDIUM ISOTOPES  
. . . RUBIDIUM 86  
METALS  
. ALKALI METALS  
. . . **RUBIDIUM**  
. . . RUBIDIUM ISOTOPES  
. . . RUBIDIUM 86

### RUBIDIUM COMPOUNDS

RT ∞ ALKALI METAL COMPOUNDS  
∞ CHEMICAL COMPOUNDS  
∞ METAL COMPOUNDS

### RUBIDIUM ISOTOPES

GS CHEMICAL ELEMENTS  
. ALKALI METALS  
. . . RUBIDIUM  
. . . **RUBIDIUM ISOTOPES**  
. . . RUBIDIUM 86  
. . . NUCLIDES  
. . . ISOTOPES  
. . . **RUBIDIUM ISOTOPES**  
. . . RUBIDIUM 86  
METALS  
. ALKALI METALS  
. . . RUBIDIUM  
. . . **RUBIDIUM ISOTOPES**  
. . . RUBIDIUM 86



## RUBIDIUM 86

### RUBIDIUM 86

- GS CHEMICAL ELEMENTS
  - . ALKALI METALS
  - . RUBIDIUM
  - . RUBIDIUM ISOTOPES
  - . RUBIDIUM 86
  - . NUCLIDES
  - . ISOTOPES
  - . RADIOACTIVE ISOTOPES
  - . RUBIDIUM 86
  - . RUBIDIUM ISOTOPES
  - . RUBIDIUM 86
- METALS
  - . ALKALI METALS
  - . RUBIDIUM
  - . RUBIDIUM ISOTOPES
  - . RUBIDIUM 86

### RUBIS ROCKET VEHICLE

- GS ROCKET VEHICLES
  - . MULTISTAGE ROCKET VEHICLES
  - . RUBIS ROCKET VEHICLE
- RT SOLID PROPELLANT ROCKET ENGINES

### RUBY

- RT ALUMINUM OXIDES
- CRYSTALS

### RUBY LASERS

- GS ELECTRONIC EQUIPMENT
  - . SOLID STATE DEVICES
  - . SOLID STATE LASERS
  - . RUBY LASERS
- STIMULATED EMISSION DEVICES
  - . LASERS
  - . SOLID STATE LASERS
  - . RUBY LASERS
- RT PULSED LASERS
  - . Q SWITCHED LASERS
  - . VERNEUIL PROCESS

### RUDDERS

- GS CONTROL SURFACES
  - . RUDDERS
  - . AERIAL RUDDERS
  - . MARINE RUDDERS
- RT AIRFOILS
  - . FINS
  - . PINTLES
  - . STABILIZERS (FLUID DYNAMICS)
  - . SWEPTBACK TAIL SURFACES
  - . TABS (CONTROL SURFACES)
  - . TAIL ASSEMBLIES
  - . TAIL SURFACES
  - . TRAPEZOIDAL TAIL SURFACES

### RUGGEDNESS

- RT DURABILITY
  - ∞ HIGH RESISTANCE
  - . MECHANICAL PROPERTIES
  - . PHYSIOLOGY
  - ∞ RIGIDITY

### RULER METHOD

- RT ∞ METHODOLOGY

### RULES

- GS RULES
  - . FLIGHT RULES
  - . INSTRUMENT FLIGHT RULES
  - . VISUAL FLIGHT RULES
  - . PALMGREN-MINER RULE
  - . PHASE RULE
  - . SELECTION RULES (NUCLEAR PHYSICS)
  - . SUM RULES
  - . WHITHAM RULE
- RT LAWS
  - . PATENT POLICY
  - . POLICIES
  - . PROCUREMENT POLICY
  - . REGULATIONS
  - . SEA LAW

### RUMANIA

- USE ROMANIA

### RUN TIME (COMPUTERS)

- RT COMPUTER PROGRAMMING
  - . COMPUTERS
  - . TIME SHARING

### RUNGE-KUTTA METHOD

- GS ANALYSIS (MATHEMATICS)

### RUNGE-KUTTA METHOD-(CONT.)

- . NUMERICAL ANALYSIS
- . NUMERICAL INTEGRATION
- . RUNGE-KUTTA METHOD
- . REAL VARIABLES
- . MEASURE AND INTEGRATION
- . NUMERICAL INTEGRATION
- . RUNGE-KUTTA METHOD
- RT ∞ METHODOLOGY

### RUNNING

- RT ∞ OPERATIONS
- PHYSICAL EXERCISE

### RUNOFFS

- USE DRAINAGE

### RUNWAY ALIGNMENT

- SN (ALIGNMENT WITH RUNWAYS--NOT ALIGNMENT OF RUNWAYS)
- RT AIRCRAFT LANDING
  - . TAKEOFF RUNS

### RUNWAY CONDITIONS

- GS CONDITIONS
  - . RUNWAY CONDITIONS
- RT AVIATION METEOROLOGY
  - . ICE
  - . RUNWAYS
  - . SLUSH
  - . SURFACE ROUGHNESS
  - . WATER
  - . WEATHER

### RUNWAY LIGHTS

- GS LANDING AIDS
  - . AIRPORT LIGHTS
  - . RUNWAY LIGHTS
- LIGHTING EQUIPMENT
  - . LUMINAIRES
  - . AIRPORT LIGHTS
  - . RUNWAY LIGHTS
- RT APPROACH CONTROL
  - ∞ FLARES
  - ∞ MARKERS
  - . RUNWAYS
  - . SEARCHLIGHTS
  - . VISUAL CONTROL

### RUNWAYS

- RT AIRFIELD SURFACE MOVEMENTS
  - . AIRPORTS
  - . LANDING
  - . LANDING AIDS
  - . LANDING MATS
  - . LANDING SITES
  - . PAVEMENTS
  - . RUNWAY CONDITIONS
  - . RUNWAY LIGHTS
  - ∞ STRIP
  - . TAKEOFF
  - . TAXIING

### RUPTURING

- RT ∞ BLISTERS
  - . BURSTS
  - . CRACKING (FRACTURING)
  - . DISRUPTING
  - . FAILURE
  - . FRACTURE MECHANICS
  - . METAL FATIGUE
  - . SELF SEALING
  - . STRUCTURAL STRAIN
  - . TEARING

### RURAL AREAS

- RT AGRICULTURE
  - . FARMLANDS
  - . GRASSLANDS
  - . LAND
  - . MEGALOPOLISES
  - . RANGELANDS
  - . REGIONAL PLANNING
  - . RESIDENTIAL AREAS
  - . SUBURBAN AREAS
  - . WILDERNESS

### RURAL LAND USE

- GS LAND USE
  - . RURAL LAND USE
- RT AGRICULTURE
  - . CONSERVATION
  - ∞ DEVELOPMENT
  - . EARTH RESOURCES

### RURAL LAND USE-(CONT.)

- . FARMLANDS
- . GRASSLANDS
- . GRAZING
- . GREAT PLAINS CORRIDOR (NORTH AMERICA)
- . LAND
- . LAND MANAGEMENT
- . ORCHARDS
- . RANGELANDS
- . REGIONAL PLANNING
- . SITES

### RUST FUNGI

- UF RUSTS (BOTANY)
- GS PLANTS (BOTANY)
  - . FUNGI
  - . RUST FUNGI
- RT BLIGHT
  - ∞ MOLD
  - . PARASITIC DISEASES
  - . PLANT DISEASES

### RUSTING

- GS CHEMICAL REACTIONS
  - . OXIDATION
  - . RUSTING
  - . CORROSION
  - . RUSTING
- RT ATMOSPHERIC EFFECTS
  - . CHEMICAL ATTACK
  - . COATINGS
  - . CORROSION RESISTANCE
  - . DEGRADATION
  - . DESENSITIZING
  - . DETERIORATION
  - . HOT CORROSION
  - . METAL-WATER REACTIONS
  - . OXIDATION RESISTANCE
  - . PASSIVITY
  - . SCALE (CORROSION)
  - . WEATHERING

### RUSTS (BOTANY)

- USE RUST FUNGI

### RUTHENIUM

- GS CHEMICAL ELEMENTS
  - . RUTHENIUM
  - . RUTHENIUM ISOTOPES
- METALS
  - . NOBLE METALS
  - . RUTHENIUM
  - . RUTHENIUM ISOTOPES
  - . TRANSITION METALS
  - . RUTHENIUM
  - . RUTHENIUM ISOTOPES

### RUTHENIUM ALLOYS

- GS ALLOYS
  - . RUTHENIUM ALLOYS

### RUTHENIUM COMPOUNDS

- RT ∞ CHEMICAL COMPOUNDS
  - ∞ METAL COMPOUNDS
  - . TRANSITION METALS

### RUTHENIUM ISOTOPES

- UF RUTHENIUM 106
- GS CHEMICAL ELEMENTS
  - . NUCLIDES
  - . ISOTOPES
  - . RUTHENIUM ISOTOPES
  - . RUTHENIUM
  - . RUTHENIUM ISOTOPES
- METALS
  - . NOBLE METALS
  - . RUTHENIUM
  - . RUTHENIUM ISOTOPES
  - . TRANSITION METALS
  - . RUTHENIUM
  - . RUTHENIUM ISOTOPES

### RUTHENIUM 106

- USE RUTHENIUM ISOTOPES

### RUTILE

- GS CHALCOGENIDES
  - . OXIDES
  - . METAL OXIDES
  - . TITANIUM OXIDES
  - . RUTILE
- TITANIUM COMPOUNDS
  - . TITANIUM OXIDES

# SAAB 105 AIRCRAFT

## RUTILE-(CONT.)

RT . . . RUTILE  
ANATASE  
COESITE  
CROSS RELAXATION  
MINERALS  
PIGMENTS  
STISHOVITE

## RWANDA

UF RUANDA-URUNDI  
GS NATIONS  
RT . . . RWANDA  
AFRICA  
BURUNDI

## RYAN AIRCRAFT

UF RYAN MILITARY AIRCRAFT  
GS RYAN AIRCRAFT  
. FIREBEE 2 TARGET DRONE AIRCRAFT  
. X-13 AIRCRAFT  
. XC-142 AIRCRAFT  
. XV-5 AIRCRAFT  
. XV-8A AIRCRAFT  
RT  $\infty$  AIRCRAFT

## RYAN MILITARY AIRCRAFT

USE RYAN AIRCRAFT

## RYDBERG SERIES

GS SPECTRA  
. RADIATION SPECTRA  
. ELECTROMAGNETIC SPECTRA  
. . . LINE SPECTRA  
. . . . RYDBERG SERIES  
RT ABSORPTION SPECTRA  
ATOMIC SPECTRA  
ELECTRON TRANSITIONS  
EMISSION SPECTRA  
H LINES  
HYDROGEN

## R5D AIRCRAFT

USE C-54 AIRCRAFT

## R7V AIRCRAFT

USE C-121 AIRCRAFT  
EC-121 AIRCRAFT

# S

## S BAND

USE SUPERHIGH FREQUENCIES  
ULTRAHIGH FREQUENCIES

## S CURVES

GS GEOMETRY  
. CURVES (GEOMETRY)  
. . . S CURVES  
. . . GOMPERTZ CURVES  
. EUCLIDEAN GEOMETRY  
. ANALYTIC GEOMETRY  
. . . S CURVES  
. . . . GOMPERTZ CURVES

## S GLASS

GS GLASS  
. E GLASS  
. . . S GLASS  
RT COMPOSITE MATERIALS  
GLASS FIBER REINFORCED PLASTICS  
GLASS FIBERS  
SILICON DIOXIDE

## S MATRIX THEORY

UF SCATTERING MATRIX  
RT OPERATORS (MATHEMATICS)  
SCATTERING CROSS SECTIONS  
 $\infty$  THEORIES

## S STARS

GS CELESTIAL BODIES  
. STARS  
. . . LATE STARS  
. . . COOL STARS  
. . . . S STARS  
RT ASYMPTOTIC GIANT BRANCH STARS  
GIANT STARS  
M STARS  
MIRA VARIABLES  
RED GIANT STARS

## S WAVES

UF SECONDARY WAVES  
SHEAR DISTURBANCES  
SHEAR WAVES  
GS ELASTIC WAVES  
. S WAVES  
RT CRUSTAL FRACTURES  
DILATATIONAL WAVES  
P WAVES  
POLARIZED ELASTIC WAVES  
RAYLEIGH WAVES  
SEISMIC WAVES  
SURFACE WAVES  
TRANSVERSE WAVES

## S-A-W DEVICES

USE SURFACE ACOUSTIC WAVE DEVICES

## S-N DIAGRAMS

UF FATIGUE DIAGRAMS  
GS DIAGRAMS  
. S-N DIAGRAMS  
RT BENDING FATIGUE  
CYCLIC LOADS  
FATIGUE (MATERIALS)  
FATIGUE LIFE  
FATIGUE TESTS  
METAL FATIGUE  
STRESS ANALYSIS  
STRESS CYCLES  
STRESS MEASUREMENT  
STRESS RATIO

## S-2 AIRCRAFT

UF SNOW AERIAL APPLICATOR AIRCRAFT  
S-2B  
SNOW S-2 AIRCRAFT  
US-2A AIRCRAFT  
GS MONOPLANES  
. S-2 AIRCRAFT  
SNOW AIRCRAFT  
. S-2 AIRCRAFT  
UTILITY AIRCRAFT  
. S-2 AIRCRAFT  
RT  $\infty$  AIRCRAFT

## S-3 AIRCRAFT

GS ANTISUBMARINE WARFARE AIRCRAFT  
. S-3 AIRCRAFT  
RT  $\infty$  AIRCRAFT  
 $\infty$  MILITARY AIRCRAFT

## S-3 SATELLITE

USE EXPLORER 12 SATELLITE

## S-6 SATELLITE

USE EXPLORER 17 SATELLITE

## S-16 SATELLITE

USE OSO-1

## S-17 SATELLITE

USE OSO-2

## S-18 SATELLITE

USE OAO

## S-27 SATELLITE

USE ALOUETTE 1 SATELLITE

## S-49 SATELLITE

USE OGO-A

## S-50 SATELLITE

USE OGO-C

## S-51 SATELLITE

USE ARIEL 1 SATELLITE

## S-52 SATELLITE

USE ARIEL 2 SATELLITE

## S-57 SATELLITE

USE OSO-C

## S-58 HELICOPTER

UF SIKORSKY S-58 HELICOPTER  
GS SIKORSKY AIRCRAFT  
. S-58 HELICOPTER  
TRANSPORT AIRCRAFT  
. S-58 HELICOPTER  
V/STOL AIRCRAFT  
. ROTARY WING AIRCRAFT

## S-58 HELICOPTER-(CONT.)

. . . HELICOPTERS  
. . . . MILITARY HELICOPTERS  
. . . . S-58 HELICOPTER  
RT CH-34 HELICOPTER  
UH-34 HELICOPTER

## S-61 HELICOPTER

UF SIKORSKY S-61 HELICOPTER  
GS SIKORSKY AIRCRAFT  
. S-61 HELICOPTER  
TRANSPORT AIRCRAFT  
. S-61 HELICOPTER  
V/STOL AIRCRAFT  
. ROTARY WING AIRCRAFT  
. . . HELICOPTERS  
. . . . MILITARY HELICOPTERS  
. . . . S-61 HELICOPTER  
RT ANTISUBMARINE WARFARE AIRCRAFT  
CH-3 HELICOPTER  
SH-3 HELICOPTER  
SH-4 HELICOPTER  
WATER TAKEOFF AND LANDING  
AIRCRAFT

## S-64 HELICOPTER

USE CH-54 HELICOPTER

## S-66 SATELLITE

USE BEACON EXPLORER A

## S-67 HELICOPTER

UF SIKORSKY S-67 HELICOPTER  
GS SIKORSKY AIRCRAFT  
. S-67 HELICOPTER

## S-74 SATELLITE

USE EXPLORER 18 SATELLITE

## SA-321 HELICOPTER

UF SUD AVIATION SA-321 HELICOPTER  
GS SUD AVIATION AIRCRAFT  
. SA-321 HELICOPTER  
V/STOL AIRCRAFT  
. ROTARY WING AIRCRAFT  
. . . HELICOPTERS  
. . . . SA-321 HELICOPTER

## SA-330 HELICOPTER

UF SUD AVIATION SA-330 HELICOPTER  
GS SUD AVIATION AIRCRAFT  
. ALOUETTE HELICOPTERS  
. . . SA-330 HELICOPTER  
TRANSPORT AIRCRAFT  
. SA-330 HELICOPTER  
V/STOL AIRCRAFT  
. ROTARY WING AIRCRAFT  
. . . HELICOPTERS  
. . . . ALOUETTE HELICOPTERS  
. . . . SA-330 HELICOPTER  
. . . . MILITARY HELICOPTERS  
. . . . SA-330 HELICOPTER

## SAAB AIRCRAFT

GS SAAB AIRCRAFT  
. SAAB 37 AIRCRAFT  
. SAAB 105 AIRCRAFT  
RT  $\infty$  AIRCRAFT

## SAAB 37 AIRCRAFT

GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. . . SAAB 37 AIRCRAFT  
JET AIRCRAFT  
. TURBOFAN AIRCRAFT  
. . . SAAB 37 AIRCRAFT  
SAAB AIRCRAFT  
. SAAB 37 AIRCRAFT  
SUPERSONIC AIRCRAFT  
. SAAB 37 AIRCRAFT  
RT  $\infty$  AIRCRAFT  
CANARD CONFIGURATIONS  
HARRIER AIRCRAFT

## SAAB 105 AIRCRAFT

GS JET AIRCRAFT  
. TURBOFAN AIRCRAFT  
. . . SAAB 105 AIRCRAFT  
LIGHT AIRCRAFT  
. SAAB 105 AIRCRAFT  
MONOPLANES  
. SAAB 105 AIRCRAFT  
SAAB AIRCRAFT  
. SAAB 105 AIRCRAFT

## SABATIER REACTION

**SAAB 105 AIRCRAFT-(CONT.)**  
UTILITY AIRCRAFT  
  **SAAB 105 AIRCRAFT**  
RT ∞ AIRCRAFT  
PASSENGER AIRCRAFT

**SABATIER REACTION**  
GS CHEMICAL REACTIONS  
  **SABATIER REACTION**  
RT PHOTOGRAPHIC FILM

**SABOT PROJECTILES**  
GS PROJECTILES  
  **SABOT PROJECTILES**  
RT ARTILLERY  
FRAGMENTATION  
GUN LAUNCHERS  
GUNS (ORDNANCE)

**SABOTAGE**  
RT ACCIDENTS  
AIR DEFENSE  
DAMAGE  
DEACTIVATION  
DISASTERS  
HAZARDS  
INJURIES  
PREVENTION  
SAFETY  
SPACE LAW  
WRECKAGE

**SABRE AIRCRAFT**  
USE F-86 AIRCRAFT

**SABRELINER AIRCRAFT**  
USE T-39 AIRCRAFT

**SACCADIC EYE MOVEMENTS**  
GS EYE MOVEMENTS  
  **SACCADIC EYE MOVEMENTS**  
RT FOVEA  
∞ MOTION  
VISUAL FIELDS

**SACCHARIDES**  
USE CARBOHYDRATES

**SACCHAROMYCES**  
GS PLANTS (BOTANY)  
  FUNGI  
  **SACCHAROMYCES**

**SACRAMENTO VALLEY (CA)**  
GS VALLEYS  
  **SACRAMENTO VALLEY (CA)**  
RT CALIFORNIA  
RIVER BASINS

**SADDLE POINTS**  
GS **SADDLE POINTS**  
  SADDLE POINTS (GAME THEORY)  
RT CURVE FITTING  
GAME THEORY  
MINIMAX TECHNIQUE

**SADDLE POINTS (GAME THEORY)**  
GS GAME THEORY  
  **SADDLE POINTS (GAME THEORY)**  
  SADDLE POINTS  
  **SADDLE POINTS (GAME THEORY)**  
RT OPERATIONS RESEARCH  
SADDLES  
∞ THEORIES

**SADDLES**  
RT SADDLE POINTS (GAME THEORY)

**SADDLES (SUPPORTS)**  
GS STRUCTURAL MEMBERS  
  **SADDLES (SUPPORTS)**  
  SUPPORTS  
  **SADDLES (SUPPORTS)**

**SAFEGUARD SYSTEM**  
GS WEAPON SYSTEMS  
  MISSILE SYSTEMS  
  **SAFEGUARD SYSTEM**  
RT ANTIMISSILE DEFENSE  
BALLISTIC MISSILES  
MILITARY TECHNOLOGY  
MISSILE DEFENSE  
SENTINEL SYSTEM  
∞ SYSTEMS

**SAFETY**  
GS **SAFETY**  
  AEROSPACE SAFETY  
  AIRCRAFT SAFETY  
  FLIGHT SAFETY  
  INDUSTRIAL SAFETY  
  RANGE SAFETY  
  REACTOR SAFETY  
RT ACCIDENT PREVENTION  
ACCIDENTS  
AIR BAG RESTRAINT DEVICES  
CRASHES  
∞ DETECTORS  
EMERGENCY LIFE SUSTAINING  
  SYSTEMS  
ENERGY POLICY  
EXPLOSIONS  
FIRE PREVENTION  
FIREPROOFING  
FIRES  
HAZARDS  
PREVENTION  
PROTECTION  
SABOTAGE  
∞ STORAGE  
VORTEX AVOIDANCE  
WARNING  
WARNING SYSTEMS

**SAFETY DEVICES**  
GS **SAFETY DEVICES**  
  ABORT APPARATUS  
  AIR BAG RESTRAINT DEVICES  
  ARRESTING GEAR  
  EJECTION SEATS  
  FLYING EJECTION SEATS  
  ESCAPE CAPSULES  
  ESCAPE ROCKETS  
  HELMETS  
  SEAT BELTS  
  SPACE SUITS  
RT ACCIDENT PREVENTION  
ACCIDENT PRONENESS  
ACCIDENTS  
AIRCRAFT SAFETY  
AMBULANCES  
ANTISKID DEVICES  
AUTOMOBILE ACCIDENTS  
∞ BARRIERS  
CHEMICAL DEFENSE  
DEFLECTORS  
∞ DEVICES  
EMERGENCY LIFE SUSTAINING  
  SYSTEMS  
ENCLOSURES  
∞ EQUIPMENT  
FAIL-SAFE SYSTEMS  
FIRE PREVENTION  
FLAME DEFLECTORS  
FLIGHT SAFETY  
GATES (OPENINGS)  
GUARDS (SHIELDS)  
HARNESSES  
HAZARDS  
HUMAN FACTORS ENGINEERING  
LANDING AIDS  
PRESSURE SUITS  
PROTECTION  
PROTECTIVE CLOTHING  
PROTECTORS  
RADIATION MEASURING INSTRUMENTS  
RADIATION SHIELDING  
SHIELDING  
SMOKE DETECTORS  
SPACECRAFT SHIELDING  
WARNING  
WARNING SYSTEMS

**SAFETY FACTORS**  
RT ACCIDENT PRONENESS  
AEROSPACE SAFETY  
DESIGN ANALYSIS  
ESCAPE SYSTEMS  
HAZARDS  
HEALTH PHYSICS  
RELIABILITY  
STABILITY

**SAFETY MANAGEMENT**  
GS **SAFETY MANAGEMENT**  
  MANAGEMENT  
  **SAFETY MANAGEMENT**  
RT ACCIDENT PREVENTION  
AEROSPACE SAFETY  
EDUCATION  
FAIL-SAFE SYSTEMS

**SAFETY MANAGEMENT-(CONT.)**  
FIRE PREVENTION  
GUARDS (SHIELDS)  
HAZARDS  
HUMAN FACTORS ENGINEERING  
PRODUCTION MANAGEMENT  
WARNING SYSTEMS

**SAGE AIR DEFENSE SYSTEM**  
GS AIR DEFENSE  
  **SAGE AIR DEFENSE SYSTEM**  
RT ∞ SYSTEMS

**SAGE SATELLITE**  
UF STRATOSPHERIC AEROSOL & GAS  
  EXPERIMENT  
GS ARTIFICIAL SATELLITES  
  **SAGE SATELLITE**  
RT AEROSOLS  
OZONE

**SAGINAW BAY (MI)**  
GS BAYS (TOPOGRAPHIC FEATURES)  
  **SAGINAW BAY (MI)**  
RT INLETS (TOPOGRAPHY)  
LAKE HURON  
MICHIGAN  
RIVER BASINS

**SAGITTARIUS CONSTELLATION**  
GS CONSTELLATIONS  
  **SAGITTARIUS CONSTELLATION**

**SAGNAC EFFECT**  
GS PHASE SHIFT  
  **SAGNAC EFFECT**  
RT ANGULAR VELOCITY  
ETALONS  
FIBER OPTICS  
INTERFEROMETERS  
INTERFEROMETRY  
LASER GYROSCOPES  
LASER INTERFEROMETRY  
LIGHT TRANSMISSION  
NONLINEAR OPTICS  
OPTICAL GYROSCOPES  
OPTICAL PATHS  
SPECKLE INTERFEROMETRY  
WAVE PROPAGATION

**SAHA EQUATIONS**  
RT ARC HEATING  
ELECTRIC ARCS  
∞ EQUATIONS  
ION DENSITY (CONCENTRATION)  
IONIZATION POTENTIALS  
TEMPERATURE

**SAHARA DESERT (AFRICA)**  
GS LAND  
  DESERTS  
  **SAHARA DESERT (AFRICA)**  
RT AFRICA  
ARID LANDS  
BARREN LAND  
DESERTIFICATION  
DUNES  
REMOTE REGIONS

**SAIL PROJECT**  
UF SHUTTLE AVIONICS INTEGRATION  
  LABORATORY  
GS PROGRAMS  
  NASA PROGRAMS  
  NASA SPACE PROGRAMS  
  **SAIL PROJECT**  
  PROJECTS  
  **SAIL PROJECT**  
  SPACE PROGRAMS  
  NASA SPACE PROGRAMS  
  **SAIL PROJECT**  
RT EARTH VIEWING APPLICATIONS  
  LABORATORY  
  LABORATORIES  
  SPACE LABORATORIES  
  SPACE SHUTTLES

**SAILPLANES**  
USE GLIDERS

**SAILS**  
GS **SAILS**  
  SAILWINGS  
  SOLAR SAILS

# SAN JOAQUIN VALLEY (CA)

## SAILS-(CONT.)

RT FINS  
GLIDERS  
TAIL ASSEMBLIES

## SAILWINGS

UF PRINCETON SAILWINGS  
GS FOLDING STRUCTURES  
. SAILWINGS  
SAILS  
. SAILWINGS  
RT GLIDERS  
HANG GLIDERS  
KA-6 SAILPLANES

## SAINT ELMO FIRE

GS ELECTRIC CURRENT  
. ELECTRIC DISCHARGES  
. SAINT ELMO FIRE  
RT FIRES

## SAINT VENANT FLEXURE PROBLEM

USE SAINT VENANT PRINCIPLE

## SAINT VENANT PRINCIPLE

UF SAINT VENANT FLEXURE PROBLEM  
ST VENANT FLEXURE PROBLEM  
RT PLASTIC DEFORMATION  
STATIC DEFORMATION  
STATIC LOADS  
STRESS ANALYSIS  
STRESS CONCENTRATION  
TEMPERATURE INVERSIONS

## SALICYLATES

GS SALICYLATES  
. SODIUM SALICYLATES  
RT ACETYLSALICYLIC ACID  
DRUGS  
ESTERS

## SALINITY

GS CHEMICAL PROPERTIES  
. SALINITY  
RT ALKALINITY  
BRINES  
CORE SAMPLING  
DESALINIZATION  
OCEAN CURRENTS  
OCEANOGRAPHIC PARAMETERS  
SEA WATER

## SALIVA

GS BODY FLUIDS  
. SALIVA  
RT DIGESTIVE SYSTEM  
MUCUS  
SALIVARY GLANDS

## SALIVARY GLANDS

UF PAROTID GLAND  
GS ANATOMY  
. DIGESTIVE SYSTEM  
. SALIVARY GLANDS  
GLANDS (ANATOMY)  
. SALIVARY GLANDS  
RT MOUTH  
SALIVA

## SALMONELLA

GS MICROORGANISMS  
. BACTERIA  
. SALMONELLA

## SALT BATHS

GS BATHS  
. SALT BATHS  
RT BRINES  
HEAT TREATMENT  
MOLTEN SALTS

## SALT BEDS

GS LANDFORMS  
. BEDS (GEOLOGY)  
. SALT BEDS  
RT BRINES  
BROMIDES  
CHLORIDES  
FLATS (LANDFORMS)  
SODIUM CHLORIDES

## SALT FLATS

USE FLATS (LANDFORMS)

## SALT SPRAY TESTS

GS CHEMICAL TESTS  
. SALT SPRAY TESTS  
ENVIRONMENTAL TESTS  
. CORROSION TESTS  
. SALT SPRAY TESTS  
RT CORROSION  
CORROSION RESISTANCE  
SPRAY INGESTION  
STRESS CORROSION  
∞ TESTS

## SALTON SEA (CA)

GS SEAS  
. SALTON SEA (CA)  
RT CALIFORNIA  
PACIFIC OCEAN

## ∞ SALTS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT HALITES  
INORGANIC COMPOUNDS  
MOLTEN SALTS  
ORGANIC CHARGE TRANSFER SALTS  
ORGANIC COMPOUNDS  
SODIUM CHLORIDES  
SULFONATES

## SALYUT SPACE STATION

GS ARTIFICIAL SATELLITES  
. SPACE STATIONS  
. SALLYUT SPACE STATION  
MANNED SPACECRAFT  
. SALLYUT SPACE STATION  
SOVIET SPACECRAFT  
. SALLYUT SPACE STATION  
STATIONS  
. SPACE STATIONS  
. SALLYUT SPACE STATION  
RT SOYUZ SPACECRAFT  
SPACE BASES  
SPACE LABORATORIES  
SPACECRAFT DOCKING  
U.S.S.R. SPACE PROGRAM

## SAMARITAN AIRCRAFT

USE C-131 AIRCRAFT

## SAMARIUM

GS CHEMICAL ELEMENTS  
. RARE EARTH ELEMENTS  
. SAMARIUM  
. SAMARIUM ISOTOPES  
METALS  
. RARE EARTH ELEMENTS  
. SAMARIUM  
. SAMARIUM ISOTOPES

## SAMARIUM COMPOUNDS

GS RARE EARTH COMPOUNDS  
. SAMARIUM COMPOUNDS  
RT ∞ CHEMICAL COMPOUNDS  
∞ METAL COMPOUNDS

## SAMARIUM ISOTOPES

GS CHEMICAL ELEMENTS  
. RARE EARTH ELEMENTS  
. SAMARIUM  
. SAMARIUM ISOTOPES  
METALS  
. RARE EARTH ELEMENTS  
. SAMARIUM  
. SAMARIUM ISOTOPES

## SAMOA

GS LANDFORMS  
. ISLANDS  
. PACIFIC ISLANDS  
. SAMOA

## SAMOS

UF SATELLITE AND MISSILE OBSERVATION  
SYSTEM  
GS ARTIFICIAL SATELLITES  
. SAMOS  
MILITARY SPACECRAFT  
. RECONNAISSANCE SPACECRAFT  
. SAMOS  
RT SATELLITE TRACKING

## SAMPLED DATA

USE DATA SAMPLING

## SAMPLED DATA SYSTEMS

USE DATA SAMPLING

## SAMPLERS

UF BOMBS (SAMPLERS)  
SAMPLING DEVICES  
RT ∞ BOMBS  
CORE SAMPLING  
SAMPLES  
SAMPLING  
SELECTORS  
∞ TEST EQUIPMENT

## SAMPLES

GS SAMPLES  
. MARS SURFACE SAMPLES  
RT ACCEPTABILITY  
SAMPLERS  
SAMPLING  
SPECIMENS

## SAMPLING

GS SAMPLING  
. AIR SAMPLING  
. CORE SAMPLING  
. DATA SAMPLING  
. PARTICULATE SAMPLING  
. RANDOM SAMPLING  
RT ALLOWANCES  
ASSAYING  
BAYES THEOREM  
CENSORED DATA (MATHEMATICS)  
CHEMICAL ANALYSIS  
CHEMICAL TESTS  
COLLECTION  
CONCENTRATION (COMPOSITION)  
CONFIDENCE LIMITS  
COUNTING  
ESTIMATING  
EXPLORATION  
GLOBAL AIR SAMPLING PROGRAM  
HETEROGENEITY  
HOMOGENEITY  
INSPECTION  
INVESTIGATION  
PROBABILITY THEORY  
PROCESS CONTROL (INDUSTRY)  
QUALITY CONTROL  
RANDOM ERRORS  
RELIABILITY  
SAMPLERS  
SAMPLES  
SELECTION  
SEQUENTIAL ANALYSIS  
SPECIMENS  
STANDARDS  
STATISTICAL ANALYSIS  
∞ STATISTICS  
SWEEP CIRCUITS  
∞ TESTS  
VARIABILITY  
WEIBULL DENSITY FUNCTIONS

## SAMPLING DEVICES

USE SAMPLERS

## SAN ANDREAS FAULT

GS GEOLOGICAL FAULTS  
. SAN ANDREAS FAULT  
RT CALIFORNIA  
CRUSTAL FRACTURES  
EARTH CRUST  
EARTHQUAKES  
MEXICO

## SAN ANDREAS FAULT EXPERIMENT

RT EARTHQUAKES  
GEOLOGICAL FAULTS

## SAN FRANCISCO (CA)

GS CITIES  
. SAN FRANCISCO (CA)  
RT CALIFORNIA

## SAN FRANCISCO BAY (CA)

GS BAYS (TOPOGRAPHIC FEATURES)  
. SAN FRANCISCO BAY (CA)  
RT CALIFORNIA  
PACIFIC OCEAN  
SAN PABLO BAY (CA)

## SAN JOAQUIN VALLEY (CA)

GS VALLEYS  
. SAN JOAQUIN VALLEY (CA)

## SAN JUAN MOUNTAINS (CO)

**SAN JOAQUIN VALLEY (CA)-(CONT.)**  
RT CALIFORNIA  
RIVER BASINS

**SAN JUAN MOUNTAINS (CO)**  
GS LANDFORMS  
MOUNTAINS  
.. **SAN JUAN MOUNTAINS (CO)**  
RT COLORADO

**SAN MARCO SATELLITES**  
GS ARTIFICIAL SATELLITES  
METEOROLOGICAL SATELLITES  
.. **SAN MARCO SATELLITES**  
.. SAN MARCO 1 SATELLITE  
.. SAN MARCO 2 SATELLITE  
.. SAN MARCO 3 SATELLITE  
RT SCOUT LAUNCH VEHICLE

**SAN MARCO 1 SATELLITE**  
GS ARTIFICIAL SATELLITES  
METEOROLOGICAL SATELLITES  
.. SAN MARCO SATELLITES  
.. **SAN MARCO 1 SATELLITE**

**SAN MARCO 2 SATELLITE**  
GS ARTIFICIAL SATELLITES  
METEOROLOGICAL SATELLITES  
.. SAN MARCO SATELLITES  
.. **SAN MARCO 2 SATELLITE**

**SAN MARCO 3 SATELLITE**  
GS ARTIFICIAL SATELLITES  
METEOROLOGICAL SATELLITES  
.. SAN MARCO SATELLITES  
.. **SAN MARCO 3 SATELLITE**

**SAN MARINO**  
GS NATIONS  
.. **SAN MARINO**  
RT EUROPE  
ITALY

**SAN PABLO BAY (CA)**  
GS BAYS (TOPOGRAPHIC FEATURES)  
.. **SAN PABLO BAY (CA)**  
RT CALIFORNIA  
SAN FRANCISCO BAY (CA)

**SAND CASTING**  
GS FORMING TECHNIQUES  
CASTING  
.. **SAND CASTING**  
RT MOLDING MATERIALS  
SANDS

**SAND DUNES**  
USE DUNES

**SAND HILLS REGION (GA-NC-SC)**  
GS REGIONS  
.. **SAND HILLS REGION (GA-NC-SC)**  
RT GEORGIA  
NORTH CAROLINA  
SOUTH CAROLINA

**SAND HILLS REGION (NE)**  
GS REGIONS  
.. **SAND HILLS REGION (NE)**  
RT NEBRASKA

**SANDPIPER TARGET MISSILE**  
GS MISSILE CONFIGURATIONS  
.. **SANDPIPER TARGET MISSILE**  
MISSILES  
.. **SANDPIPER TARGET MISSILE**  
RT DRONE VEHICLES  
TARGETS

**SANDS**  
GS SEDIMENTS  
.. **SANDS**  
.. MONAZITE SANDS  
.. TAR SANDS  
SOILS  
.. **SANDS**  
.. MONAZITE SANDS  
.. TAR SANDS  
RT AGGREGATES  
ALLUVIUM  
AQUIFERS  
DELTA  
DUNES  
DUST

## SANDS-(CONT.)

EARTH RESOURCES  
FANS (LANDFORMS)  
GRAVELS  
GRIT  
ILMENITE  
LITTORAL DRIFT  
LITTORAL TRANSPORT  
MOLDING MATERIALS  
POROUS MATERIALS  
QUARTZ  
RAIN EROSION  
REEFS  
SAND CASTING  
SANDSTONES  
SEDIMENTARY ROCKS  
SILICA GLASS  
SILICON DIOXIDE

## SANDSTONES

GS ROCKS  
SEDIMENTARY ROCKS  
.. **SANDSTONES**  
RT EARTH RESOURCES  
SANDS  
SCHIST  
SOILS

## SANDWICH CONSTRUCTION

USE SANDWICH STRUCTURES

## SANDWICH STRUCTURES

UF SANDWICH CONSTRUCTION  
RT COMPOSITE MATERIALS  
EPOXY MATRIX COMPOSITES  
HONEYCOMB CORES  
HONEYCOMB STRUCTURES  
INTERLAYERS  
LAMINATES  
MULTILAYER INSULATION  
PLY ORIENTATION  
RIGID STRUCTURES  
STRUCTURES  
WALLS

## SANITATION

RT CONSUMABLES (SPACECREW SUPPLIES)  
HEALTH  
HOUSEKEEPING (SPACECRAFT)  
HYGIENE  
POTABLE WATER  
PUBLIC HEALTH  
SEWERS  
TOILETS  
WARNING SYSTEMS  
WASTE DISPOSAL

## SANTOWAX (TRADEMARK)

RT POLYSTYRENE

## SAPPHIRE

GS ALUMINUM COMPOUNDS  
.. ALUMINUM OXIDES  
.. **SAPPHIRE**  
.. CHALCOGENIDES  
.. OXIDES  
.. METAL OXIDES  
.. .. ALUMINUM OXIDES  
.. .. **SAPPHIRE**

## SAPROPHYTES

GS PLANTS (BOTANY)  
.. **SAPROPHYTES**  
RT BACTERIA  
MICROORGANISMS

## SARCINA

GS MICROORGANISMS  
.. BACTERIA  
.. **SARCINA**

## SARCOMA

USE CANCER

## SARCOPLASMIC RETICULUM

GS ORGANELLES  
.. ENDOPLASMIC RETICULUM  
.. **SARCOPLASMIC RETICULUM**  
RT CELLS (BIOLOGY)  
CYTOLOGY  
CYTOPLASM

## SARGASSO SEA

RT ATLANTIC OCEAN

## SARGASSO SEA-(CONT.)

GULF STREAM  
OCEAN MODELS  
OCEAN SURFACE  
OCEANOGRAPHY  
SEAS

## SARSAT

UF SEARCH AND RESCUE SATELLITE  
GS ARTIFICIAL SATELLITES  
.. **SARSAT**  
RT COSPAS  
NOAA 8 SATELLITE  
RECONNAISSANCE  
RESCUE OPERATIONS  
SEARCHING

## SAS

UF SMALL ASTRONOMY SATELLITES  
GS OBSERVATORIES  
.. ASTRONOMICAL OBSERVATORIES  
.. ASTRONOMICAL SATELLITES  
.. .. **SAS**  
.. .. EXPLORER 53 SATELLITE  
.. .. SAS-1  
.. .. SAS-2  
.. .. SAS-3  
RT EXPLORER 48 SATELLITE  
UHURU SATELLITE

## SAS-D

USE IUE

## SAS-1

UF SMALL ASTRONOMY SATELLITE 1  
GS OBSERVATORIES  
.. ASTRONOMICAL OBSERVATORIES  
.. ASTRONOMICAL SATELLITES  
.. .. **SAS**  
.. .. **SAS-1**  
RT RADIO ASTRONOMY  
SPACEBORNE ASTRONOMY

## SAS-2

UF SMALL ASTRONOMY SATELLITE 2  
GS OBSERVATORIES  
.. ASTRONOMICAL OBSERVATORIES  
.. ASTRONOMICAL SATELLITES  
.. .. **SAS**  
.. .. **SAS-2**  
RT EXPLORER 48 SATELLITE  
RADIO ASTRONOMY  
SPACEBORNE ASTRONOMY

## SAS-3

UF SMALL ASTRONOMY SATELLITE 3  
GS OBSERVATORIES  
.. ASTRONOMICAL OBSERVATORIES  
.. ASTRONOMICAL SATELLITES  
.. .. **SAS**  
.. .. **SAS-3**  
RT EXPLORER 53 SATELLITE  
RADIO ASTRONOMY  
SPACEBORNE ASTRONOMY  
X RAY ASTRONOMY

## SASKATCHEWAN

GS NATIONS  
.. CANADA  
.. **SASKATCHEWAN**

## SATAN (SENSOR)

USE TERRAIN ANALYSIS

## SATELLITE ALTIMETRY

GS ALTIMETRY  
.. **SATELLITE ALTIMETRY**  
RT ALTIMETERS  
GEODESY  
GEODETIC SATELLITES  
GEOIDS  
GEOS 3 SATELLITE  
GEOSAT SATELLITES  
RADAR MEASUREMENT  
SATELLITE OBSERVATION  
SATELLITE-BORNE RADAR  
SEASAT SATELLITES  
TOPOGRAPHY

## SATELLITE AND MISSILE OBSERVATION SYSTEM

USE SAMOS

## SATELLITE ANTENNAS

GS ANTENNAS

## SATELLITE OBSERVATION

### SATELLITE ANTENNAS-(CONT.)

RT . SATELLITE ANTENNAS  
FURABLE ANTENNAS  
MULTIBEAM ANTENNAS  
RADIO ANTENNAS  
TELECOMMUNICATION

### SATELLITE ATMOSPHERES

GS ENVIRONMENTS  
. EXTRATERRESTRIAL ENVIRONMENTS  
. SATELLITE ATMOSPHERES  
. LUNAR ATMOSPHERE  
RT ∞ ATMOSPHERES  
ATMOSPHERIC CHEMISTRY  
ATMOSPHERIC COMPOSITION  
ATMOSPHERIC PHYSICS  
EARTH ATMOSPHERE  
EARTH IONOSPHERE  
EARTH MAGNETOSPHERE  
IONOSPHERIC COMPOSITION  
MAGNETOPAUSE  
NATURAL SATELLITES  
PLANETARY ATMOSPHERES  
STELLAR ATMOSPHERES  
TITAN  
TRITON  
UPPER ATMOSPHERE

### SATELLITE ATTITUDE CONTROL

GS ATTITUDE CONTROL  
. SATELLITE ATTITUDE CONTROL  
SPACECRAFT CONTROL  
. SATELLITE ATTITUDE CONTROL  
RT ATTITUDE STABILITY  
AUTOMATIC CONTROL  
∞ CONTROL  
DIRECTIONAL CONTROL  
GRAVITY GRADIENT SATELLITES  
JET CONTROL  
LATERAL CONTROL  
LONGITUDINAL CONTROL  
MARQUARDT R4D ENGINE  
THREE AXIS STABILIZATION  
TRANSIT ATTITUDE CONTROL  
SATELLITE

### SATELLITE ATTITUDE DISTURBANCE

USE ATTITUDE STABILITY  
SPACECRAFT STABILITY

### SATELLITE CAPTURE

USE SPACECRAFT RECOVERY

### SATELLITE COMMUNICATION

GS TELECOMMUNICATION  
. SPACE COMMUNICATION  
. SPACECRAFT COMMUNICATION  
. SATELLITE COMMUNICATION  
RT ACTS  
ARPA COMPUTER NETWORK  
ASTRONICS  
CIRCUMLUNAR COMMUNICATION  
COMMUNICATION SATELLITES  
EARTH TERMINALS  
FACSIMILE COMMUNICATION  
GROUND-AIR-GROUND COMMUNICATION  
HOOP COLUMN ANTENNAS  
INTERPLANETARY COMMUNICATION  
LUNAR COMMUNICATION  
OPTICAL COMMUNICATION  
PACKET TRANSMISSION  
PLASMA ANTENNAS  
RADIO COMMUNICATION  
SATELLITE COMMUNICATIONS SHIPS  
SATELLITE GROUND SUPPORT  
SINGLE CHANNEL PER CARRIER  
TRANSMISSION  
SYSTEM GENERATED  
ELECTROMAGNETIC PULSES  
UNIFIED S BAND

### SATELLITE COMMUNICATIONS SHIPS

UF USNS KINGSPORT  
GS SURFACE VEHICLES  
. SATELLITE COMMUNICATIONS SHIPS  
WATER VEHICLES  
. SHIPS  
. SATELLITE COMMUNICATIONS SHIPS  
RT SATELLITE COMMUNICATION  
SPACECRAFT COMMUNICATION

### SATELLITE CONFIGURATIONS

GS SPACECRAFT CONFIGURATIONS  
. SATELLITE CONFIGURATIONS

### SATELLITE CONFIGURATIONS-(CONT.)

RT AERODYNAMIC CONFIGURATIONS

### SATELLITE CONTROL

GS SPACECRAFT CONTROL  
. SATELLITE CONTROL  
. SATELLITE ATTITUDE CONTROL  
RT ATTITUDE CONTROL  
AUTOMATIC CONTROL  
∞ CONTROL  
DIRECTIONAL CONTROL  
FLEXIBLE SPACECRAFT  
GRAVITY GRADIENT SATELLITES  
JET CONTROL  
LATERAL CONTROL  
LONGITUDINAL CONTROL  
MANUAL CONTROL  
REMOTE CONTROL  
THRUST CONTROL

### SATELLITE DEFENSE

USE SPACECRAFT DEFENSE

### SATELLITE DESIGN

GS SPACECRAFT DESIGN  
. SATELLITE DESIGN  
RT COMPUTER AIDED DESIGN  
∞ DESIGN  
INDIAN SPACE PROGRAM  
JAPANESE SPACE PROGRAM  
PRODUCT DEVELOPMENT  
SPACECRAFT STRUCTURES  
STRUCTURAL DESIGN  
SYSTEMS ENGINEERING

### SATELLITE DOPPLER POSITIONING

RT ARGOS SYSTEM  
DOPPLER EFFECT  
DOPPLER NAVIGATION  
DOPPLER RADAR  
GEODESY  
GEODETIC ACCURACY  
GEODETIC COORDINATES  
GEODETIC SATELLITES  
GEODETIC SURVEYS  
POLYSTATION DOPPLER TRACKING  
SYSTEM  
POSITIONING  
SATELLITE TRACKING  
TRACKING (POSITION)

### SATELLITE DRAG

GS DYNAMIC CHARACTERISTICS  
. DRAG  
. SATELLITE DRAG  
RT AERODYNAMIC DRAG  
ELECTROSTATIC DRAG  
FRICTION DRAG

### SATELLITE GROUND SUPPORT

RT GROUND SUPPORT EQUIPMENT  
SATELLITE COMMUNICATION  
SPACECRAFT COMMUNICATION

### SATELLITE GROUND TRACKS

GS GROUND TRACKS  
. SATELLITE GROUND TRACKS  
RT FLIGHT PATHS  
ORBITS

### SATELLITE GUIDANCE

GS GUIDANCE (MOTION)  
. SPACECRAFT GUIDANCE  
. SATELLITE GUIDANCE  
RT AUTOMATIC CONTROL  
INERTIAL GUIDANCE  
INJECTION GUIDANCE  
LOCATES SYSTEM  
MANUAL CONTROL  
REENTRY GUIDANCE  
RENDEZVOUS GUIDANCE  
SPACE NAVIGATION

### SATELLITE IMAGERY

GS IMAGERY  
. SATELLITE IMAGERY  
RT ATMOSPHERIC CORRECTION  
COASTAL ZONE COLOR SCANNER  
IMAGE ANALYSIS  
IMAGING TECHNIQUES  
PIXELS  
SATELLITE OBSERVATION  
SATELLITE-BORNE PHOTOGRAPHY  
VEGETATIVE INDEX

### SATELLITE INSTRUMENTS

GS SPACECRAFT INSTRUMENTS  
. SATELLITE INSTRUMENTS  
RT . MULTISPECTRAL LINEAR ARRAYS  
FLIGHT INSTRUMENTS  
∞ INSTRUMENTS  
LASER ALTIMETERS  
MEASURING INSTRUMENTS  
NEEDS (DATA SYSTEM)  
WILDLIFE RADIOLOCATION

### SATELLITE INTERCEPTORS

RT ∞ INTERCEPTORS  
PURSUIT TRACKING

### SATELLITE LAUNCHING

USE SPACECRAFT LAUNCHING

### SATELLITE LIFETIME

GS LIFE (DURABILITY)  
. SATELLITE LIFETIME  
RT ORBIT DECAY  
SPACECRAFT REENTRY

### SATELLITE MANEUVERS

USE SPACECRAFT MANEUVERS

### SATELLITE NAVIGATION SYSTEMS

GS SATELLITE NAVIGATION SYSTEMS  
. TRANSIT NAVIGATION SYSTEM  
RT AUTONOMOUS NAVIGATION  
GLOBAL POSITIONING SYSTEM  
NAVIGATION SATELLITES  
RADAR NAVIGATION  
RADIO NAVIGATION  
SPACE NAVIGATION  
∞ SYSTEMS

### SATELLITE NETWORKS

SN (NETWORKS INCORPORATING  
SATELLITES)  
GS SATELLITE NETWORKS  
. ARGOS SYSTEM  
RT AERONAUTICAL SATELLITES  
AEROSAT SATELLITES  
CODE DIVISION MULTIPLE ACCESS  
COMMUNICATION NETWORKS  
COMMUNICATION SATELLITES  
COMSTAR SATELLITES  
DEMAND ASSIGNMENT MULTIPLE  
ACCESS  
DOMESTIC SATELLITE COMMUNICATIONS  
SYSTEMS  
HET EXPERIMENT  
L-SAT  
MARECS MARITIME SATELLITES  
MILITARY SPACECRAFT  
MOLNIYA SATELLITES  
MULTIMISSION MODULAR SPACECRAFT  
NAVIGATION SATELLITES  
NAVSTAR SATELLITES  
NETWORK CONTROL  
∞ NETWORKS  
SKYNET SATELLITES  
TDR SATELLITES  
TELECONFERENCING  
TIME DIVISION MULTIPLE ACCESS

### SATELLITE OBSERVATION

GS OBSERVATION  
. EARTH OBSERVATIONS (FROM SPACE)  
. SATELLITE OBSERVATION  
RT ARC CLOUDS  
EARTH RESOURCES PROGRAM  
EROS (SATELLITES)  
ESSA (SATELLITES)  
IRIS SATELLITES  
LANDSAT SATELLITES  
METEOROLOGICAL SATELLITES  
METEOSAT SATELLITE  
NIMBUS PROJECT  
NIMBUS SATELLITES  
SATELLITE ALTIMETRY  
SATELLITE IMAGERY  
SIRS B SATELLITE  
SPACEBORNE PHOTOGRAPHY  
SWATH WIDTH  
SYNCHRONOUS EARTH OBSERVATORY  
SATELLITE  
TIROS OPERATIONAL SATELLITE  
SYSTEM  
TIROS SATELLITES  
TOPEX  
UHURU SATELLITE  
VEGETATIVE INDEX

## SATELLITE ORBIT CALCULATION

### SATELLITE OBSERVATION-(CONT.)

VELA SATELLITES  
WILDLIFE RADIOLOCATION

### SATELLITE ORBIT CALCULATION

USE ORBIT CALCULATION

### SATELLITE ORBITS

SN (LIMITED TO ORBITS OF ARTIFICIAL SATELLITES)  
GS ORBITS  
    . SPACECRAFT ORBITS  
    . . . **SATELLITE ORBITS**  
    . . . GEOSYNCHRONOUS ORBITS  
    . . . PARKING ORBITS  
    . . . POLAR ORBITS  
    . . . STATIONARY ORBITS  
    . . . TWENTY-FOUR HOUR ORBITS  
RT CIRCULAR ORBITS  
    EARTH ORBITS  
    ELLIPTICAL ORBITS  
    EQUATORIAL ORBITS  
    LISSAJOUS FIGURES  
    LUNAR ORBITS  
    ORBIT SPECTRUM UTILIZATION  
    ORBITAL MECHANICS  
    ORBITAL POSITION ESTIMATION  
    ORBITAL RESONANCES (CELESTIAL MECHANICS)  
    PLANETARY ORBITS  
    TRANSFER ORBITS

### SATELLITE ORIENTATION

GS ATTITUDE (INCLINATION)  
    . **SATELLITE ORIENTATION**  
RT FLEXIBLE SPACECRAFT  
    IMAGE DISSECTOR TUBES  
    SPIN STABILIZATION  
    THREE AXIS STABILIZATION

### SATELLITE PERTURBATION

GS PERTURBATION  
    . ORBIT PERTURBATION  
    . . . **SATELLITE PERTURBATION**  
RT DISCOS (SATELLITE ATTITUDE CONTROL)  
    GRAVITATIONAL FIELDS  
    ORBITAL MECHANICS  
    SCHACH EFFECT  
    SPACECRAFT STABILITY  
    TESSERAL HARMONICS

### SATELLITE POWER TRANSMISSION (TO EARTH)

RT RECTENNAS  
    SOLAR ARRAYS  
    SOLAR CELLS  
    SOLAR POWER SATELLITES

### SATELLITE RENDEZVOUS

USE ORBITAL RENDEZVOUS

### SATELLITE ROTATION

GS GYRATION  
    . ROTATION  
    . . . **SATELLITE ROTATION**  
RT FLEXIBLE SPACECRAFT  
    SPIN REDUCTION  
    SPIN STABILIZATION  
    TUMBLING MOTION  
    YO-YO DEVICES

### SATELLITE SOLAR ENERGY CONVERSION

GS ENERGY CONVERSION  
    . **SATELLITE SOLAR ENERGY CONVERSION**  
RT ∞ CONVERSION  
    MICROWAVE TRANSMISSION  
    MICROWAVES  
    POWER CONDITIONING  
    SOLAR CELLS  
    SUN

### SATELLITE SOLAR POWER STATIONS

RT ENERGY CONVERSION  
    MICROWAVE TRANSMISSION  
    MICROWAVES  
    POWER CONDITIONING  
    SOLAR CELLS  
    SUN

### SATELLITE SOUNDING

GS SOUNDING  
    . **SATELLITE SOUNDING**  
RT ARTIFICIAL SATELLITES

### SATELLITE SOUNDING-(CONT.)

ATMOSPHERIC SOUNDING  
IONOSONDES  
IONOSPHERIC SOUNDING  
METEOROLOGICAL SATELLITES  
RADIOSONDES  
ROCKET SOUNDING  
VISIBLE INFRARED SPIN SCAN  
RADIOMETER

### SATELLITE SURFACES

SN (RESTRICTED TO NATURAL SATELLITES)  
GS **SATELLITE SURFACES**  
    . LUNAR SURFACE  
RT CRATERS  
    ICY SATELLITES  
    MERCURY SURFACE  
    NATURAL SATELLITES  
    . SURFACES  
    TERRAIN ANALYSIS

### SATELLITE TELEVISION

GS COMMUNICATION EQUIPMENT  
    . SPACECRAFT TELEVISION  
    . . . **SATELLITE TELEVISION**  
    TELECOMMUNICATION  
    . SPACECRAFT TELEVISION  
    . . . **SATELLITE TELEVISION**  
    TELEVISION SYSTEMS  
    . SPACECRAFT TELEVISION  
    . . . **SATELLITE TELEVISION**  
RT COLOR TELEVISION  
    DIRECT BROADCAST SATELLITES  
    METEOROLOGICAL SATELLITES  
    SPACE PROBES  
    STEREOTELEVISION  
    SYMPHONIE SATELLITES  
    TELEVISION CAMERAS  
    TELEVISION TRANSMISSION

### SATELLITE TEMPERATURE

GS TEMPERATURE  
    . **SATELLITE TEMPERATURE**  
RT AMBIENT TEMPERATURE  
    RADIATIVE HEAT TRANSFER  
    SOLAR RADIATION SHIELDING  
    SPACECRAFT DESIGN  
    SPACECRAFT ENVIRONMENTS  
    SPACECRAFT TEMPERATURE  
    TEMPERATURE DISTRIBUTION  
    TEMPERATURE MEASUREMENT  
    THERMAL ENVIRONMENTS

### SATELLITE TRACKING

GS TRACKING (POSITION)  
    . SPACECRAFT TRACKING  
    . . . **SATELLITE TRACKING**  
    . . . SATELLITE-TO-SATELLITE TRACKING  
RT CINETHEODOLITES  
    GLOBAL TRACKING NETWORK  
    INTERNATIONAL SATELLITE GEODESY  
    EXPERIMENT  
    LASER TARGET DESIGNATORS  
    MINITRACK SYSTEM  
    OPTICAL SATELLITE TRACKING  
    PROGRAM  
    PHOTOGRAPHIC TRACKING  
    RANGE AND RANGE RATE TRACKING  
    SAMOS  
    SATELLITE DOPPLER POSITIONING  
    SPACE FLIGHT TRACKING AND DATA  
    NETWORK  
    STDN (NETWORK)  
    TRACKING NETWORKS  
    TRACKING STATIONS  
    TRANSPONDER CONTROL GROUP

### SATELLITE TRACKING AND DATA ACQ NETWORK

USE STDN (NETWORK)

### SATELLITE TRANSMISSION

GS TRANSMISSION  
    . SIGNAL TRANSMISSION  
    . . . **SATELLITE TRANSMISSION**  
RT ALOHA SYSTEM  
    CODE DIVISION MULTIPLEXING  
    DATA TRANSMISSION  
    DIRECT BROADCAST SATELLITES  
    DOMESTIC SATELLITE COMMUNICATIONS  
    SYSTEMS  
    DOWNLINKING  
    EARTH TERMINALS  
    FREQUENCY DIVISION MULTIPLEXING  
    FREQUENCY REUSE

### SATELLITE TRANSMISSION-(CONT.)

MSAT  
MULTIPLEXING  
PULSE COMMUNICATION  
RADIO TRANSMISSION  
SINGLE CHANNEL PER CARRIER  
TRANSMISSION  
SPACECRAFT TELEVISION  
TDR SATELLITES  
TELEVISION TRANSMISSION  
UPLINKING

### SATELLITE-BORNE INSTRUMENTS

GS MEASURING INSTRUMENTS  
    . **SATELLITE-BORNE INSTRUMENTS**  
    . . . AMPS (SATELLITE PAYLOAD)  
RT AMPTE (SATELLITES)  
    DIAL SATELLITE  
    INFRARED RADIOMETERS  
    INSTRUMENT PACKAGES  
∞ INSTRUMENTS  
    OPEN PROJECT  
    PARTICLE TELESCOPES  
    RADIATION DETECTORS  
    REMOTE SENSORS  
    SINGLE EVENT UPSETS  
    SOLAR BACKSCATTER UV  
    SPECTROMETER  
    VISIBLE INFRARED SPIN SCAN  
    RADIOMETER

### SATELLITE-BORNE PHOTOGRAPHY

GS IMAGERY  
    . SPACEBORNE PHOTOGRAPHY  
    . . . **SATELLITE-BORNE PHOTOGRAPHY**  
    PHOTOGRAPHY  
    . SPACEBORNE PHOTOGRAPHY  
    . . . **SATELLITE-BORNE PHOTOGRAPHY**  
RT AERIAL PHOTOGRAPHY  
    ASTRONOMICAL PHOTOGRAPHY  
    BLACK AND WHITE PHOTOGRAPHY  
    DMSP SATELLITES  
    FOREST FIRE DETECTION  
    GEOGRAPHIC APPLICATIONS PROGRAM  
    INFRARED PHOTOGRAPHY  
    MARS PHOTOGRAPHS  
    PHOTOMAPPING  
    PHOTOMAPS  
    ROCKET-BORNE PHOTOGRAPHY  
    SATELLITE IMAGERY  
    SPACE SURVEILLANCE (SPACEBORNE)  
    SPECTRAL RECONNAISSANCE  
    TIMBER INVENTORY

### SATELLITE-BORNE RADAR

GS RADAR  
    . **SATELLITE-BORNE RADAR**  
RT RADAR DETECTION  
    SATELLITE ALTIMETRY  
    SEARCH RADAR  
    SURVEILLANCE RADAR  
    SYNTHETIC APERTURE RADAR  
    TRACKING RADAR

### SATELLITE-TO-SATELLITE TRACKING

GS TRACKING (POSITION)  
    . SPACECRAFT TRACKING  
    . . . SATELLITE TRACKING  
    . . . **SATELLITE-TO-SATELLITE TRACKING**  
RT SPACE SURVEILLANCE (SPACEBORNE)  
    TRACKING NETWORKS

### ∞ SATELLITES

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
RT ARTIFICIAL SATELLITES  
    NATURAL SATELLITES

### SATURABLE REACTORS

UF SR (REACTORS)  
GS ELECTRIC REACTORS  
    . **SATURABLE REACTORS**  
RT MAGNET COILS  
    MAGNETIC AMPLIFIERS  
    MAGNETIC CIRCUITS  
    MAGNETIC CORES  
    MAGNETIC SWITCHING  
    POWER REACTORS  
    TRANSFORMERS

### SATURATED HYDROCARBONS

USE ALKANES

## SATURN 1 SA-3 LAUNCH VEHICLE

### ∞ SATURATION

- SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED—CONSULT THE TERMS  
LISTED BELOW)
- RT CONCENTRATION (COMPOSITION)  
CONDENSING  
CROWDING  
DESATURATION  
PENETRATION  
PERMEATING  
PRECIPITATION (CHEMISTRY)  
PRECIPITATION (METEOROLOGY)  
UNSATURATION (CHEMISTRY)  
WETTING

### SATURATION (CHEMISTRY)

- RT CHEMICAL BONDS  
∞ CHEMISTRY  
DEW POINT  
PRECIPITATION (CHEMISTRY)  
UNSATURATION (CHEMISTRY)

### ∞ SATURN

- SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED—CONSULT THE TERMS  
LISTED BELOW)
- RT SATURN (PLANET)  
SATURN PROJECT

### SATURN (PLANET)

- GS CELESTIAL BODIES  
. PLANETS  
. GAS GIANT PLANETS  
. . . SATURN (PLANET)
- RT DIONE  
ENCELADUS  
HYPERION  
IAPETUS  
JANUS  
MIMAS  
PHOBOS  
RHEA (ASTRONOMY)  
∞ SATURN  
TETHYS  
TITAN

### SATURN ATMOSPHERE

- GS ENVIRONMENTS  
. EXTRATERRESTRIAL ENVIRONMENTS  
. . PLANETARY ENVIRONMENTS  
. . . PLANETARY ATMOSPHERES  
. . . . SATURN ATMOSPHERE
- RT ATMOSPHERIC COMPOSITION  
PLANETARY IONOSPHERES  
PLANETARY RADIATION

### SATURN D LAUNCH VEHICLE

- GS LAUNCH VEHICLES  
. SATURN LAUNCH VEHICLES  
. . SATURN D LAUNCH VEHICLE  
ROCKET VEHICLES  
. MULTISTAGE ROCKET VEHICLES  
. . SATURN LAUNCH VEHICLES  
. . . SATURN D LAUNCH VEHICLE
- RT RL-10-A-3 ENGINE

### SATURN LAUNCH VEHICLES

- GS LAUNCH VEHICLES  
. SATURN LAUNCH VEHICLES  
. . SATURN D LAUNCH VEHICLE  
. . . SATURN 1 LAUNCH VEHICLES  
. . . . SATURN 1 SA-1 LAUNCH VEHICLE  
. . . . SATURN 1 SA-2 LAUNCH VEHICLE  
. . . . SATURN 1 SA-3 LAUNCH VEHICLE  
. . . . SATURN 1 SA-4 LAUNCH VEHICLE  
. . . . SATURN 1 SA-5 LAUNCH VEHICLE  
. . . . SATURN 1 SA-6 LAUNCH VEHICLE  
. . . . SATURN 1 SA-7 LAUNCH VEHICLE  
. . . . SATURN 1 SA-8 LAUNCH VEHICLE  
. . . . SATURN 1 SA-9 LAUNCH VEHICLE  
. . . . SATURN 1 SA-10 LAUNCH VEHICLE  
. . SATURN 1B LAUNCH VEHICLES  
. . SATURN 2 LAUNCH VEHICLES  
. . SATURN 5 LAUNCH VEHICLES  
ROCKET VEHICLES  
. MULTISTAGE ROCKET VEHICLES  
. . SATURN LAUNCH VEHICLES  
. . . SATURN D LAUNCH VEHICLE  
. . . . SATURN 1 LAUNCH VEHICLES  
. . . . . SATURN 1 SA-1 LAUNCH VEHICLE  
. . . . . SATURN 1 SA-2 LAUNCH VEHICLE  
. . . . . SATURN 1 SA-3 LAUNCH VEHICLE  
. . . . . SATURN 1 SA-4 LAUNCH VEHICLE  
. . . . . SATURN 1 SA-5 LAUNCH VEHICLE  
. . . . . SATURN 1 SA-6 LAUNCH VEHICLE

### SATURN LAUNCH VEHICLES-(CONT.)

- . . . . SATURN 1 SA-7 LAUNCH VEHICLE  
. . . . SATURN 1 SA-8 LAUNCH VEHICLE  
. . . . SATURN 1 SA-9 LAUNCH VEHICLE  
. . . . SATURN 1 SA-10 LAUNCH  
VEHICLE  
. . . SATURN 1B LAUNCH VEHICLES  
. . . SATURN 2 LAUNCH VEHICLES  
. . . SATURN 5 LAUNCH VEHICLES
- RT APOLLO PROJECT  
F-1 ROCKET ENGINE  
RL-10 ENGINES  
∞ VEHICLES

### SATURN PROJECT

- GS PROGRAMS  
. NASA PROGRAMS  
. . NASA SPACE PROGRAMS  
. . . SATURN PROJECT  
PROJECTS  
. SATURN PROJECT  
. . SPACE PROGRAMS  
. . . NASA SPACE PROGRAMS  
. . . . SATURN PROJECT
- RT APOLLO APPLICATIONS PROGRAM  
APOLLO SPACECRAFT  
CENTAUR LAUNCH VEHICLE  
LAUNCH VEHICLES  
LUNAR LAUNCH  
PEGASUS SATELLITES  
RIFT (REACTOR IN FLIGHT TEST)  
VOYAGER PROJECT

### SATURN RINGS

- GS CELESTIAL BODIES  
. PLANETARY RINGS  
. . SATURN RINGS
- RT GAS GIANT PLANETS  
JUPITER RINGS  
NATURAL SATELLITES  
PLANETARY ATMOSPHERES  
PLANETARY COMPOSITION  
PLANETARY SURFACES  
PLANETARY TEMPERATURE  
PLANETOLOGY  
PLANETS  
∞ RINGS  
SOLAR SYSTEM  
URANUS RINGS

### SATURN S-1 STAGE

- GS ROCKET VEHICLES  
. SATURN STAGES  
. . SATURN S-1 STAGE
- RT LIQUID PROPELLANT ROCKET ENGINES

### SATURN S-1B STAGE

- GS ROCKET VEHICLES  
. SATURN STAGES  
. . SATURN S-1B STAGE
- RT LIQUID PROPELLANT ROCKET ENGINES

### SATURN S-1C STAGE

- GS ROCKET VEHICLES  
. SATURN STAGES  
. . SATURN S-1C STAGE
- RT LIQUID PROPELLANT ROCKET ENGINES

### SATURN S-2 STAGE

- GS ROCKET VEHICLES  
. SATURN STAGES  
. . SATURN S-2 STAGE
- RT LIQUID PROPELLANT ROCKET ENGINES

### SATURN S-4 STAGE

- GS ROCKET VEHICLES  
. SATURN STAGES  
. . SATURN S-4 STAGE
- RT LIQUID PROPELLANT ROCKET ENGINES

### SATURN S-4B STAGE

- GS ROCKET VEHICLES  
. SATURN STAGES  
. . SATURN S-4B STAGE
- RT LIQUID PROPELLANT ROCKET ENGINES

### SATURN SATELLITES

- GS CELESTIAL BODIES  
. NATURAL SATELLITES  
. . SATURN SATELLITES  
. . . DIONE  
. . . ENCELADUS  
. . . HYPERION  
. . . IAPETUS

### SATURN SATELLITES-(CONT.)

- . . . JANUS  
. . . MIMAS  
. . . PHOEBE  
. . . RHEA (ASTRONOMY)  
. . . TETHYS  
. . . TITAN
- RT ICY SATELLITES

### SATURN STAGES

- GS ROCKET VEHICLES  
. SATURN STAGES  
. . SATURN S-1 STAGE  
. . . SATURN S-1B STAGE  
. . . SATURN S-1C STAGE  
. . . SATURN S-2 STAGE  
. . . SATURN S-4 STAGE  
. . . SATURN S-4B STAGE
- RT LIQUID PROPELLANT ROCKET ENGINES

### SATURN WORKSHOPS

- GS ARTIFICIAL SATELLITES  
. ORBITAL WORKSHOPS  
. . SATURN WORKSHOPS  
. . . SATURN 1 WORKSHOP  
. . . SATURN 5 WORKSHOP  
MANNED SPACECRAFT  
. ORBITAL WORKSHOPS  
. . SATURN WORKSHOPS  
. . . SATURN 1 WORKSHOP  
. . . SATURN 5 WORKSHOP
- RT AIRLOCK MODULES  
APOLLO APPLICATIONS PROGRAM  
APOLLO PROJECT  
MULTIPLE DOCKING ADAPTERS  
SKYLAB PROGRAM  
SPACE STATIONS

### SATURN 1 LAUNCH VEHICLES

- GS LAUNCH VEHICLES  
. SATURN LAUNCH VEHICLES  
. . SATURN 1 LAUNCH VEHICLES  
. . . SATURN 1 SA-1 LAUNCH VEHICLE  
. . . SATURN 1 SA-2 LAUNCH VEHICLE  
. . . SATURN 1 SA-3 LAUNCH VEHICLE  
. . . SATURN 1 SA-4 LAUNCH VEHICLE  
. . . SATURN 1 SA-5 LAUNCH VEHICLE  
. . . SATURN 1 SA-6 LAUNCH VEHICLE  
. . . SATURN 1 SA-7 LAUNCH VEHICLE  
. . . SATURN 1 SA-8 LAUNCH VEHICLE  
. . . SATURN 1 SA-9 LAUNCH VEHICLE  
. . . SATURN 1 SA-10 LAUNCH VEHICLE  
ROCKET VEHICLES  
. MULTISTAGE ROCKET VEHICLES  
. . SATURN LAUNCH VEHICLES  
. . . SATURN 1 LAUNCH VEHICLES  
. . . . SATURN 1 SA-1 LAUNCH VEHICLE  
. . . . SATURN 1 SA-2 LAUNCH VEHICLE  
. . . . SATURN 1 SA-3 LAUNCH VEHICLE  
. . . . SATURN 1 SA-4 LAUNCH VEHICLE  
. . . . SATURN 1 SA-5 LAUNCH VEHICLE  
. . . . SATURN 1 SA-6 LAUNCH VEHICLE  
. . . . SATURN 1 SA-7 LAUNCH VEHICLE  
. . . . SATURN 1 SA-8 LAUNCH VEHICLE  
. . . . SATURN 1 SA-9 LAUNCH VEHICLE  
. . . . SATURN 1 SA-10 LAUNCH  
VEHICLE
- RT H-1 ENGINE  
M-1 ENGINE

### SATURN 1 SA-1 LAUNCH VEHICLE

- GS LAUNCH VEHICLES  
. SATURN LAUNCH VEHICLES  
. . SATURN 1 LAUNCH VEHICLES  
. . . SATURN 1 SA-1 LAUNCH VEHICLE  
ROCKET VEHICLES  
. MULTISTAGE ROCKET VEHICLES  
. . SATURN LAUNCH VEHICLES  
. . . SATURN 1 LAUNCH VEHICLES  
. . . . SATURN 1 SA-1 LAUNCH VEHICLE

### SATURN 1 SA-2 LAUNCH VEHICLE

- GS LAUNCH VEHICLES  
. SATURN LAUNCH VEHICLES  
. . SATURN 1 LAUNCH VEHICLES  
. . . SATURN 1 SA-2 LAUNCH VEHICLE  
ROCKET VEHICLES  
. MULTISTAGE ROCKET VEHICLES  
. . SATURN LAUNCH VEHICLES  
. . . SATURN 1 LAUNCH VEHICLES  
. . . . SATURN 1 SA-2 LAUNCH VEHICLE

### SATURN 1 SA-3 LAUNCH VEHICLE

- GS LAUNCH VEHICLES  
. SATURN LAUNCH VEHICLES



## SATURN 1 SA-4 LAUNCH VEHICLE

### SATURN 1 SA-3 LAUNCH VEHICLE-(CONT.)

GS LAUNCH VEHICLES  
 . SATURN 1 LAUNCH VEHICLES  
 . . . SATURN 1 SA-3 LAUNCH VEHICLE  
 ROCKET VEHICLES  
 . MULTISTAGE ROCKET VEHICLES  
 . . SATURN LAUNCH VEHICLES  
 . . . SATURN 1 LAUNCH VEHICLES  
 . . . . SATURN 1 SA-3 LAUNCH VEHICLE

### SATURN 1 SA-4 LAUNCH VEHICLE

GS LAUNCH VEHICLES  
 . SATURN LAUNCH VEHICLES  
 . . SATURN 1 LAUNCH VEHICLES  
 . . . SATURN 1 SA-4 LAUNCH VEHICLE  
 ROCKET VEHICLES  
 . MULTISTAGE ROCKET VEHICLES  
 . . SATURN LAUNCH VEHICLES  
 . . . SATURN 1 LAUNCH VEHICLES  
 . . . . SATURN 1 SA-4 LAUNCH VEHICLE

### SATURN 1 SA-5 LAUNCH VEHICLE

GS LAUNCH VEHICLES  
 . SATURN LAUNCH VEHICLES  
 . . SATURN 1 LAUNCH VEHICLES  
 . . . SATURN 1 SA-5 LAUNCH VEHICLE  
 ROCKET VEHICLES  
 . MULTISTAGE ROCKET VEHICLES  
 . . SATURN LAUNCH VEHICLES  
 . . . SATURN 1 LAUNCH VEHICLES  
 . . . . SATURN 1 SA-5 LAUNCH VEHICLE

### SATURN 1 SA-6 LAUNCH VEHICLE

GS LAUNCH VEHICLES  
 . SATURN LAUNCH VEHICLES  
 . . SATURN 1 LAUNCH VEHICLES  
 . . . SATURN 1 SA-6 LAUNCH VEHICLE  
 ROCKET VEHICLES  
 . MULTISTAGE ROCKET VEHICLES  
 . . SATURN LAUNCH VEHICLES  
 . . . SATURN 1 LAUNCH VEHICLES  
 . . . . SATURN 1 SA-6 LAUNCH VEHICLE

### SATURN 1 SA-7 LAUNCH VEHICLE

GS LAUNCH VEHICLES  
 . SATURN LAUNCH VEHICLES  
 . . SATURN 1 LAUNCH VEHICLES  
 . . . SATURN 1 SA-7 LAUNCH VEHICLE  
 ROCKET VEHICLES  
 . MULTISTAGE ROCKET VEHICLES  
 . . SATURN LAUNCH VEHICLES  
 . . . SATURN 1 LAUNCH VEHICLES  
 . . . . SATURN 1 SA-7 LAUNCH VEHICLE

### SATURN 1 SA-8 LAUNCH VEHICLE

GS LAUNCH VEHICLES  
 . SATURN LAUNCH VEHICLES  
 . . SATURN 1 LAUNCH VEHICLES  
 . . . SATURN 1 SA-8 LAUNCH VEHICLE  
 ROCKET VEHICLES  
 . MULTISTAGE ROCKET VEHICLES  
 . . SATURN LAUNCH VEHICLES  
 . . . SATURN 1 LAUNCH VEHICLES  
 . . . . SATURN 1 SA-8 LAUNCH VEHICLE

### SATURN 1 SA-9 LAUNCH VEHICLE

GS LAUNCH VEHICLES  
 . SATURN LAUNCH VEHICLES  
 . . SATURN 1 LAUNCH VEHICLES  
 . . . SATURN 1 SA-9 LAUNCH VEHICLE  
 ROCKET VEHICLES  
 . MULTISTAGE ROCKET VEHICLES  
 . . SATURN LAUNCH VEHICLES  
 . . . SATURN 1 LAUNCH VEHICLES  
 . . . . SATURN 1 SA-9 LAUNCH VEHICLE

### SATURN 1 SA-10 LAUNCH VEHICLE

GS LAUNCH VEHICLES  
 . SATURN LAUNCH VEHICLES  
 . . SATURN 1 LAUNCH VEHICLES  
 . . . SATURN 1 SA-10 LAUNCH VEHICLE  
 ROCKET VEHICLES  
 . MULTISTAGE ROCKET VEHICLES  
 . . SATURN LAUNCH VEHICLES  
 . . . SATURN 1 LAUNCH VEHICLES  
 . . . . SATURN 1 SA-10 LAUNCH VEHICLE

### SATURN 1 WORKSHOP

GS ARTIFICIAL SATELLITES  
 . ORBITAL WORKSHOPS  
 . . SATURN WORKSHOPS  
 . . . SATURN 1 WORKSHOP  
 MANNED SPACECRAFT  
 . ORBITAL WORKSHOPS  
 . . SATURN WORKSHOPS

### SATURN 1 WORKSHOP-(CONT.)

RT AIRLOCK MODULES  
 . APOLLO APPLICATIONS PROGRAM  
 . APOLLO PROJECT  
 . MULTIPLE DOCKING ADAPTERS  
 . SKYLAB PROGRAM  
 . SPACE STATIONS

### SATURN 1B LAUNCH VEHICLES

GS LAUNCH VEHICLES  
 . SATURN LAUNCH VEHICLES  
 . . SATURN 1B LAUNCH VEHICLES  
 ROCKET VEHICLES  
 . MULTISTAGE ROCKET VEHICLES  
 . . SATURN LAUNCH VEHICLES  
 . . . SATURN 1B LAUNCH VEHICLES  
 RT H-1 ENGINE  
 . J-2 ENGINE  
 . M-1 ENGINE  
 . SKYLAB 2  
 . SKYLAB 3  
 . SKYLAB 4

### SATURN 2 LAUNCH VEHICLES

GS LAUNCH VEHICLES  
 . SATURN LAUNCH VEHICLES  
 . . SATURN 2 LAUNCH VEHICLES  
 ROCKET VEHICLES  
 . MULTISTAGE ROCKET VEHICLES  
 . . SATURN LAUNCH VEHICLES  
 . . . SATURN 2 LAUNCH VEHICLES

### SATURN 5 LAUNCH VEHICLES

GS LAUNCH VEHICLES  
 . SATURN LAUNCH VEHICLES  
 . . SATURN 5 LAUNCH VEHICLES  
 ROCKET VEHICLES  
 . MULTISTAGE ROCKET VEHICLES  
 . . SATURN LAUNCH VEHICLES  
 . . . SATURN 5 LAUNCH VEHICLES  
 RT J-2 ENGINE  
 . SKYLAB 2  
 . SKYLAB 3  
 . SKYLAB 4

### SATURN 5 WORKSHOP

GS ARTIFICIAL SATELLITES  
 . ORBITAL WORKSHOPS  
 . . SATURN WORKSHOPS  
 . . . SATURN 5 WORKSHOP  
 MANNED SPACECRAFT  
 . ORBITAL WORKSHOPS  
 . . SATURN WORKSHOPS  
 . . . SATURN 5 WORKSHOP  
 RT AIRLOCK MODULES  
 . APOLLO APPLICATIONS PROGRAM  
 . APOLLO PROJECT  
 . MULTIPLE DOCKING ADAPTERS  
 . SKYLAB PROGRAM  
 . SPACE STATIONS

### SAUDI ARABIA

GS NATIONS  
 . SAUDI ARABIA  
 RT ASIA  
 . SAUDI ARABIAN SPACE PROGRAM

### SAUDI ARABIAN SPACE PROGRAM

GS PROGRAMS  
 . SPACE PROGRAMS  
 . . SAUDI ARABIAN SPACE PROGRAM  
 RT ARABSAT  
 . ARCOMSAT  
 . SAUDI ARABIA  
 . SPACE SHUTTLE MISSION 51-G

### SAVAGE AIRCRAFT

USE A-2 AIRCRAFT

### SAVANNAH NUCLEAR SHIP

GS SURFACE VEHICLES  
 . CARGO SHIPS  
 . . SAVANNAH NUCLEAR SHIP  
 . NUCLEAR POWERED SHIPS  
 . . SAVANNAH NUCLEAR SHIP  
 . WATER VEHICLES  
 . SHIPS  
 . . CARGO SHIPS  
 . . . SAVANNAH NUCLEAR SHIP  
 . . NUCLEAR POWERED SHIPS  
 . . . SAVANNAH NUCLEAR SHIP  
 RT MARINE PROPULSION  
 . NUCLEAR PROPULSION

### SAVANNAHS

USE GRASSLANDS

### SAWS

GS CUTTERS  
 . SAWS  
 . TOOLS  
 . SAWS  
 RT MACHINE TOOLS  
 . SHEARS

### SAWTOOTH WAVEFORMS

GS WAVEFORMS  
 . SAWTOOTH WAVEFORMS  
 RT PULSE AMPLITUDE  
 . PULSE DURATION  
 . SQUARE WAVES

### SC-1 AIRCRAFT

UF SHORT SC-1 AIRCRAFT  
 . JET AIRCRAFT  
 . . SC-1 AIRCRAFT  
 . MONOPLANES  
 . . SC-1 AIRCRAFT  
 . RESEARCH AIRCRAFT  
 . . SC-1 AIRCRAFT  
 . TAILLESS AIRCRAFT  
 . . SC-1 AIRCRAFT  
 . V/STOL AIRCRAFT  
 . . VERTICAL TAKEOFF AIRCRAFT  
 . . . SC-1 AIRCRAFT  
 RT ∞ AIRCRAFT

### SC-5 AIRCRAFT

UF BELFAST AIRCRAFT  
 . SHORT BELFAST C MK-1 AIRCRAFT  
 . SHORT SC-5 AIRCRAFT  
 GS JET AIRCRAFT  
 . TURBOPROP AIRCRAFT  
 . . SC-5 AIRCRAFT  
 . MONOPLANES  
 . . SC-5 AIRCRAFT  
 . TRANSPORT AIRCRAFT  
 . . SC-5 AIRCRAFT  
 RT ∞ AIRCRAFT

### SC-7 AIRCRAFT

UF SHORT SC-7 AIRCRAFT  
 . SKYVAN AIRCRAFT  
 . TURBO-SKYVAN AIRCRAFT  
 GS LIGHT AIRCRAFT  
 . SC-7 AIRCRAFT  
 . MONOPLANES  
 . . SC-7 AIRCRAFT  
 . TRANSPORT AIRCRAFT  
 . . SC-7 AIRCRAFT  
 RT ∞ AIRCRAFT  
 . CARGO AIRCRAFT  
 . PASSENGER AIRCRAFT

### SCALAR MAGNETIC CHARGE

USE MAGNETIC CHARGE DENSITY

### SCALARS

RT TENSOR ANALYSIS  
 . TENSORS

### ∞ SCALE

SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)  
 RT SCALE (CORROSION)  
 . SCALE (RATIO)  
 . TEMPERATURE SCALES  
 . WEIGHT INDICATORS

### SCALE (CORROSION)

GS CORROSION  
 . SCALE (CORROSION)  
 RT CHEMICAL ATTACK  
 . DEGRADATION  
 . DESCALING  
 . HOT CORROSION  
 . PICKLING (METALLURGY)  
 . RUSTING  
 ∞ SCALE  
 ∞ SCALING

### SCALE (RATIO)

GS RATIOS  
 . SCALE (RATIO)  
 RT MAPPING  
 . RETICLES  
 ∞ SCALE

**SCALE EFFECT**

- RT  $\infty$  EFFECTS
  - FORCE DISTRIBUTION
  - PARAMETERIZATION
  - REYNOLDS NUMBER
- $\infty$  SCALING

**SCALE HEIGHT**

- GS DIMENSIONS
  - HEIGHT
- RT **SCALE HEIGHT**
  - EARTH ATMOSPHERE
  - GEOPOTENTIAL HEIGHT
  - HEAD (FLUID MECHANICS)

**SCALE MODELS**

- GS MODELS
  - SCALE MODELS**
- RT AERODYNAMIC CONFIGURATIONS
  - AIRCRAFT MODELS
  - REYNOLDS EQUATION
  - SCALING LAWS
  - SEMI-SPAN MODELS
  - SIMILARITY THEOREM
  - SIMILITUDE LAW
  - SPACECRAFT MODELS
  - WIND TUNNEL MODELS

**SCALERS**

- GS CIRCUITS
  - COUNTING CIRCUITS
- RT **SCALERS**
  - TENSOR ANALYSIS

 $\infty$  **SCALING**

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)*
- RT CALIBRATING
  - ERRORS
  - SCALE (CORROSION)
  - SCALE EFFECT
  - SCALING LAWS

**SCALING LAWS**

- GS LAWS
  - SCALING LAWS**
- RT DIMENSIONAL ANALYSIS
  - DIMENSIONLESS NUMBERS
  - SCALE MODELS
- $\infty$  SCALING
  - SIMILARITY NUMBERS
  - WIND TUNNEL CALIBRATION

**SCALLOPING**

- RT EDGES
  - ELECTRON BEAMS
  - TRAVELING WAVE TUBES

**SCANDINAVIA**

- RT DENMARK
  - FINLAND
  - NORWAY
  - SWEDEN

**SCANDIUM**

- GS CHEMICAL ELEMENTS
  - RARE EARTH ELEMENTS
- SCANDIUM**
  - SCANDIUM ISOTOPES
- METALS
  - RARE EARTH ELEMENTS
- SCANDIUM**
  - SCANDIUM ISOTOPES
  - TRANSITION METALS
- SCANDIUM**
  - SCANDIUM ISOTOPES

**SCANDIUM COMPOUNDS**

- GS RARE EARTH COMPOUNDS
  - SCANDIUM COMPOUNDS**
- RT  $\infty$  CHEMICAL COMPOUNDS
  - $\infty$  GROUP 3B COMPOUNDS
  - $\infty$  METAL COMPOUNDS

**SCANDIUM ISOTOPES**

- UF SCANDIUM 46
- GS CHEMICAL ELEMENTS
  - NUCLIDES
  - ISOTOPES
- SCANDIUM ISOTOPES**
  - RARE EARTH ELEMENTS
  - SCANDIUM

**SCANDIUM ISOTOPES—(CONT.)**

- SCANDIUM ISOTOPES**
  - METALS
  - RARE EARTH ELEMENTS
- SCANDIUM**
  - SCANDIUM ISOTOPES**
  - TRANSITION METALS
- SCANDIUM**
  - SCANDIUM ISOTOPES**

**SCANDIUM OXIDES**

- GS CHALCOGENIDES
  - OXIDES
  - METAL OXIDES
- SCANDIUM OXIDES**
  - RARE EARTH COMPOUNDS
  - SCANDIUM COMPOUNDS
  - SCANDIUM OXIDES

**SCANDIUM 46**

- USE SCANDIUM ISOTOPES

**SCANNER PROJECT**

- GS PROGRAMS
  - PROJECTS
- RT **SCANNER PROJECT**
  - HORIZON SCANNERS
  - INFRARED SCANNERS
  - OPTICAL EQUIPMENT

**SCANNERS**

- UF SCANNING DEVICES
- GS **SCANNERS**
  - COASTAL ZONE COLOR SCANNER
  - HORIZON SCANNERS
  - INFRARED SCANNERS
  - OCEAN COLOR SCANNER
  - OPTICAL SCANNERS
  - FLYING SPOT SCANNERS
  - MULTISPECTRAL BAND SCANNERS
  - THEMATIC MAPPERS (LANDSAT)
  - ULTRASONIC SCANNERS
- RT CONICAL SCANNING
  - OPTICAL DATA PROCESSING
  - OPTICAL EQUIPMENT
  - PANORAMIC SCANNING
  - READING
  - SCANNING
  - SUBREFLECTORS

**SCANNING**

- GS **SCANNING**
  - CONICAL SCANNING
  - FREQUENCY SCANNING
  - PANORAMIC SCANNING
  - RADAR SCANNING
  - RASTER SCANNING
- RT EARTH RESOURCES
  - EROS (SATELLITES)
  - EXAMINATION
  - MONITORS
  - MULTISPECTRAL BAND SCANNERS
  - RAPID BALLISTICS IDENTIFICATION
  - READING
  - SCANNERS
  - SEARCHING
  - SURVEILLANCE
  - ULTRASONIC SCANNERS

**SCANNING DEVICES**

- USE SCANNERS

**SCANNING LASER ACOUSTIC MICROSCOPE (SLAM)**

- USE ACOUSTIC MICROSCOPES

**SCAPULA**

- GS ANATOMY
  - MUSCULOSKELETAL SYSTEM
  - BONES
- RT **SCAPULA**
  - ARM (ANATOMY)
  - SHOULDERS

**SCAR PROGRAM**

- USE SUPERSONIC CRUISE AIRCRAFT RESEARCH

**SCARFING**

- GS CUTTING
  - SCARFING**
- RT CLEANING
  - GRINDING (MATERIAL REMOVAL)
  - METAL CUTTING

**SCARFING—(CONT.)**

- SLICING

**SCARPS**

- USE ESCARPMENTS

**SCARS**

- GS TISSUES (BIOLOGY)
- SCARS

**SCARS (GEOLOGY)**

- USE EROSION

**SCAT**

- USE SUPERSONIC COMMERCIAL AIR TRANSPORT

**SCATHA SATELLITE**

- UF P78-2 SATELLITE
- GS ARTIFICIAL SATELLITES
  - SCATHA SATELLITE**
- RT  $\infty$  CHARGING
  - ELECTRIC CHARGE
  - ELECTROMAGNETIC INTERFERENCE
  - ELECTROSTATIC CHARGE
  - ELECTROSTATIC PROBES
  - ELECTROSTATIC SHIELDING
  - HIGH ENERGY ELECTRONS

**SCATTER PLATES (OPTICS)**

- GS OPTICAL EQUIPMENT
  - SCATTER PLATES (OPTICS)**
- RT BEAM SPLITTERS
  - COHERENT LIGHT
  - HOLOGRAPHIC INTERFEROMETRY
  - HOLOGRAPHY
  - INTERFEROMETRY
  - LIGHT SCATTERING
- $\infty$  OPTICS
  - PLATES
  - SPECKLE HOLOGRAPHY
  - SPECKLE INTERFEROMETRY

**SCATTER PROPAGATION**

- GS TRANSMISSION
  - ELECTROMAGNETIC WAVE
  - TRANSMISSION
- SCATTER PROPAGATION**
  - IONOSPHERIC F-SCATTER
  - PROPAGATION
  - WAVE PROPAGATION
- SCATTER PROPAGATION**
  - IONOSPHERIC F-SCATTER
  - PROPAGATION
- RT BACKSCATTERING
  - FORWARD SCATTERING
  - IONOSPHERIC PROPAGATION
  - METEOR TRAILS
  - RADIO RECEPTION
  - RADIO SCATTERING
  - RADIO TRANSMISSION
  - RADIO WAVES

**SCATTERERS**

- USE SCATTERING

**SCATTERING**

- UF SCATTERERS
- GS **SCATTERING**
  - BACKSCATTERING
  - COHERENT SCATTERING
  - COMPTON EFFECT
  - ELASTIC SCATTERING
  - ELECTRON SCATTERING
  - ELECTRON RUNAWAY (PLASMA PHYSICS)
  - FORWARD SCATTERING
  - INCOHERENT SCATTERING
  - INELASTIC SCATTERING
  - INVERSE SCATTERING
  - ION SCATTERING
  - NUCLEAR SCATTERING
  - NEUTRON SCATTERING
  - RESONANCE SCATTERING
  - NUCLEON-NUCLEON SCATTERING
  - PROTON SCATTERING
  - RADAR SCATTERING
  - WAVE SCATTERING
  - ACOUSTIC SCATTERING
  - REVERBERATION
  - ATMOSPHERIC SCATTERING
  - TROPOSPHERIC SCATTERING
  - ELECTROMAGNETIC SCATTERING

## SCATTERING AMPLITUDE

### SCATTERING-(CONT.)

... IONOSPHERIC F-SCATTER  
 ... PROPAGATION  
 ... LIGHT SCATTERING  
 ... HALOS  
 ... MICROWAVE SCATTERING  
 ... MIE SCATTERING  
 ... RAYLEIGH SCATTERING  
 ... RAMAN SPECTRA  
 ... THOMSON SCATTERING  
 ... X RAY SCATTERING  
 RT ATOMIC COLLISIONS  
 BISTATIC REFLECTIVITY  
 CIRCUMSOLAR RADIATION  
 COLLISION PARAMETERS  
 COLLISIONS  
 DEEP SCATTERING LAYERS  
 DEFLECTION  
 DIFFUSION  
 DISPERSING  
 ELECTROMAGNETIC RADIATION  
 ENCOUNTERS  
 HUYGENS PRINCIPLE  
 IMPINGEMENT  
 INCIDENT RADIATION  
 INELASTIC COLLISIONS  
 MEAN FREE PATH  
 PARTICLE COLLISIONS  
 POMERONS  
 REFLECTION  
 RELEASING  
 SCATTEROMETERS  
 SHOCK WAVE INTERACTION  
 SPREAD REFLECTION  
 SPREADING  
 SPRINKLING  
 STATISTICAL DISTRIBUTIONS  
 TRANSMITTANCE  
 WAVE DEGRADATION  
 WAVE DISPERSION  
 WAVE INTERACTION

### SCATTERING AMPLITUDE

GS AMPLITUDES  
 . SCATTERING AMPLITUDE  
 RT FADDEEV EQUATIONS  
 MANDELSTAM REPRESENTATION  
 WAVE SCATTERING

### SCATTERING COEFFICIENTS

GS COEFFICIENTS  
 . SCATTERING COEFFICIENTS  
 RT ABSORPTIVITY  
 ATTENUATION COEFFICIENTS  
 FORM FACTORS

### SCATTERING CROSS SECTIONS

RT ABSORPTION CROSS SECTIONS  
 BARYON RESONANCE  
 BORN APPROXIMATION  
 ∞ CROSS SECTIONS  
 ELECTRON RUNAWAY (PLASMA  
 PHYSICS)  
 IONIZATION CROSS SECTIONS  
 NEUTRON CROSS SECTIONS  
 POMERANCHUK THEOREM  
 POMERONS  
 RAMSAUER EFFECT  
 REGGE POLES  
 S MATRIX THEORY  
 STOPPING POWER

### SCATTERING FUNCTIONS

RT FLUX DENSITY  
 ∞ FUNCTIONS  
 RADIANT FLUX DENSITY

### SCATTERING MATRIX

USE S MATRIX THEORY

### SCATTEROMETERS

GS MEASURING INSTRUMENTS  
 . SCATTEROMETERS  
 RT ∞ INSTRUMENTS  
 MICROWAVE SCATTERING  
 MICROWAVES  
 RADAR  
 RADAR SCATTERING  
 SCATTERING  
 WAVE SCATTERING

### SCAVENGING

RT CLEANING  
 DEGASSING  
 DEOXIDIZING

### SCAVENGING-(CONT.)

PURIFICATION

### SCCF

USE SOLAR CELL CALIBRATION FACILITY

### SCENE ANALYSIS

GS DATA PROCESSING  
 . OPTICAL DATA PROCESSING  
 . SCENE ANALYSIS  
 RT CHANGE DETECTION  
 CHARACTER RECOGNITION  
 FEATURE IDENTIFICATION AND  
 LOCATION EXPER  
 IMAGE ANALYSIS  
 IMAGERY  
 IMAGING TECHNIQUES  
 VIDEO LANDMARK ACQUISITION AND  
 TRACKING

### SCENEDESMUS

GS PLANTS (BOTANY)  
 . ALGAE  
 . SCENEDESMUS

### SCF

USE SELF CONSISTENT FIELDS

### SCHACH EFFECT

RT CELESTIAL MECHANICS  
 ∞ EFFECTS  
 ORBIT PERTURBATION  
 PERTURBATION  
 SATELLITE PERTURBATION

### SCHAUDER FIXPOINT THEOREM

GS THEOREMS  
 . SCHAUDER FIXPOINT THEOREM  
 RT COMPLEX VARIABLES  
 DIFFERENTIAL EQUATIONS

### SCHEDULES

GS SCHEDULES  
 . COUNTDOWN  
 RT CONTRACT MANAGEMENT  
 PRECISION  
 PREDICTIONS  
 PRODUCTION PLANNING  
 TIME  
 TIME LAG  
 TURNAROUND (STS)

### SCHEDULING

GS SCHEDULING  
 . PREDICTION ANALYSIS TECHNIQUES  
 RT CALENDARS  
 CONSECUTIVE EVENTS  
 CONTINUITY  
 ∞ CONTROL  
 CROP CALENDARS  
 DECISION THEORY  
 FORECASTING  
 FORMALISM  
 LATENESS  
 MATHEMATICAL MODELS  
 MATRIX MANAGEMENT  
 MISSION PLANNING  
 OPTIMIZATION  
 PRODUCTION ENGINEERING  
 QUALITY CONTROL  
 SEQUENCING  
 TASK COMPLEXITY  
 TASKS  
 TIME SERIES ANALYSIS

### SCHEELITE

GS CALCIUM COMPOUNDS  
 . SCHEELITE  
 CHALCOGENIDES  
 . OXIDES  
 . . METAL OXIDES  
 . . . TUNGSTEN OXIDES  
 . . . SCHEELITE  
 MINERALS  
 . SCHEELITE  
 TUNGSTEN COMPOUNDS  
 . TUNGSTEN OXIDES  
 . . SCHEELITE

### SCHULKUNOFF PRINCIPLE

RT ANTENNA RADIATION PATTERNS  
 HORN ANTENNAS  
 HUYGENS PRINCIPLE  
 REFLECTOMETERS

### SCHULKUNOFF PRINCIPLE-(CONT.)

REFLECTORS

### SCHEMATICS

USE CIRCUIT DIAGRAMS

### SCHIFF BASES

USE IMINES

### SCHIST

GS ROCKS  
 . SCHIST  
 RT LIMESTONE  
 SANDSTONES

### SCHIZOPHRENIA

GS PSYCHOSES  
 . SCHIZOPHRENIA  
 RT ∞ DEPRESSION  
 IRRATIONALITY  
 MENTAL HEALTH

### SCHLEICHER AIRCRAFT

RT ∞ AIRCRAFT

### SCHLEICHER KA-6 SAILPLANE

USE KA-6 SAILPLANES

### SCHLIEN PHOTOGRAPHY

GS IMAGERY  
 . SHADOWGRAPH PHOTOGRAPHY  
 . . SCHLIEN PHOTOGRAPHY  
 PHOTOGRAPHY  
 . SHADOWGRAPH PHOTOGRAPHY  
 . . SCHLIEN PHOTOGRAPHY  
 RT BLACK AND WHITE PHOTOGRAPHY  
 DIFFERENTIAL INTERFEROMETRY  
 FLOW VISUALIZATION  
 MACH-ZEHNDER INTERFEROMETERS  
 MOIRE EFFECTS

### SCHMIDT CAMERAS

GS OPTICAL EQUIPMENT  
 . CAMERAS  
 . . SCHMIDT CAMERAS  
 PHOTOGRAPHIC EQUIPMENT  
 . CAMERAS  
 . . SCHMIDT CAMERAS  
 RT ASTRONOMICAL PHOTOGRAPHY  
 BAKER-NUNN CAMERA  
 TELESCOPES

### SCHMIDT METHOD

RT DIFFERENTIAL EQUATIONS  
 INTEGRAL EQUATIONS  
 ∞ METHODOLOGY  
 REAL VARIABLES

### SCHMIDT NUMBER

GS RATIOS  
 . DIMENSIONLESS NUMBERS  
 . . SCHMIDT NUMBER  
 RT NUSSELT NUMBER  
 PRANDTL NUMBER

### SCHMIDT TELESCOPES

GS TELESCOPES  
 . SCHMIDT TELESCOPES  
 RT REFLECTING TELESCOPES

### SCHOOLS

RT EDUCATION  
 INSTRUCTORS  
 TRAINING EVALUATION  
 UNIVERSITIES

### SCHOOLS (FISH)

GS ANIMALS  
 . VERTEBRATES  
 . . FISHES  
 . . . SCHOOLS (FISH)  
 RT ICHTHOLOGY

### SCHOTTKY BARRIER DIODES

USE SCHOTTKY DIODES

### SCHOTTKY DIODES

UF SCHOTTKY BARRIER DIODES  
 GS ELECTRONIC EQUIPMENT  
 . DIODES  
 . . SEMICONDUCTOR DIODES  
 . . . SCHOTTKY DIODES  
 . . . SOLID STATE DEVICES  
 . . SEMICONDUCTOR DEVICES

## SCIENTIFIC SATELLITES

### SCHOTTKY DIODES-(CONT.)

... **SCHOTTKY DIODES**  
 RT ∞ BARRIERS  
   BARRITT DIODES  
   GALLIUM ARSENIDES  
   MSM (SEMICONDUCTORS)  
   N-TYPE SEMICONDUCTORS  
   SEMICONDUCTOR JUNCTIONS  
   SILICON  
   SIS (SEMICONDUCTORS)  
   WORK FUNCTIONS  
   ZINC SELENIDES

### SCHOTTKY EFFECT

USE WORK FUNCTIONS

### SCHREIBERSITE

GS IRON COMPOUNDS  
   **SCHREIBERSITE**  
   MINERALS  
   **SCHREIBERSITE**  
   NICKEL COMPOUNDS  
   **SCHREIBERSITE**  
   PHOSPHORUS COMPOUNDS  
   PHOSPHIDES  
   **SCHREIBERSITE**  
 RT IRON METEORITES  
   METEORITIC COMPOSITION  
   STONY METEORITES

### SCHROEDINGER EQUATION

GS WAVE EQUATIONS  
   **SCHROEDINGER EQUATION**  
 RT ∞ EQUATIONS  
   WENTZEL-KRAMER-BRILLOUIN METHOD

### SCHULER TUNING

GS TUNING  
   **SCHULER TUNING**  
 RT GYROSCOPIC PENDULUMS  
   GYROSCOPIC STABILITY  
   INERTIAL NAVIGATION

### SCHUMANN-RUNGE BANDS

GS SPECTRA  
   SPECTRAL BANDS  
   **SCHUMANN-RUNGE BANDS**  
 RT ABSORPTION SPECTRA  
   ∞ BANDS  
   EMISSION SPECTRA  
   HERZBERG BANDS  
   OXYGEN  
   QUANTUM THEORY

### SCHWARTZ INEQUALITY

GS INEQUALITIES  
   **SCHWARTZ INEQUALITY**  
 RT ALGEBRA  
   LINEAR TRANSFORMATIONS  
   VECTORS (MATHEMATICS)

### SCHWARTZ METHOD

GS ANALYSIS (MATHEMATICS)  
   NUMERICAL ANALYSIS  
   APPROXIMATION  
   **SCHWARTZ METHOD**  
   STRESS ANALYSIS  
   **SCHWARTZ METHOD**  
 RT ∞ METHODOLOGY

### SCHWARZ-CHRISTOFFEL TRANSFORMATION

GS ANALYSIS (MATHEMATICS)  
   COMPLEX VARIABLES  
   **SCHWARZ-CHRISTOFFEL TRANSFORMATION**  
   FUNCTIONS (MATHEMATICS)  
   **SCHWARZ-CHRISTOFFEL TRANSFORMATION**  
 RT CONFORMAL MAPPING

### SCHWARZSCHILD ANTENNAS

GS ANTENNAS  
   **SCHWARZSCHILD ANTENNAS**  
 RT HORNS  
   PARABOLIC REFLECTORS  
   RADAR ANTENNAS  
   RADIO ANTENNAS

### SCHWARZSCHILD METRIC

RT BIMETRIC THEORIES  
   COORDINATE TRANSFORMATIONS  
   ESCAPE VELOCITY  
   GRAVITATIONAL FIELDS  
   IONIZATION

### SCHWARZSCHILD METRIC-(CONT.)

LIGHT SPEED  
 ORBITALS  
 ORBITS  
 RELATIVITY

### SCHWASSMANN-WACHMANN COMET

GS CELESTIAL BODIES  
   COMETS  
   **SCHWASSMANN-WACHMANN COMET**

### SCIATIC REGION

GS ANATOMY  
   **SCIATIC REGION**  
   REGIONS  
 RT **SCIATIC REGION**  
   HUMAN BODY  
   LUMBAR REGION  
   MUSCULOSKELETAL SYSTEM  
   NERVES  
   SPINE

### SCIENCE

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)*

RT ACOUSTICS  
   AEROACOUSTICS  
   AERODYNAMICS  
 ∞ AERONAUTICS  
   AEROSPACE MEDICINE  
   AEROTHERMODYNAMICS  
   ALGEBRA  
   ANTHROPOLOGY  
   ASTRODYNAMICS  
   ASTRONOMY  
   ASTROPHYSICS  
   ATMOSPHERIC PHYSICS  
   ATOMIC PHYSICS  
   BIOACOUSTICS  
   BIOASTRONAUTICS  
   BIODYNAMICS  
 ∞ BIOLOGY  
   BIOPHYSICS  
   BOTANY  
   CLOUD PHYSICS  
   COMBUSTION PHYSICS  
   COMPUTATIONAL ASTROPHYSICS  
   ELECTROPHYSICS  
   ELECTROPHYSIOLOGY  
   ENTOMOLOGY  
   FLUID DYNAMICS  
   FLUID MECHANICS  
   GEOLOGY  
   GEOMETRY  
   GEOPHYSICS  
   HEALTH PHYSICS  
   HELIOSEISMOLOGY  
   HYDROGEOLOGY  
   HYDROMECHANICS  
   LIFE SCIENCES  
   LOW TEMPERATURE PHYSICS  
   MARINE BIOLOGY  
   MARINE CHEMISTRY  
   MARINE METEOROLOGY  
 ∞ MATERIALS SCIENCE  
 ∞ MATHEMATICS  
 ∞ MECHANICS (PHYSICS)  
   MEDICAL SCIENCE  
 ∞ METALLURGY  
   METEOROLOGY  
 ∞ MOLECULAR PHYSICS  
   NEUROPHYSIOLOGY  
   NEUTRON PHYSICS  
   NUCLEAR PHYSICS  
   OCEANOGRAPHY  
 ∞ OPTICS  
 ∞ PHYSICAL SCIENCES  
 ∞ PHYSICS  
   PHYSIOCHEMISTRY  
   PHYSIOLOGY  
   PLASMA PHYSICS  
   POLYMER PHYSICS  
   PSYCHOPHYSICS  
   PSYCHOPHYSIOLOGY  
   RADIO ASTRONOMY  
   RADIO PHYSICS  
   REACTOR PHYSICS  
   REENTRY PHYSICS  
   RESPIRATORY PHYSIOLOGY  
   SEISMOLOGY  
   SOLAR DIAMETER  
   SOLAR PHYSICS  
   SOLID MECHANICS  
 ∞ SOLID STATE PHYSICS

### SCIENCE-(CONT.)

STELLAR PHYSICS  
 SUNRISE  
 SUNSET  
 TAXONOMY  
 THEORETICAL PHYSICS  
 TRIGONOMETRY  
 UNDERWATER PHYSIOLOGY  
 ∞ ZOOLOGY

### SCIENTIFIC INSTRUMENT MODULES

USE SIM

### SCIENTIFIC SATELLITES

GS ARTIFICIAL SATELLITES  
   **SCIENTIFIC SATELLITES**  
   AMPTE (SATELLITES)  
   ASTRONOMICAL SATELLITES  
   GAMMA RAY OBSERVATORY  
   HUBBLE SPACE TELESCOPE  
   SPACE INFRARED TELESCOPE FACILITY  
   X RAY ASTROPHYSICS FACILITY  
   ATS  
   ATS 1  
   ATS 2  
   ATS 3  
   ATS 4  
   ATS 5  
   ATS 6  
   ATS 7  
   ATS 8  
   AZUR SATELLITE  
   CANNONBALL 2 SATELLITE  
   DIAL SATELLITE  
   ENVIRONMENTAL RESEARCH SATELLITES  
   ERS 17  
   ERS 18  
   INTASAT SATELLITE  
   EXOS SATELLITES  
   EXOS-A SATELLITE  
   EXOS-B SATELLITE  
   EXOS-C SATELLITE  
   EXOSAT SATELLITE  
   EXPLORER SATELLITES  
   APPLICATIONS EXPLORER SATELLITES  
   COSMIC BACKGROUND EXPLORER SATELLITE  
   DUAL AIR DENSITY EXPLORER  
   DYNAMICS EXPLORER SATELLITES  
   DYNAMICS EXPLORER 1 SATELLITE  
   DYNAMICS EXPLORER 2 SATELLITE  
   EXPLORER 1 SATELLITE  
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   EXPLORER 40 SATELLITE

## SCIENTISTS

### SCIENTIFIC SATELLITES-(CONT.)

... EXPLORER 41 SATELLITE  
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 ... EXPLORER 53 SATELLITE  
 ... EXPLORER 54 SATELLITE  
 ... EXPLORER 55 SATELLITE  
 ... EXTREME ULTRAVIOLET EXPLOREH  
 SATELLITE  
 ... FAR UV SPECTROSCOPIC  
 EXPLORER  
 ... IMP  
 ... INTERNATIONAL MAGNETOSPHERIC  
 EXPLORER  
 ... INTERNATIONAL SUN EARTH  
 EXPLORERS  
 ... INTERNATIONAL SUN EARTH  
 EXPLORER 1  
 ... INTERNATIONAL SUN EARTH  
 EXPLORER 2  
 ... INTERNATIONAL SUN EARTH  
 EXPLORER 3  
 ... MICROMETEOROID EXPLORER  
 SATELLITES  
 ... RADIO ASTRONOMY EXPLORER  
 SATELLITE  
 ... SOLAR MESOSPHERE EXPLORER  
 ... UHURU SATELLITE  
 ... X RAY TIMING EXPLORER  
 ... GEOPOTENTIAL RESEARCH MISSION  
 HAWKEYE SATELLITES  
 ... LONG DURATION EXPOSURE  
 FACILITY  
 ... LZEEBE SATELLITE  
 ... MAGSAT A SATELLITE  
 ... MAGSAT B SATELLITE  
 ... MAGSAT SATELLITES  
 ... MAGSAT 1 SATELLITE  
 ... ORBIS  
 ... ORBIS CAL SATELLITE  
 ... OV-1 SATELLITES  
 ... OV-2 SATELLITES  
 ... OV-3 SATELLITES  
 ... OV-4 SATELLITES  
 ... OV-5 SATELLITES  
 ... SMALL SCIENTIFIC SATELLITES  
 ... UK SATELLITES  
 ... UK 4 SATELLITE  
 RT CANADIAN SPACE PROGRAM  
 ESRO 4 SATELLITE  
 TECHNOLOGY FEASIBILITY SPACECRAFT

### SCIENTISTS

GS MANPOWER  
 ... SCIENTISTS  
 PERSONNEL  
 ... SCIENTISTS  
 RT AWARDS

### SCIMITAR AIRCRAFT

UF VICKERS SCIMITAR AIRCRAFT  
 GS ATTACK AIRCRAFT  
 ... FIGHTER AIRCRAFT  
 ... SCIMITAR AIRCRAFT  
 BAC AIRCRAFT  
 ... SCIMITAR AIRCRAFT  
 JET AIRCRAFT  
 ... SCIMITAR AIRCRAFT  
 MONOPLANES  
 ... SCIMITAR AIRCRAFT  
 RT ∞ AIRCRAFT

### SCINTILLATION

RT GLINT  
 PHOSPHORESCENCE

### SCINTILLATION COUNTERS

UF SCINTILLATORS  
 SCINTILLOMETERS  
 GS MEASURING INSTRUMENTS  
 ... COUNTERS  
 ... RADIATION COUNTERS  
 ... SCINTILLATION COUNTERS  
 ... RADIATION MEASURING INSTRUMENTS  
 ... RADIATION COUNTERS  
 ... SCINTILLATION COUNTERS  
 RT CERENKOV COUNTERS

### SCINTILLATION COUNTERS-(CONT.)

NEUTRON COUNTERS  
 PARTICLE TELESCOPES  
 PHOTOMULTIPLIER TUBES  
 PHOTOPEAK

### SCINTILLATORS

USE SCINTILLATION COUNTERS

### SCINTILLOMETERS

USE SCINTILLATION COUNTERS

### SCISSION

USE CLEAVAGE

### SCOOPS

RT AIR INTAKES  
 CONVEYORS  
 DUCTS  
 INTAKE SYSTEMS  
 NOSE INLETS  
 SIDE INLETS  
 ∞ WATER INTAKES

### SCOPOLAMINE

USE HYOSCINE

### SCORE OMNIRANGE

USE SELF CALIBRATING OMNIRANGE

### SCORE SATELLITE

GS ARTIFICIAL SATELLITES  
 ... SCORE SATELLITE

### SCORING

UF SCRIBING  
 RT ABRASION  
 DEFECTS  
 FRICTION  
 PITTING  
 WEAR

### SCORPIO CONSTELLATION

USE SCORPIUS CONSTELLATION

### SCORPIUS CONSTELLATION

UF SCORPIO CONSTELLATION  
 GS CONSTELLATIONS  
 ... SCORPIUS CONSTELLATION  
 RT ZODIAC

### SCOTCHLITE (TRADEMARK)

RT MEMBRANE STRUCTURES  
 REFRACTORY MATERIALS

### SCOTLAND

GS NATIONS  
 ... UNITED KINGDOM  
 ... SCOTLAND

### SCOUT HELICOPTER

USE P-531 HELICOPTER

### SCOUT LAUNCH VEHICLE

GS LAUNCH VEHICLES  
 ... SCOUT LAUNCH VEHICLE  
 ROCKET VEHICLES  
 ... MULTISTAGE ROCKET VEHICLES  
 ... SCOUT LAUNCH VEHICLE  
 RT ALGOL ENGINE

EXPLORER 9 SATELLITE  
 EXPLORER 16 SATELLITE  
 EXPLORER 19 SATELLITE  
 EXPLORER 20 SATELLITE  
 EXPLORER 22 SATELLITE  
 EXPLORER 23 SATELLITE  
 EXPLORER 24 SATELLITE  
 EXPLORER 25 SATELLITE  
 EXPLORER 27 SATELLITE  
 EXPLORER 30 SATELLITE  
 EXPLORER 37 SATELLITE  
 EXPLORER 39 SATELLITE  
 EXPLORER 40 SATELLITE  
 SAN MARCO SATELLITES  
 SOLID PROPELLANT ROCKET ENGINES  
 TX-354 ENGINE  
 X-248 ENGINE  
 X-254 ENGINE  
 X-258 ENGINES  
 X-259 ENGINE  
 XM-33 ENGINE

### SCOUT PROJECT

GS PROGRAMS

### SCOUT PROJECT-(CONT.)

... NASA PROGRAMS  
 ... NASA SPACE PROGRAMS  
 ... SCOUT PROJECT  
 ... PROJECTS  
 ... SCOUT PROJECT  
 ... SPACE PROGRAMS  
 ... NASA SPACE PROGRAMS  
 ... SCOUT PROJECT  
 RT ∞ BOOSTERS  
 EXPLORER SATELLITES  
 LAUNCH VEHICLES

### SCPC TRANSMISSION

USE SINGLE CHANNEL PER CARRIER  
 TRANSMISSION

### SCR (RECTIFIERS)

USE SILICON CONTROLLED RECTIFIERS

### ∞ SCRAM

SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)  
 RT MISSILES  
 SHUTDOWNS  
 SUPERSONIC COMBUSTION RAMJET  
 ENGINES

### SCRAMBLING (COMMUNICATION)

RT INTELLIGIBILITY  
 SECURITY  
 SIGNAL DISTORTION  
 SIGNAL ENCODING  
 VOCODERS  
 VOICE COMMUNICATION

### SCRAMJET ENGINES

USE SUPERSONIC COMBUSTION RAMJET  
 ENGINES

### SCRAMJETS

USE SUPERSONIC COMBUSTION RAMJET  
 ENGINES

### SCRAP

RT CHIPS  
 DEBRIS  
 METAL PARTICLES  
 WASTES

### SCRAPERS

RT CUTTERS  
 FILES (TOOLS)  
 HONING  
 ∞ SEPARATION

### SCREEN EFFECT

RT ∞ COMA  
 DIELECTRICS  
 EARTH MAGNETOSPHERE  
 ∞ EFFECTS  
 ELECTROMAGNETIC WAVE FILTERS  
 ELECTROMAGNETIC WAVE  
 TRANSMISSION  
 ELECTRON GAS  
 SEMICONDUCTORS (MATERIALS)  
 WAVE PROPAGATION

### ∞ SCREENING

SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)  
 RT FILTRATION  
 FINES  
 LOUVERS  
 SELECTION  
 WATER TREATMENT

### ∞ SCREENS

SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)  
 RT CURTAINS  
 DISPLAY DEVICES  
 PROTECTORS  
 SHIELDING  
 SIZING SCREENS  
 WIRE CLOTH

### SCREW DISLOCATIONS

GS DEFECTS  
 ... CRYSTAL DEFECTS  
 ... CRYSTAL DISLOCATIONS

**SCREW DISLOCATIONS-(CONT.)**

... **SCREW DISLOCATIONS**  
 DISLOCATIONS (MATERIALS)  
 . CRYSTAL DISLOCATIONS  
 . **SCREW DISLOCATIONS**  
 RT EDGE DISLOCATIONS

**SCREW PINCH**

GS PINCH EFFECT  
 . PLASMA PINCH  
 . **SCREW PINCH**  
 RT MAGNETIC FIELDS  
 MAGNETOHYDRODYNAMIC FLOW  
 PLASMA CONTROL  
 REVERSE FIELD PINCH  
 THETA PINCH  
 ZETA PINCH

**SCREWS**

SN (EXCLUDES PROPELLERS AND CRYSTAL DEFECTS)  
 GS FASTENERS  
 . **SCREWS**  
 RT ANCHORS (FASTENERS)  
 BOLTS  
 COUPLINGS  
 HOLDERS  
 NUTS (FASTENERS)  
 STUDS (STRUCTURAL MEMBERS)  
 THREADS

**SCRIBING**

USE SCORING

**SCRUBBERS**

RT CLEANING  
 COLUMNS (PROCESS ENGINEERING)  
 FLUE GASES  
 WASHING

**SCRUBBING**

USE WASHING

**SCRUBS (BOTANY)**

USE BRUSH (BOTANY)

**SCUTUM CONSTELLATION**

GS CONSTELLATIONS  
 . **SCUTUM CONSTELLATION**  
 RT ZODIAC

**SCYLLA**

GS PLASMA GENERATORS  
 . **SCYLLA**  
 RT MAGNETIC FIELDS  
 MAGNETIC MIRRORS  
 MAGNETIC VARIATIONS  
 PLASMAS (PHYSICS)  
 THERMONUCLEAR REACTIONS

**SDP (COMPUTERS)**

USE SITE DATA PROCESSORS

**SDS 900 SERIES COMPUTERS**

GS DATA PROCESSING EQUIPMENT  
 . COMPUTERS  
 . . DIGITAL COMPUTERS  
 . . **SDS 900 SERIES COMPUTERS**  
 . . . SDS 930 COMPUTER

**SDS 930 COMPUTER**

GS DATA PROCESSING EQUIPMENT  
 . COMPUTERS  
 . . DIGITAL COMPUTERS  
 . . . SDS 900 SERIES COMPUTERS  
 . . . **SDS 930 COMPUTER**

**SDS 9300 COMPUTER**

GS DATA PROCESSING EQUIPMENT  
 . COMPUTERS  
 . . DIGITAL COMPUTERS  
 . . . **SDS 9300 COMPUTER**

**SDV**

USE SHUTTLE DERIVED VEHICLES

**SE-A**

USE EXPLORER 30 SATELLITE

**SE-210 AIRCRAFT**

UF CARAVELLE AIRCRAFT  
 SUD AVIATION SE-210 AIRCRAFT  
 GS COMMERCIAL AIRCRAFT  
 . **SE-210 AIRCRAFT**

**SE-210 AIRCRAFT-(CONT.)**

JET AIRCRAFT  
 . TURBOFAN AIRCRAFT  
 . **SE-210 AIRCRAFT**  
 MONOPLANES  
 . **SE-210 AIRCRAFT**  
 PASSENGER AIRCRAFT  
 . **SE-210 AIRCRAFT**  
 SUD AVIATION AIRCRAFT  
 . **SE-210 AIRCRAFT**  
 RT  $\infty$  AIRCRAFT

**SE-3160 HELICOPTER**

UF ALOUETTE 3 HELICOPTER  
 SUD AVIATION SE-3160 HELICOPTER  
 GS SUD AVIATION AIRCRAFT  
 . ALOUETTE HELICOPTERS  
 . . **SE-3160 HELICOPTER**  
 V/STOL AIRCRAFT  
 . ROTARY WING AIRCRAFT  
 . . HELICOPTERS  
 . . . ALOUETTE HELICOPTERS  
 . . . . **SE-3160 HELICOPTER**

**SEA BREEZE**

GS WIND (METEOROLOGY)  
 . **SEA BREEZE**  
 RT AEROLOGY  
 AIR CURRENTS  
 ATMOSPHERIC CIRCULATION  
 BAROTROPIC FLOW  
 CLIMATOLOGY  
 GEOSTROPHIC WIND  
 GUSTS  
 MARINE ENVIRONMENTS  
 METEOROLOGY  
 MONSOONS  
 OFFSHORE ENERGY SOURCES  
 TIDAL WAVES  
 WIND DIRECTION  
 WIND EFFECTS  
 WIND EROSION  
 WIND MEASUREMENT  
 WINDPOWER UTILIZATION  
 WINDS ALOFT

**SEA GRASSES**

GS PLANTS (BOTANY)  
 . GRASSES  
 . **SEA GRASSES**  
 RT MARINE BIOLOGY  
 OCEANOGRAPHY  
 SEAWEEDS  
 VEGETATION  
 WETLANDS

**SEA ICE**

UF ICE PACKS  
 GS ICE  
 . **SEA ICE**  
 . . ICE FLOES  
 . . ICEBERGS  
 . . PRESSURE ICE  
 RT AIR SEA ICE INTERACTIONS  
 BAY ICE  
 FREEZING  
 GLACIAL DRIFT  
 GLACIERS  
 ICE ENVIRONMENTS  
 ICE FORMATION  
 ICE MAPPING  
 LAKE ICE  
 LAND ICE  
 NUNATAKS  
 OCEANOGRAPHY

**SEA KEEPING**

RT ATTITUDE GYROS  
 DAMPING  
 GYROSCOPIC STABILITY  
 GYROSTABILIZERS  
 MOTION STABILITY  
 $\infty$  STABILIZERS  
 TORQUERS

**SEA KING HELICOPTER**

USE SH-3 HELICOPTER

**SEA KNIGHT HELICOPTER**

USE CH-46 HELICOPTER

**SEA LAUNCHING**

GS LAUNCHING  
 . **SEA LAUNCHING**  
 RT ANTISHIP MISSILES

**SEA LAUNCHING-(CONT.)**

ANTISHIP WARFARE  
 BALLISTIC MISSILE SUBMARINES  
 CATAPULTS  
 DRYDOCKS  
 FLEET BALLISTIC MISSILES  
 MISSILE LAUNCHERS  
 POSEIDON MISSILES  
 ROCKET LAUNCHERS  
 TORPEDOES  
 WATER TAKEOFF AND LANDING AIRCRAFT

**SEA LAW**

GS LAW (JURISPRUDENCE)  
 . INTERNATIONAL LAW  
 . . **SEA LAW**  
 RT  $\infty$  COOPERATION  
 INTERNATIONAL COOPERATION  
 RULES  
 UNITED NATIONS

**SEA LEVEL**

GS ALTITUDE  
 . **SEA LEVEL**  
 RT OCEAN SURFACE  
 OCEANOGRAPHY  
 SEA STATES

**SEA OF JAPAN**

GS SEAS  
 . **SEA OF JAPAN**  
 RT ASIA

**SEA OF OKHOTSK**

GS SEAS  
 . **SEA OF OKHOTSK**  
 RT PACIFIC OCEAN  
 U.S.S.R.

**SEA ROUGHNESS**

GS ROUGHNESS  
 . **SEA ROUGHNESS**  
 RT HYDRODYNAMIC COEFFICIENTS  
 OCEAN MODELS  
 OCEAN SURFACE  
 OCEANOGRAPHY  
 SURFACE WAVES  
 TIDAL WAVES  
 TIDE POWERED GENERATORS  
 TIDE POWERED MACHINES  
 TIDEPOWER  
 TIDES  
 TURBULENCE  
 WATER CURRENTS  
 WATER WAVES  
 WATERWAVE ENERGY CONVERSION  
 WATERWAVE POWERED MACHINES  
 WIND EFFECTS  
 WIND VELOCITY

**SEA STATES**

RT OCEAN MODELS  
 OCEAN SURFACE  
 OCEAN TEMPERATURE  
 OCEANOGRAPHIC PARAMETERS  
 OCEANOGRAPHY  
 SEA LEVEL  
 TOPEX  
 WATER CURRENTS  
 WATER WAVES  
 WIND EFFECTS

**SEA SURFACE TEMPERATURE**

GS OCEANOGRAPHIC PARAMETERS  
 . OCEAN TEMPERATURE  
 . . **SEA SURFACE TEMPERATURE**  
 TEMPERATURE  
 . WATER TEMPERATURE  
 . . OCEAN TEMPERATURE  
 . . . **SEA SURFACE TEMPERATURE**  
 RT AIR WATER INTERACTIONS  
 OCEAN SURFACE  
 OCEANOGRAPHY  
 SURFACE TEMPERATURE

**SEA TRUTH**

RT AERIAL PHOTOGRAPHY  
 COASTAL CURRENTS  
 IMAGERY  
 OCEAN SURFACE  
 OCEAN TEMPERATURE  
 PHOTOINTERPRETATION

## SEA URCHINS

### SEA URCHINS

GS ANIMALS  
    . INVERTEBRATES  
    . SEA URCHINS

### SEA WALLS

USE BREAKWATERS

### SEA WATER

GS WATER  
    . SEA WATER  
RT BRINES  
COASTAL WATER  
FISHERIES  
MARINE RESOURCES  
NEARSHORE WATER  
OCEAN SURFACE  
OCEAN TEMPERATURE  
OCEANOGRAPHY  
RED TIDE  
SALINITY  
SEAWEEDS  
THERMOCLINES  
UNDERWATER PHOTOGRAPHY  
UNDERWATER RESOURCES  
WATER RESOURCES

### SEAFARER PROJECT

UF GLOBAL COMMUNICATIONS ANTENNA  
GRID (NAVY)  
UNDERGROUND RADIO ANTENNA GRID  
(NAVY)  
GS PROGRAMS  
    . PROJECTS  
    . SEAFARER PROJECT  
RT EXTREMELY LOW FREQUENCIES  
RADIO TRANSMISSION  
SUBMARINES  
TELECOMMUNICATION  
UNDERWATER COMMUNICATION

### SEAHORSE HELICOPTER

USE UH-34 HELICOPTER

### SEALANTS

USE SEALERS

### SEALERS

UF SEALANTS  
RT ADHESIVES  
COATINGS  
DOPES  
FILLERS  
PACKAGING  
PACKINGS (SEALS)  
PAINTS  
SEALING  
SEALS (STOPPERS)  
SEAMS (JOINTS)  
SOLDERS  
VARNISHES

### SEALING

GS SEALING  
    . SELF SEALING  
RT ADHESION  
ADHESIVE BONDING  
BINDING  
BLOCKING  
BLOWERS  
BONDING  
BRAZING  
CAULKING  
CEMENTS  
CLAMPS  
CLOSING  
COATING  
COATINGS  
CONTAINMENT  
COVERINGS  
ENCAPSULATING  
GLANDS (SEALS)  
∞ JOINING  
LINING PROCESSES  
MOISTURE RESISTANCE  
∞ PACKING  
PACKINGS (SEALS)  
PLUGGING  
RETAINING  
RIVETING  
SEALERS  
SOLDERING  
SPRAYING  
STOPPING  
WATERPROOFING

### SEALING-(CONT.)

WELDING

### SEALS (ANIMALS)

GS ANIMALS  
    . VERTEBRATES  
    . MAMMALS  
    . MARINE MAMMALS  
    . SEALS (ANIMALS)  
RT MARINE BIOLOGY

### SEALS (STOPPERS)

GS SEALS (STOPPERS)  
    . GASKETS  
    . GLANDS (SEALS)  
    . HERMETIC SEALS  
    . LABYRINTH SEALS  
    . O RING SEALS  
    . PACKINGS (SEALS)  
    . PLUGS  
    . PUMP SEALS  
RT AIR LOCKS  
BARRIER LAYERS  
∞ BARRIERS  
BLOCKING  
∞ CAPS  
CLOSURES  
CONSTRICTIONS  
CUFFS  
PLUGGING  
SEALERS  
SPHERICAL CAPS  
∞ TAPES  
VALVES

### SEAMOUNTS

RT CONTINENTAL SHELVES  
CREVASSES  
∞ FAULTS  
FOLDS (GEOLOGY)  
ISLANDS  
LANDFORMS  
OCEAN BOTTOM  
STRUCTURAL BASINS

### SEAMS (JOINTS)

GS JOINTS (JUNCTIONS)  
    . SEAMS (JOINTS)  
RT ADHESIVES  
FILLETS  
METAL JOINTS  
SEALERS

### SEAPLANES

GS WATER TAKEOFF AND LANDING  
    . AIRCRAFT  
    . SEAPLANES  
RT AMPHIBIOUS AIRCRAFT  
AMPHIBIOUS VEHICLES  
HULLS (STRUCTURES)  
MONOPLANES

### SEARCH AND RESCUE SATELLITE

USE SARSAT

### SEARCH FOR EXTRATERRESTRIAL INTELLIGENCE

USE PROJECT SETI

### SEARCH PROFILES

GS SEARCHING  
    . SEARCH PROFILES  
RT DATA RETRIEVAL  
INFORMATION RETRIEVAL  
∞ PROFILES

### SEARCH RADAR

GS RADAR  
    . SEARCH RADAR  
    . NORTH AMERICAN SEARCH AND  
RANGING RADAR  
    . OVER-THE-HORIZON RADAR  
RT AIRPORT SURFACE DETECTION  
EQUIPMENT  
COHERENT RADAR  
CONTINUOUS WAVE RADAR  
PULSE RADAR  
RADAR DETECTION  
RADAR TRACKING  
SATELLITE-BORNE RADAR  
SIDE-LOOKING RADAR  
SURVEILLANCE RADAR  
TRACKING RADAR  
TRADEX RADAR SYSTEM

### SEARCHING

GS SEARCHING  
    . SEARCH PROFILES  
RT CONICAL SCANNING  
COSPAS  
PANORAMIC SCANNING  
RECONNAISSANCE  
RETRIEVAL  
SARSAT  
SCANNING  
SELECTION

### SEARCHLIGHTS

GS LIGHTING EQUIPMENT  
    . LUMINAIRES  
    . SEARCHLIGHTS  
RT AIRPORT LIGHTS  
ARC LAMPS  
BEACONS  
PROJECTORS  
RUNWAY LIGHTS

### SEAS

GS SEAS  
    . ARABIAN SEA  
    . BALTIC SEA  
    . BARENTS SEA  
    . BEAUFORT SEA (NORTH AMERICA)  
    . BERING SEA  
    . BLACK SEA  
    . CARIBBEAN SEA  
    . CASPIAN SEA  
    . CHUKCHI SEA  
    . MEDITERRANEAN SEA  
    . ADRIATIC SEA  
    . NORTH SEA  
    . RED SEA  
    . SALTON SEA (CA)  
    . SEA OF JAPAN  
    . SEA OF OKHOTSK  
RT ARCHIPELAGOES  
COASTAL CURRENTS  
COASTS  
DEEP WATER  
EARTH HYDROSPHERE  
OCEAN TEMPERATURE  
OCEANOGRAPHY  
OCEANS  
SARGASSO SEA  
SEAWEEDS  
SHALLOW WATER  
SHOALS  
STRAITS  
THERMAL POLLUTION  
UNDERWATER PHOTOGRAPHY

### SEASAT PROGRAM

GS PROGRAMS  
    . NASA PROGRAMS  
    . NASA SPACE PROGRAMS  
    . EARTH RESOURCES PROGRAM  
    . EARTH RESOURCES SURVEY  
PROGRAM  
    . SEASAT PROGRAM  
    . SPACE PROGRAMS  
    . NASA SPACE PROGRAMS  
    . EARTH RESOURCES PROGRAM  
    . EARTH RESOURCES SURVEY  
PROGRAM  
    . SEASAT PROGRAM  
RT LANDSAT SATELLITES  
OCEANOGRAPHY

### SEASAT SATELLITES

GS ARTIFICIAL SATELLITES  
    . SEASAT SATELLITES  
    . SEASAT 1  
    . SEASAT-B SATELLITE  
RT LANDSAT SATELLITES  
NASA PROGRAMS  
OCEANOGRAPHY  
PROGRAMS  
SATELLITE ALTIMETRY  
SYNCHRONOUS EARTH OBSERVATORY  
SATELLITE

### SEASAT 1

GS ARTIFICIAL SATELLITES  
    . SEASAT SATELLITES  
    . SEASAT 1  
RT LANDSAT SATELLITES  
OCEANOGRAPHY  
PROGRAMS  
SEASAT-B SATELLITE

**SEASAT-B SATELLITE**

GS ARTIFICIAL SATELLITES  
 . SEASAT SATELLITES  
 . . SEASAT-B SATELLITE  
 RT LANDSAT SATELLITES  
 OCEANOGRAPHY  
 PROGRAMS  
 SEASAT 1

**SEASONAL VARIATIONS**

USE ANNUAL VARIATIONS

**SEASONS**

GS **SEASONS**  
 . AUTUMN  
 . SPRING (SEASON)  
 . SUMMER  
 . WINTER  
 RT ANNUAL VARIATIONS  
 CLIMATOLOGY  
 CROP CALENDARS  
 EQUINOXES  
 METEOROLOGY  
 SOLAR POSITION  
 SOLSTICES  
 WEATHER  
 WIND VARIATIONS

**SEASPRITE HELICOPTER**

USE UH-2 HELICOPTER

**SEAT BELTS**

GS SAFETY DEVICES  
 . SEAT BELTS  
 RT ∞ BELTS  
 HARNESSSES  
 SEATS

**SEATS**

UF BENCHES  
 CHAIRS  
 GS **SEATS**  
 . BARANY CHAIR  
 . EJECTION SEATS  
 . . FLYING EJECTION SEATS  
 RT COMFORT  
 COUCHES  
 CUSHIONS  
 HARNESSSES  
 ∞ LOUNGES  
 PILLOWS  
 RIDING QUALITY  
 SEAT BELTS  
 SITTING POSITION

**SEAWEEDS**

UF KELP  
 RT MARINE BIOLOGY  
 OCEANOGRAPHY  
 OCEANS  
 SEA GRASSES  
 SEA WATER  
 SEAS

**SEBACEOUS GLANDS**

GS ANATOMY  
 . GLANDS (ANATOMY)  
 . . SEBACEOUS GLANDS

**SEBACIC ACID**

GS ACIDS  
 . CARBOXYLIC ACIDS  
 . . FATTY ACIDS  
 . . . SEBACIC ACID  
 ORGANIC COMPOUNDS  
 . CARBOXYLIC ACIDS  
 . . FATTY ACIDS  
 . . . SEBACIC ACID

**SECONDARY BATTERIES**

USE STORAGE BATTERIES

**SECONDARY COSMIC RAYS**

UF MOLIERE FORMULA  
 GS IONIZING RADIATION  
 . COSMIC RAYS  
 . . SECONDARY COSMIC RAYS  
 RT ATMOSPHERIC RADIATION  
 COSMIC RAY ALBEDO  
 COSMIC RAY SHOWERS  
 ELECTRON DECAY RATE  
 ELECTRON PHOTON CASCADES  
 ELECTRON PRECIPITATION  
 PRIMARY COSMIC RAYS

**SECONDARY COSMIC RAYS-(CONT.)**

SINGLE EVENT UPSETS

**SECONDARY EMISSION**

GS EMISSION  
 . PARTICLE EMISSION  
 . . ELECTRON EMISSION  
 . . . SECONDARY EMISSION  
 RT DYNODES  
 ELECTRON IRRADIATION  
 FIELD EMISSION  
 MONOSCOPES  
 MULTIPACTOR DISCHARGES  
 PHOTOMULTIPLIER TUBES  
 TOWNSEND AVALANCHE

**SECONDARY FLOW**

GS FLUID FLOW  
 . VISCOUS FLOW  
 . . BOUNDARY LAYER FLOW  
 . . . SECONDARY FLOW  
 TRANSLATIONAL MOTION  
 . THREE DIMENSIONAL MOTION  
 . . THREE DIMENSIONAL FLOW  
 . . . SECONDARY FLOW  
 RT COMPRESSIBILITY EFFECTS  
 CORNER FLOW  
 THREE DIMENSIONAL BOUNDARY LAYER  
 VORTICES  
 VORTICITY

**SECONDARY INJECTION**

GS INJECTION  
 . SECONDARY INJECTION  
 RT FLUID INJECTION  
 SHOCK WAVE CONTROL  
 SHOCK WAVE PROPAGATION  
 SUPERSONIC FLOW  
 THRUST AUGMENTATION  
 THRUST VECTOR CONTROL

**SECONDARY RADAR**

GS RADAR  
 . SECONDARY RADAR  
 RT DISCRETE ADDRESS BEACON SYSTEM  
 INTERROGATION

**SECONDARY WAVES**

USE S WAVES

**SECRETIONS**

GS **SECRETIONS**  
 . ENDOCRINE SECRETIONS  
 . . HORMONES  
 . . . CORTICOSTEROIDS  
 . . . . ALDOSTERONE  
 . . . . HYDROXYCORTICOSTEROID  
 . . . . CORTISONE  
 . . . ESTROGENS  
 . . . HYPERTENSIN  
 . . . PITUITARY HORMONES  
 . . . . ADRENOCORTICOTROPIN (ACTH)  
 . . . PROSTAGLANDINS  
 . . . THYROXINE  
 . . INSULIN  
 . . SWEAT  
 RT BODY FLUIDS  
 GALL  
 GLANDS (ANATOMY)  
 HYDROGEN METABOLISM  
 METABOLISM  
 MINERAL METABOLISM  
 SKIN (ANATOMY)

**SECTIONS**

SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED-CONSULT THE TERMS  
 LISTED BELOW)  
 RT CATEGORIES  
 CLASSES  
 SUBDIVISIONS  
 SUBSIDIARIES

**SECTORS**

SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED-CONSULT THE TERMS  
 LISTED BELOW)  
 RT AREA  
 CIRCLES (GEOMETRY)  
 REGIONS

**SECULAR PERTURBATION**

USE LONG TERM EFFECTS

**SECULAR VARIATIONS**

GS VARIATIONS  
 . PERIODIC VARIATIONS  
 . . SECULAR VARIATIONS  
 RT ATMOSPHERIC PHYSICS  
 SOLAR ACTIVITY EFFECTS  
 SOLAR CYCLES  
 TELECONNECTIONS (METEOROLOGY)

**SECURITY**

GS **SECURITY**  
 . AIRPORT SECURITY  
 . . COMPUTER INFORMATION SECURITY  
 RT ∞ CLASSIFYING  
 COMPUTER PROGRAM INTEGRITY  
 CRIME  
 INTEGRITY  
 POLICE  
 PRIVACY  
 SCRAMBLING (COMMUNICATION)  
 SELECTIVE DISSEMINATION OF  
 INFORMATION  
 VULNERABILITY

**SEDATIVES**

GS DRUGS  
 . SEDATIVES  
 RT PENTOBARBITAL  
 PHENOBARBITAL  
 PSYCHOTROPIC DRUGS  
 TRANQUILIZERS

**SEDIMENT TRANSPORT**

RT MASS FLOW  
 MASS TRANSFER  
 SEDIMENTS

**SEDIMENTARY ROCKS**

GS ROCKS  
 . SEDIMENTARY ROCKS  
 . . CARBONACEOUS ROCKS  
 . . . COAL  
 . . . . ANTHRACITE  
 . . . . LIGNITE  
 . . . LIMESTONE  
 . . SANDSTONES  
 . . SHALES  
 RT ALLUVIUM  
 BRECCIA  
 CLAYS  
 DOLOMITE (MINERAL)  
 GYPSUM  
 IGNEOUS ROCKS  
 ∞ LAYERS  
 MONAZITE SANDS  
 PETROGRAPHY  
 SANDS  
 SEDIMENTS  
 SHATTER CONES  
 SOILS  
 STRATIGRAPHY

**SEDIMENTS**

UF SILTS  
 GS **SEDIMENTS**  
 . GRAVELS  
 . MUD  
 . SANDS  
 . . MONAZITE SANDS  
 . . TAR SANDS  
 RT ALLUVIUM  
 CLAYS  
 DEPOSITION  
 DEPOSITS  
 DREDGED MATERIALS  
 FANS (LANDFORMS)  
 GLACIAL DRIFT  
 GRIT  
 LITTORAL DRIFT  
 MARINE CHEMISTRY  
 OCEAN BOTTOM  
 PEAT  
 SEDIMENT TRANSPORT  
 SEDIMENTARY ROCKS  
 SEWAGE TREATMENT  
 SLUDGE

**SEEBECK COEFFICIENT**

USE SEEBECK EFFECT

**SEEBECK EFFECT**

UF SEEBECK COEFFICIENT  
 RT ∞ EFFECTS  
 PELTIER EFFECTS  
 TEMPERATURE EFFECTS



## SEEDING (INOCULATION)

### SEEBECK EFFECT-(CONT.)

THERMOCOUPLES  
THERMODYNAMIC PROPERTIES  
THERMOELECTRICITY  
THERMOPHYSICAL PROPERTIES  
TRANSPORT PROPERTIES

### SEEDING (INOCULATION)

USE INOCULATION

### SEEDS

RT ALFALFA  
BARLEY  
CITRUS TREES  
CORN  
EMBRYOS  
FARM CROPS  
GRAINS (FOOD)  
NUTS (FRUITS)  
OATS  
PLANTING  
PLANTS (BOTANY)  
SUGAR BEETS  
SUGAR CANE  
UTRICLE  
VEGETABLES  
VIABILITY

### SEEKERS

USE HOMING DEVICES

### SEEPAGE

RT CANALS  
DRAINAGE  
FLOOD DAMAGE  
FLOW NETS  
HYDRODYNAMICS  
INTRUSION  
IRRIGATION  
LEAKAGE  
LOSSES  
OFFSHORE ENERGY SOURCES  
PENETRATION  
PERCOLATION  
PERMEABILITY  
PIEZOMETERS  
WATER CONSUMPTION

### SEGMENTS

RT CIRCLES (GEOMETRY)  
COMPONENTS  
CURVES (GEOMETRY)  
LINES (GEOMETRY)  
RADI

### SEGRE CHARACTERISTIC

RT CHARACTERISTICS  
CRACK PROPAGATION  
METAL FATIGUE

### SEGREGATION

USE SEPARATION

### SEISMIC ENERGY

RT EARTHQUAKE DAMAGE  
ENERGY  
STRAIN ENERGY METHODS

### SEISMIC WAVES

UF ELECTROSEISMIC EFFECT  
GS ELASTIC WAVES  
SEISMIC WAVES  
LOVE WAVES  
MICROSEISMS  
RAYLEIGH WAVES  
RT CRUSTAL FRACTURES  
DETONATION WAVES  
DILATATIONAL WAVES  
EARTH MOVEMENTS  
EARTHQUAKE DAMAGE  
EARTHQUAKE RESISTANCE  
EARTHQUAKE RESISTANT STRUCTURES  
EARTHQUAKES  
GUTENBERG ZONE  
LARGE APERTURE SEISMIC ARRAY  
LONGITUDINAL WAVES  
P WAVES  
PLANETARY QUAKE  
POLARIZED ELASTIC WAVES  
S WAVES  
SEISMOLOGY  
SHOCK WAVES  
SURFACE WAVES  
TSUNAMI WAVES

### SEISMIC WAVES-(CONT.)

UNDERGROUND EXPLOSIONS  
WAVES

### SEISMOCARDIOGRAPHY

GS BIOENGINEERING  
BIOMETRICS  
CARDIOGRAPHY  
SEISMOCARDIOGRAPHY  
RT BALLISTOCARDIOGRAPHY  
FIBRILLATION

### SEISMOGRAMS

RT SEISMOGRAPHS

### SEISMOGRAPHS

UF SEISMOMETERS  
GS MEASURING INSTRUMENTS  
VIBRATION METERS  
SEISMOGRAPHS  
LUNAR SEISMOGRAPHS  
RECORDING INSTRUMENTS  
SEISMOGRAPHS  
LUNAR SEISMOGRAPHS  
RT ACCELEROMETERS  
ACOUSTIC MEASUREMENT  
PHASED ARRAYS  
SEISMOGRAMS  
SHOCK MEASURING INSTRUMENTS  
TILTMETERS

### SEISMOLOGY

GS SEISMOLOGY  
HELIOSEISMOLOGY  
MOONQUAKES  
RT CRUSTAL FRACTURES  
EARTH MOVEMENTS  
EARTHQUAKE DAMAGE  
EARTHQUAKES  
GEOLOGY  
GEOPHYSICS  
ISOSTASY  
LARGE APERTURE SEISMIC ARRAY  
LUNAR GEOLOGY  
ROUSE BELTS  
SCIENCE  
SEISMIC WAVES  
SUBDUCTION (GEOLOGY)  
TIDAL WAVES

### SEISMOMETERS

USE SEISMOGRAPHS

### SEIZURES

RT CONVULSIONS  
CRAMPS

### SEL COMPUTERS

GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
SEL COMPUTERS

### SELECTION

UF CHOICE  
GS SELECTION  
PERSONNEL SELECTION  
PILOT SELECTION  
SITE SELECTION  
RT CERTIFICATION  
CLASSIFYING  
COLLECTION  
DECISIONS  
EVALUATION  
FIGURE OF MERIT  
OPTIONS  
RANKING  
REJECTION  
SAMPLING  
SCREENING  
SEARCHING  
TESTS

### SELECTION RULES (NUCLEAR PHYSICS)

GS RULES  
SELECTION RULES (NUCLEAR PHYSICS)  
RT ALPHA DECAY  
EMISSION  
FORBIDDEN TRANSITIONS  
NEUTRON EMISSION  
PHYSICS  
QUANTUM NUMBERS

### SELECTIVE DISSEMINATION OF INFORMATION

GS COMMUNICATING  
INFORMATION DISSEMINATION  
SELECTIVE DISSEMINATION OF INFORMATION  
RT COMPUTER INFORMATION SECURITY  
DATA STORAGE  
DOCUMENTATION  
INDEXES (DOCUMENTATION)  
INFORMATION FLOW  
INFORMATION RETRIEVAL  
INFORMATION SYSTEMS  
LIBRARIES  
MANAGEMENT PLANNING  
SECURITY  
TECHNOLOGY TRANSFER

### SELECTIVE FADING

GS FADING  
SIGNAL FADING  
SELECTIVE FADING  
RT FREQUENCY ANALYZERS  
GROUND WAVE PROPAGATION  
MODULATION  
SIDEBANDS  
SIGNAL FADING RATE

### SELECTIVE SURFACES

UF SOLAR SELECTIVE COATINGS  
RT ENERGY ABSORPTION FILMS  
SELECTIVITY  
SOLAR COLLECTORS  
SOLAR ENERGY ABSORBERS

### SELECTIVITY

RT DISCRIMINATION  
PHOTOTHERMAL CONVERSION  
SELECTIVE SURFACES

### SELECTORS

RT ANALYZERS  
CIRCUITS  
ELECTRIC RELAYS  
SAMPLERS  
SWITCHES  
SWITCHING CIRCUITS

### SELENIDES

GS CHALCOGENIDES  
SELENIDES  
CADIUM SELENIDES  
COPPER SELENIDES  
GALLIUM SELENIDES  
LEAD SELENIDES  
ZINC SELENIDES  
SELENIUM COMPOUNDS  
SELENIDES  
CADIUM SELENIDES  
COPPER SELENIDES  
GALLIUM SELENIDES  
LEAD SELENIDES  
ZINC SELENIDES

### SELENIUM

GS CHEMICAL ELEMENTS  
SELENIUM  
RT SELENIUM ISOTOPES

### SELENIUM ALLOYS

GS ALLOYS  
SELENIUM ALLOYS  
RT COPPER

### SELENIUM COMPOUNDS

GS SELENIUM COMPOUNDS  
SELENIDES  
CADIUM SELENIDES  
COPPER SELENIDES  
GALLIUM SELENIDES  
LEAD SELENIDES  
ZINC SELENIDES  
SELENIUM OXIDES  
RT CHEMICAL COMPOUNDS  
GROUP 6A COMPOUNDS

### SELENIUM ISOTOPES

GS CHEMICAL ELEMENTS  
NUCLIDES  
ISOTOPES  
SELENIUM ISOTOPES  
RT SELENIUM

### SELENIUM OXIDES

GS CHALCOGENIDES

**SELENIUM OXIDES-(CONT.)**

. OXIDES  
 . **SELENIUM OXIDES**  
 SELENIUM COMPOUNDS  
 . **SELENIUM OXIDES**

**SELENOGRAPHY**

RT GEOGRAPHY  
 LUNAR CRATERS  
 LUNAR CRUST  
 LUNAR LANDING SITES  
 LUNAR MAPS  
 LUNAR MOBILE LABORATORIES  
 LUNAR RAYS  
 LUNAR ROCKS  
 LUNAR TOPOGRAPHY  
 MOON  
 SELENOLOGY  
 SURFACE PROPERTIES

**SELENOLOGY**

RT ASTRONOMY  
 LUNAR COMPOSITION  
 LUNAR CORE  
 LUNAR CRATERS  
 LUNAR CRUST  
 LUNAR DUST  
 LUNAR ECHOES  
 LUNAR ECLIPSES  
 LUNAR EFFECTS  
 LUNAR ENVIRONMENT  
 LUNAR EQUATOR  
 LUNAR EVOLUTION  
 LUNAR EXPLORATION  
 LUNAR FAR SIDE  
 LUNAR FIGURE  
 LUNAR GEOLOGY  
 LUNAR GRAVITATION  
 LUNAR GRAVITATIONAL EFFECTS  
 LUNAR LIMB  
 LUNAR LUMINESCENCE  
 LUNAR MAGNETIC FIELDS  
 LUNAR MANTLE  
 LUNAR MARIA  
 LUNAR OCCULTATION  
 LUNAR PHASES  
 LUNAR RADAR ECHOES  
 LUNAR RADIATION  
 LUNAR ROCKS  
 LUNAR ROTATION  
 LUNAR SEISMOGRAPHS  
 LUNAR SHADOW  
 LUNAR SOIL  
 LUNAR SURFACE  
 LUNAR TEMPERATURE  
 LUNAR TIDES  
 LUNAR TOPOGRAPHY  
 MOON  
 MOONQUAKES  
 REGOLITH  
 SELENOGRAPHY

**SELF ABSORPTION**

GS ENERGY ABSORPTION  
 . RADIATION ABSORPTION  
 . **SELF ABSORPTION**  
 RT ∞ ABSORPTION  
 ABSORPTION SPECTRA  
 ABSORPTIVITY  
 AUTOMATIC CONTROL  
 DIFFUSION  
 ∞ RADIATION

**SELF ADAPTIVE CONTROL SYSTEMS**

GS AUTOMATIC CONTROL  
 . ADAPTIVE CONTROL  
 . **SELF ADAPTIVE CONTROL SYSTEMS**  
 RT ACTIVE CONTROL  
 ADAPTIVE OPTICS  
 AUTOMATA THEORY  
 AUTONOMY  
 ∞ CONTROL  
 ∞ SYSTEMS

**SELF ALIGNMENT**

GS ALIGNMENT  
 . **SELF ALIGNMENT**  
 AUTOMATIC CONTROL  
 . **SELF ALIGNMENT**  
 RT ACTIVE CONTROL  
 ADAPTIVE CONTROL  
 LANDING GEAR  
 MODEL REFERENCE ADAPTIVE  
 CONTROL  
 SERVOMECHANISMS

**SELF CALIBRATING OMNIRANGE**

UF SCORE OMNIRANGE  
 GS NAVIGATION AIDS  
 . BEACONS  
 . RADIO BEACONS  
 . . . OMNIDIRECTIONAL RADIO RANGES  
 . . . **SELF CALIBRATING OMNIRANGE**  
 RADIO EQUIPMENT  
 . RADIO TRANSMITTERS  
 . . RADIO BEACONS  
 . . . OMNIDIRECTIONAL RADIO RANGES  
 . . . **SELF CALIBRATING OMNIRANGE**  
 TRANSMITTERS  
 . RADIO TRANSMITTERS  
 . . RADIO BEACONS  
 . . . OMNIDIRECTIONAL RADIO RANGES  
 . . . **SELF CALIBRATING OMNIRANGE**  
 RT SOLAR COMPASSES

**SELF CONSISTENT FIELDS**

UF SCF  
 RT FIELD THEORY (PHYSICS)  
 ∞ FIELDS  
 HARTREE APPROXIMATION  
 MAGNETIC FIELDS  
 MOLECULAR ORBITALS  
 QUANTUM ELECTRODYNAMICS  
 SHELL THEORY

**SELF DEPLOYING SPACE STATIONS**

USE SELF ERECTING DEVICES  
 SPACE STATIONS

**SELF DIFFUSION (SOLID STATE)**

GS DIFFUSION  
 . **SELF DIFFUSION (SOLID STATE)**  
 RT ATOMIC MOBILITIES  
 IONIC DIFFUSION  
 MOLECULAR DIFFUSION  
 PARTICLE DIFFUSION

**SELF ERECTING DEVICES**

UF SELF DEPLOYING SPACE STATIONS  
 RT ∞ AUTOMATION  
 ∞ DEVICES  
 ∞ EQUIPMENT  
 INFLATABLE SPACECRAFT  
 INFLATABLE STRUCTURES  
 ORBITAL ASSEMBLY  
 SPACE ERECTABLE STRUCTURES

**SELF EXCITATION**

GS EXCITATION  
 . **SELF EXCITATION**  
 RT FORCED VIBRATION  
 FREE VIBRATION  
 OSCILLATORS  
 RESONATORS

**SELF FOCUSING**

GS FOCUSING  
 . **SELF FOCUSING**  
 RT IMAGE CONTRAST  
 ∞ MACHINERY  
 OPTICAL CORRECTION PROCEDURE  
 OPTICAL MEASURING INSTRUMENTS

**SELF INDUCED VIBRATION**

GS VIBRATION  
 . STRUCTURAL VIBRATION  
 . . **SELF INDUCED VIBRATION**  
 . . . PANEL FLUTTER  
 . . . SUBSONIC FLUTTER  
 . . . SUPERSONIC FLUTTER  
 . . . TRANSONIC FLUTTER  
 RT BENDING VIBRATION  
 FLUTTER  
 FORCED VIBRATION  
 FREE VIBRATION  
 MISSILE VIBRATION  
 PILOT INDUCED OSCILLATION  
 RANDOM VIBRATION  
 TORSIONAL VIBRATION

**SELF INITIATED ANTI-AIRCRAFT MISSILES**

USE SIAM MISSILES

**SELF LUBRICATING MATERIALS**

RT IMPREGNATING  
 LUBRICATION  
 ∞ MATERIALS  
 SOLID LUBRICANTS  
 SPACECRAFT LUBRICATION

**SELF LUBRICATION**

GS LUBRICATION  
 . **SELF LUBRICATION**  
 RT IMPREGNATING

**SELF MANEUVERING UNITS**

UF PERSONNEL PROPULSION SYSTEMS  
 REACTION JET BACKPACKS  
 SMU (MANEUVERING UNITS)  
 SPACE SELF MANEUVERING UNITS  
 GS **SELF MANEUVERING UNITS**  
 . IMLSS  
 RT ASTRONAUT MANEUVERING EQUIPMENT  
 EXTRAVEHICULAR ACTIVITY  
 EXTRAVEHICULAR MOBILITY UNITS  
 MANEUVERS  
 MANNED MANEUVERING UNITS

**SELF ORGANIZING SYSTEMS**

UF PERCEPTRONS  
 RT ARTIFICIAL INTELLIGENCE  
 LEARNING MACHINES  
 ∞ SYSTEMS  
 TURING MACHINES

**SELF OSCILLATION**

GS OSCILLATIONS  
 . **SELF OSCILLATION**  
 RT FEEDBACK AMPLIFIERS  
 POSITIVE FEEDBACK  
 TRANSFER FUNCTIONS

**SELF PROPAGATION**

GS DIFFUSION  
 . **SELF PROPAGATION**  
 TRANSMISSION  
 . **SELF PROPAGATION**  
 RT ∞ PROPAGATION

**SELF REGULATING**

USE AUTOMATIC CONTROL

**SELF REPAIRING DEVICES**

RT ∞ AUTOMATION  
 ∞ DEVICES  
 MAINTENANCE

**SELF SEALING**

GS SEALING  
 . **SELF SEALING**  
 RT FLIGHT SAFETY  
 FUEL SYSTEMS  
 RUPTURING  
 SUPPORT SYSTEMS

**SELF SHADOWING**

RT LARGE SPACE STRUCTURES  
 SHADOWS  
 SOLAR ARRAYS

**SELF STIMULATION**

RT MOTIVATION  
 REINFORCEMENT (PSYCHOLOGY)

**SELF SUBTRACTION HOLOGRAPHY**

USE HOLOGRAPHIC SUBTRACTION

**SELF SUSTAINED EMISSION**

GS EMISSION  
 . **SELF SUSTAINED EMISSION**  
 RT ELECTRON EMISSION  
 LIGHT EMISSION  
 PARTICLE EMISSION  
 STIMULATED EMISSION

**SELF TESTS**

RT AUTOMATIC TEST EQUIPMENT  
 AVIONICS  
 ELECTRONIC EQUIPMENT TESTS  
 FAIL-SAFE SYSTEMS  
 ∞ TESTS

**SELSYNS (TRADEMARK)**

USE SERVOMOTORS

**SEMANTICS**

GS LINGUISTICS  
 . **SEMANTICS**  
 RT COMMUNICATION THEORY  
 GRAMMARS  
 LANGUAGES  
 MESSAGE PROCESSING  
 MESSAGES  
 NOMENCLATURES

## SEMICIRCULAR CANALS

### SEMANTICS-(CONT.)

- ORTHOGRAPHY
- PARSING ALGORITHMS
- PSYCHOLINGUISTICS
- SENTENCES
- SPEECH
- SYLLABLES
- SYMBOLS
- SYNTAX
- WORDS (LANGUAGE)

### SEMICIRCULAR CANALS

- GS ANATOMY
  - SENSE ORGANS
  - EAR
  - LABYRINTH
- RT SEMICIRCULAR CANALS
  - EARDRUMS
  - MIDDLE EAR
  - OTOLITH ORGANS
  - VESTIBULES

### SEMICONDUCTING FILMS

- RT AMORPHOUS SEMICONDUCTORS
- AMORPHOUS SILICON
- ENERGY ABSORPTION FILMS
- ∞ FILMS
  - THICK FILMS
  - THIN FILMS

### SEMICONDUCTOR DEVICES

- GS ELECTRONIC EQUIPMENT
  - SOLID STATE DEVICES
  - SEMICONDUCTOR DEVICES
    - AVALANCHE DIODES
    - CRYOSAR
    - BARRITT DIODES
    - CHARGE TRANSFER DEVICES
    - BUCKET BRIGADE DEVICES
    - CHARGE COUPLED DEVICES
    - CHARGE INJECTION DEVICES
    - GERMANIUM DIODES
    - HETEROJUNCTION DEVICES
    - HIGH ELECTRON MOBILITY TRANSISTORS
    - MODFETS
    - JUNCTION DIODES
    - MIM DIODES
    - STEP RECOVERY DIODES
    - LIGHT EMITTING DIODES
    - METAL OXIDE SEMICONDUCTORS
    - CMOS
    - ITO (SEMICONDUCTORS)
    - SOS (SEMICONDUCTORS)
    - MIM (SEMICONDUCTORS)
    - MIS (SEMICONDUCTORS)
    - MSM (SEMICONDUCTORS)
    - NDM SEMICONDUCTOR DEVICES
    - NEURISTORS
    - PARAMETRIC DIODES
    - PHOTODIODES
    - PHOTOVOLTAIC CELLS
    - SOLAR CELLS
    - VERTICAL JUNCTION SOLAR CELLS
    - SCHOTTKY DIODES
    - SEMICONDUCTOR LASERS
    - GALLIUM ARSENIDE LASERS
    - SOI (SEMICONDUCTORS)
    - THERMISTORS
    - THYRISTORS
    - SILICON CONTROLLED RECTIFIERS
    - TRANSFERRED ELECTRON DEVICES
    - TRANSISTOR AMPLIFIERS
    - TRANSISTORS
    - BIPOLAR TRANSISTORS
    - FIELD EFFECT TRANSISTORS
    - CHARGE FLOW DEVICES
    - JFET
    - MODFETS
    - HIGH ELECTRON MOBILITY TRANSISTORS
    - MODFETS
    - JUNCTION TRANSISTORS
    - JFET
    - PHOTOTRANSISTORS
    - SILICON TRANSISTORS
    - SOS (SEMICONDUCTORS)
    - TRAPATT DEVICES
    - VARACTOR DIODES
    - VARISTORS
- RT BARRIER LAYERS
- BUBBLE TECHNIQUE
- CHIPS (MEMORY DEVICES)

### SEMICONDUCTOR DEVICES-(CONT.)

- CRYSTAL RECTIFIERS
- DIFFUSION ELECTRODES
- DIFFUSION LENGTH
- DIODES
- GUNN DIODES
- GUNN EFFECT
- HALL EFFECT
- HYBRID CIRCUITS
- ION IMPLANTATION
- ∞ JUNCTIONS
- MICROMINIATURIZATION
- MODULATION DOPING
- MOLECULAR ELECTRONICS
- ORGANIC SEMICONDUCTORS
- OSCILLATORS
- PARAMETRIC AMPLIFIERS
- PENTODES
- RECTIFIERS
- SEMICONDUCTORS (MATERIALS)
- SILICON FILMS
- TETRODES
- TRIODES
- WAFERS

### SEMICONDUCTOR DIODES

- GS ELECTRONIC EQUIPMENT
  - DIODES
  - SEMICONDUCTOR DIODES
    - AVALANCHE DIODES
    - BARRITT DIODES
    - GERMANIUM DIODES
    - GUNN DIODES
    - JUNCTION DIODES
    - LIGHT EMITTING DIODES
    - PARAMETRIC DIODES
    - PHOTODIODES
    - SCHOTTKY DIODES
    - TUNNEL DIODES
    - VARACTOR DIODES
- RT MIM DIODES
- SIS (SEMICONDUCTORS)
- THERMIONIC DIODES

### SEMICONDUCTOR INSULATOR SEMICONDUCTORS

- USE SIS (SEMICONDUCTORS)

### SEMICONDUCTOR JUNCTIONS

- GS SEMICONDUCTOR JUNCTIONS
  - HETEROJUNCTIONS
  - HOMOJUNCTIONS
  - MBM JUNCTIONS
  - N-N JUNCTIONS
  - N-P-N JUNCTIONS
  - P-I-N JUNCTIONS
  - P-N JUNCTIONS
  - P-N-P JUNCTIONS
  - P-N-P-N JUNCTIONS
  - SILICON JUNCTIONS
- RT BARRITT DIODES
- HETEROJUNCTION DEVICES
- ∞ JUNCTIONS
  - MSM (SEMICONDUCTORS)
  - N-TYPE SEMICONDUCTORS
  - P-TYPE SEMICONDUCTORS
  - SCHOTTKY DIODES
  - SIS (SEMICONDUCTORS)
  - THRESHOLD VOLTAGE

### SEMICONDUCTOR LASERS

- GS ELECTRONIC EQUIPMENT
  - SOLID STATE DEVICES
  - SEMICONDUCTOR DEVICES
  - SEMICONDUCTOR LASERS
    - GALLIUM ARSENIDE LASERS
    - STIMULATED EMISSION DEVICES
    - LASERS
- RT DISTRIBUTED FEEDBACK LASERS
- GALLIUM ARSENIDES
- GUNN EFFECT
- INJECTION LASERS
- LASER CAVITIES
- OPTICAL SWITCHING
- PULSED LASERS
- Q SWITCHED LASERS
- SOLID STATE LASERS
- WAVEGUIDE LASERS

### SEMICONDUCTOR PLASMAS

- GS PARTICLES
  - CHARGED PARTICLES
  - ENERGETIC PARTICLES
  - PLASMAS (PHYSICS)

### SEMICONDUCTOR PLASMAS-(CONT.)

- SEMICONDUCTOR PLASMAS
- RT ELECTRON MOBILITY
- ELECTRON-HOLE DROPS
- HOLES (ELECTRON DEFICIENCIES)
- PLASMA PHYSICS
- SEMICONDUCTORS (MATERIALS)

### SEMICONDUCTORS (MATERIALS)

- GS SEMICONDUCTORS (MATERIALS)
  - ACCEPTOR MATERIALS
  - AMORPHOUS SEMICONDUCTORS
  - AMORPHOUS SILICON
  - DONOR MATERIALS
  - METAL OXIDE SEMICONDUCTORS
  - CMOS
  - ITO (SEMICONDUCTORS)
  - SOS (SEMICONDUCTORS)
  - METAL-NITRIDE-OXIDE-SEMICONDUCTORS
  - METAL-NITRIDE-OXIDE-SILICON
  - MIM (SEMICONDUCTORS)
  - MIS (SEMICONDUCTORS)
  - MOM (SEMICONDUCTORS)
  - N-TYPE SEMICONDUCTORS
  - ORGANIC SEMICONDUCTORS
  - P-TYPE SEMICONDUCTORS
  - PHOTOCONDUCTORS
  - SUPERLATTICES
  - VYCOR
- RT ALUMINUM ARSENIDES
- BIPOLAR TRANSISTORS
- BUCKET BRIGADE DEVICES
- CARRIER DENSITY (SOLID STATE)
- CARRIER INJECTION
- CHARGE INJECTION DEVICES
- CONDUCTION BANDS
- CONDUCTORS
- ELECTRIC CONDUCTORS
- ELECTRON AFFINITY
- ELECTRON DENSITY (CONCENTRATION)
- ELECTRON TUNNELING
- ELECTRONS
- EMITTERS
- EXCITONS
- GALLIUM NITRIDES
- HOLE DISTRIBUTION (ELECTRONICS)
- HOLES (ELECTRON DEFICIENCIES)
- INDIUM ANTIMONIDES
- INDIUM TELLURIDES
- INTERMETALLICS
- MAJORITY CARRIERS
- ∞ MATERIALS
  - MELTS (CRYSTAL GROWTH)
  - METALLOIDS
  - MINORITY CARRIERS
  - MODULATION DOPING
  - NEGATIVE ELECTRON AFFINITY
  - ORGANIC CHARGE TRANSFER SALTS
  - POLYACETYLENE
  - PSEUDOPOTENTIALS
  - RESISTORS
  - SCREEN EFFECT
  - SEMICONDUCTOR DEVICES
  - SEMICONDUCTOR PLASMAS
  - ∞ SOLID STATE PHYSICS
  - THERMOELECTRIC MATERIALS

### SEMIEMPIRICAL EQUATIONS

- RT ALGEBRA
- ∞ EQUATIONS
- PARAMETERIZATION

### SEMIMETALS

- USE METALLOIDS

### SEMIREGULAR VARIABLE STARS

- GS CELESTIAL BODIES
  - STARS
  - VARIABLE STARS
- RT SEMIREGULAR VARIABLE STARS
- IRREGULAR VARIABLE STARS
- PERIODIC VARIATIONS

### SEMISOLIDS

- RT PLASTIC PROPERTIES
- THIXOTROPY
- VISCOUS FLUIDS

### SEMISPAN MODELS

- GS MODELS
  - SEMISPAN MODELS
- RT AERODYNAMIC CONFIGURATIONS
- AIRCRAFT MODELS
- SCALE MODELS

**SEMISPAN MODELS-(CONT.)**

WIND TUNNEL MODELS

**SENARMONT POLARISCOPES**

GS MEASURING INSTRUMENTS  
 . POLARISCOPES  
 . . **SENARMONT POLARISCOPES**  
 OPTICAL EQUIPMENT  
 . POLARISCOPES  
 . . **SENARMONT POLARISCOPES**  
 RT LASERS  
 OPTICAL MEASURING INSTRUMENTS

**SENDERS**

USE TRANSMITTERS

**SENECA AIRCRAFT**

USE PA-34 SENECA AIRCRAFT

**SENEGAL**

GS NATIONS  
 . **SENEGAL**  
 RT AFRICA

**SENSE ORGANS**

GS ANATOMY  
 . **SENSE ORGANS**  
 . . BARORECEPTORS  
 . . CHEMORECEPTORS  
 . . EAR  
 . . . EARDRUMS  
 . . . EUSTACHIAN TUBES  
 . . . LABYRINTH  
 . . . COCHLEA  
 . . . . CORTI ORGAN  
 . . . . OTOLITH ORGANS  
 . . . . SEMICIRCULAR CANALS  
 . . . . VESTIBULES  
 . . . MIDDLE EAR  
 . . EYE (ANATOMY)  
 . . . CHOROID MEMBRANES  
 . . . CONJUNCTIVA  
 . . . CORNEA  
 . . . OCULOMOTOR NERVES  
 . . . PUPILS  
 . . . RETINA  
 . . . . FOVEA  
 . . . GRAVIRECEPTORS  
 . . . OTOLITH ORGANS  
 . . . MECHANORECEPTORS  
 . . . PHOTORECEPTORS  
 . . . PROPRIOCEPTORS  
 . . . THERMORECEPTORS  
 RT FINGERS  
 HEAD (ANATOMY)  
 NERVOUS SYSTEM  
 OLFACTORY PERCEPTION  
 ORGANS  
 PERCEPTUAL TIME CONSTANT  
 RECEPTORS (PHYSIOLOGY)  
 SENSITOMETRY  
 SKIN (ANATOMY)

**SENSES**

USE SENSORY PERCEPTION

**SENSIBILITY**

USE SENSITIVITY

**SENSING**

USE DETECTION

**SENSITIVITY**

UF INSENSITIVITY  
 SENSIBILITY  
 GS **SENSITIVITY**  
 . ANAPHYLAXIS  
 . IMPACT RESISTANCE  
 . NOTCH SENSITIVITY  
 . PAIN SENSITIVITY  
 . PHOTOSENSITIVITY  
 . . LIGHT ADAPTATION  
 . . PHOTOTROPISM  
 . . PROPELLANT SENSITIVITY  
 . . RADIATION TOLERANCE  
 . . SENSITOMETRY  
 . . SPECTRAL SENSITIVITY  
 RT ACUITY  
 ADAPTATION  
 AMPLIFICATION  
 AUDITORY PERCEPTION  
 DYNAMIC CHARACTERISTICS  
 DYNAMIC RESPONSE  
 ∞ FREQUENCY RESPONSE

**SENSITIVITY-(CONT.)**

ITCHING  
 PERCEPTION  
 PRECISION  
 RANGE (EXTREMES)  
 REACTION TIME  
 ∞ RESISTANCE  
 RESOLUTION  
 SENSITIZING  
 SHOCK RESISTANCE  
 ∞ THRESHOLDS  
 THRESHOLDS (PERCEPTION)  
 TOLERANCES (MECHANICS)  
 TRANSFER FUNCTIONS  
 TRANSIENT RESPONSE  
 VISIBILITY  
 VULNERABILITY

**SENSITIZING**

RT ACTIVATION  
 ACTUATION  
 ANAPHYLAXIS  
 CORROSION PREVENTION  
 SENSITIVITY

**SENSITOMETRY**

GS SENSITIVITY  
 . **SENSITOMETRY**  
 RT GRAVIRECEPTORS  
 MECHANORECEPTORS  
 PHOTORECEPTORS  
 PHOTOSENSITIVITY  
 PROPRIOCEPTORS  
 RADIATION MEASUREMENT  
 RECEPTORS (PHYSIOLOGY)  
 SENSE ORGANS  
 THERMORECEPTORS

**SENSORIMOTOR PERFORMANCE**

GS **SENSORIMOTOR PERFORMANCE**  
 . PSYCHOMOTOR PERFORMANCE  
 . . PSYCHOSOMATICS  
 RT AFFERENT NERVOUS SYSTEMS  
 EFFERENT NERVOUS SYSTEMS  
 HUMAN PERFORMANCE  
 HUMAN REACTIONS  
 PERCEPTUAL TIME CONSTANT  
 PHYSIOLOGICAL TESTS  
 PILOT PERFORMANCE  
 REACTION TIME  
 SENSORY FEEDBACK

**∞ SENSORS**

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 UF PICKOFFS  
 PICKUPS  
 RT BIOINSTRUMENTATION  
 CHARACTER RECOGNITION  
 CHARGE FLOW DEVICES  
 CONTOUR SENSORS  
 CROP IDENTIFICATION  
 DATA ACQUISITION  
 ELECTRONIC TRANSDUCERS  
 FLIR DETECTORS  
 GAS DETECTORS  
 GUIDANCE SENSORS  
 IMAGE VELOCITY SENSORS  
 LASER GYROSCOPES  
 MEASURING INSTRUMENTS  
 MICROWAVE SENSORS  
 MULTISPECTRAL LINEAR ARRAYS  
 REMOTE SENSORS  
 SERVOMOTORS  
 TRANSDUCERS

**SENSORY DEPRIVATION**

GS DEPRIVATION  
 . **SENSORY DEPRIVATION**  
 RT CONFINEMENT  
 CONFINING  
 MONOTONY  
 PERCEPTION

**SENSORY DISCRIMINATION**

GS DISCRIMINATION  
 . **SENSORY DISCRIMINATION**  
 . . BRIGHTNESS DISCRIMINATION  
 . . TACTILE DISCRIMINATION  
 . . VISUAL DISCRIMINATION  
 RT SPEECH RECOGNITION  
 TIME DISCRIMINATION

**SENSORY FEEDBACK**

UF FEELINGS  
 GS FEEDBACK  
 . BIOFEEDBACK  
 . . **SENSORY FEEDBACK**  
 RT EMOTIONAL FACTORS  
 EMOTIONS  
 MOODS  
 MOON ILLUSION  
 NONLINEAR FEEDBACK  
 PERCEPTION  
 SENSORIMOTOR PERFORMANCE

**SENSORY PERCEPTION**

UF SENSES  
 GS PERCEPTION  
 . **SENSORY PERCEPTION**  
 . . AUDITORY PERCEPTION  
 . . CONSCIOUSNESS  
 . . EXTRASENSORY PERCEPTION  
 . . KINESTHESIA  
 . . OLFACTORY PERCEPTION  
 . . PAIN  
 . . PAIN SENSITIVITY  
 . . PROPRIOCEPTION  
 . . . AUTOKINESIS  
 . . TASTE  
 . . TOUCH  
 . . . TACTILE DISCRIMINATION  
 . . VERTICAL PERCEPTION  
 . . VIBRATION PERCEPTION  
 . . VISUAL PERCEPTION  
 . . . CRITICAL FLICKER FUSION  
 . . . SPACE PERCEPTION  
 . . . . AUTOKINESIS  
 . . . VISUAL DISCRIMINATION  
 RT AFTERIMAGES  
 ANESTHESIA  
 ELECTROCUTANEOUS COMMUNICATION  
 ITCHING

**SENSORY STIMULATION**

GS STIMULATION  
 . **SENSORY STIMULATION**  
 RT CHRONAXY  
 EMOTIONAL FACTORS  
 SUBLIMINAL STIMULI

**SENTENCES**

GS LANGUAGES  
 . **SENTENCES**  
 . . WORDS (LANGUAGE)  
 . . . SYLLABLES  
 LINGUISTICS  
 . SYNTAX  
 . . **SENTENCES**  
 . . . WORDS (LANGUAGE)  
 . . . . SYLLABLES  
 RT COMMUNICATION THEORY  
 MESSAGES  
 SEMANTICS  
 SIGNAL RECEPTION  
 SIGNAL TRANSMISSION  
 SPEECH  
 TALKING

**SENTINEL SYSTEM**

GS WEAPON SYSTEMS  
 . **SENTINEL SYSTEM**  
 RT ANTIMISSILE DEFENSE  
 ANTIMISSILE MISSILES  
 CIVIL DEFENSE  
 NIKE MISSILES  
 SAFEGUARD SYSTEM  
 SPARTAN MISSILE  
 SPRINT MISSILE  
 SURFACE TO AIR MISSILES  
 ∞ SYSTEMS

**SEO (INDIAN SPACECRAFT)**

USE INDIAN SPACECRAFT

**SEOCs (SATELLITE)**

GS ARTIFICIAL SATELLITES  
 . METEOROLOGICAL SATELLITES  
 . . **SEOCs (SATELLITE)**

**SEOS**

USE SYNCHRONOUS EARTH OBSERVATORY  
 SATELLITE

**SEPAC (PAYLOAD)**

UF SPACE EXPR WITH PARTICLE  
 ACCELERATORS  
 GS PAYLOADS

## SEPARATED FLOW

### SEPAC (PAYLOAD)-(CONT.)

- RT  $\infty$  SEPAC (PAYLOAD)
- $\infty$  ACCELERATORS
- PARTICLE ACCELERATORS
- SPACELAB

### SEPARATED FLOW

- UF FLOW SEPARATION
- GS FLUID FLOW
  - .. VISCIOUS FLOW
  - .. BOUNDARY LAYER FLOW
  - .. **SEPARATED FLOW**
  - .. BOUNDARY LAYER SEPARATION
- RT CAVITATION FLOW
- CONICAL FLOW
- CROCCO-LEE THEORY
- FLOW CHARACTERISTICS
- FLOW DISTRIBUTION
- REATTACHED FLOW
- REVERSED FLOW
- $\infty$  SEPARATION
- SURFACE ROUGHNESS EFFECTS
- TURBULENCE EFFECTS
- VORTEX FLAPS

### $\infty$ SEPARATION

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- UF SEGREGATION
- RT ADSORPTION
- AERATION
- AGGLOMERATION
- AGITATION
- BENEFICIATION
- BOUNDARY LAYER SEPARATION
- BREAKING
- CENTRIFUGING
- CHEMICAL FRACTIONATION
- CHIPPING
- CLASSIFIERS
- CLEANING
- COAGULATION
- COALESCING
- COANDA EFFECT
- COLLOIDS
- CONCENTRATING
- CONDENSING
- CRYSTALLIZATION
- CUTTING
- DECONTAMINATION
- DEGASSING
- DEHUMIDIFICATION
- DEHYDRATION
- DEIONIZATION
- DELAMINATING
- DEMINERALIZING
- DEOXYGENATION
- DEPOSITION
- DESCALING
- DESORPTION
- DIALYSIS
- DIFFUSION
- DISPERSING
- DISSOLVING
- DISTILLATION
- DIVERTERS
- $\infty$  DIVISION
- DRYING
- ELECTRODIALYSIS
- ELECTROSTATIC PRECIPITATORS
- ELIMINATION
- ELUTION
- EVAPORATION
- EXCHANGING
- EXCLUSION
- EXTERNAL STORE SEPARATION
- EXTRACTION
- FILTRATION
- FLAKING
- FLASHING (VAPORIZING)
- FLOTATION
- FLUSHING
- FOAMING
- FRACTIONATION
- FRACTURING
- HOMOGENIZING
- ION EXCHANGING
- ION EXTRACTION
- ION STRIPPING
- ISOLATION
- LEACHING
- MATERIALS RECOVERY
- MELTING
- MIXING

### SEPARATION-(CONT.)

- OSMOSIS
- PERCOLATION
- POLARIZATION (CHARGE SEPARATION)
- PRECIPITATION (CHEMISTRY)
- PURGING
- PURIFICATION
- RADIOCHEMICAL SEPARATION
- RECRYSTALLIZATION
- REFINING
- REMOVAL
- SCRAPERS
- SEPARATED FLOW
- SEPARATORS
- SETTLING
- SHAKING
- SHEARING
- SIZE SEPARATION
- SLICING
- SOLVENT EXTRACTION
- SORPTION
- SPACING
- SPLITTING
- SPREADING
- STAGE SEPARATION
- STRIPPING (DISTILLATION)
- SUBLIMATION
- SWIRLING
- THERMAL DIFFUSION
- THERMOPHORESIS
- TUMBLING MOTION
- VAPORIZING
- VENTING
- WASHING
- ZONE MELTING

### SEPARATORS

- UF BATTERY SEPARATORS
- GS **SEPARATORS**
  - .. CLASSIFIERS
  - .. SIZING SCREENS
  - .. THICKENERS (EQUIPMENT)
  - .. DIVIDERS
  - .. DRYING APPARATUS
  - .. DESICCATORS
  - .. DUST COLLECTORS
  - .. EVAPORATORS
  - .. FLUID FILTERS
  - .. AIR FILTERS
  - .. PRECIPITATORS
  - .. ELECTROSTATIC PRECIPITATORS
  - .. SIEVES
  - .. SPIRALS (CONCENTRATORS)
  - .. STILLs
- RT CENTRIFUGES
- CLEANERS
- COLUMNS (PROCESS ENGINEERING)
- CONCENTRATING
- CONCENTRATORS
- CONDENSERS (LIQUEFIERS)
- CURTAINS
- $\infty$  DIFFUSERS
- DIVERTERS
- $\infty$  FILTERS
- FLOATS
- FLUIDIZED BED PROCESSORS
- FURNACES
- ION EXCHANGE MEMBRANE
- ELECTROLYTES
- MIXERS
- $\infty$  SEPARATION
- SHAKERS
- SPACERS
- TRAPS
- VAPORIZERS
- WASHERS (CLEANERS)
- WASHERS (SPACERS)
- WINDOWS (APERTURES)

### SEPTUM

- RT MEDIASTINUM
- MEMBRANES
- $\infty$  PARTITIONS

### SEQUENCING

- RT CONSECUTIVE EVENTS
- COORDINATION
- CRITICAL PATH METHOD
- INTERRUPTION
- $\infty$  OPERATIONS
- OPERATIONS RESEARCH
- PACKET SWITCHING
- PETRI NETS
- PLANNING
- PRIORITIES

### SEQUENCING-(CONT.)

- RANKING
- SCHEDULING
- SEQUENTIAL CONTROL
- SWITCHING
- SWITCHING THEORY
- TURNAROUND (STS)

### SEQUENTIAL ANALYSIS

- GS STATISTICAL ANALYSIS
- .. **SEQUENTIAL ANALYSIS**
- RT QUALITY CONTROL
- SAMPLING

### SEQUENTIAL COMPUTERS

- GS DATA PROCESSING EQUIPMENT
- .. COMPUTERS
- .. DIGITAL COMPUTERS
- .. **SEQUENTIAL COMPUTERS**

### SEQUENTIAL CONTROL

- GS AUTOMATIC CONTROL
- .. **SEQUENTIAL CONTROL**
- RT ACCURACY
- COMPUTER PROGRAMMING
- CONSECUTIVE EVENTS
- $\infty$  CONTROL
- DATA FLOW ANALYSIS
- NUMERICAL CONTROL
- SEQUENCING

### SERGEANT MISSILES

- GS MISSILES
- .. SURFACE TO SURFACE MISSILES
- .. **SERGEANT MISSILES**
- RT JUNO 1 LAUNCH VEHICLE
- JUNO 2 LAUNCH VEHICLE
- JUPITER C ROCKET VEHICLE
- LITTLE JOE 2 LAUNCH VEHICLE
- SOLID PROPELLANT ROCKET ENGINES

### SERGENIUM

- GS CHEMICAL ELEMENTS
- .. ACTINIDE SERIES
- .. TRANSURANIUM ELEMENTS
- .. **SERGENIUM**
- .. NUCLIDES
- .. ISOTOPES
- .. RADIOACTIVE ISOTOPES
- .. TRANSURANIUM ELEMENTS
- .. **SERGENIUM**
- METALS
- .. ACTINIDE SERIES
- .. TRANSURANIUM ELEMENTS
- .. **SERGENIUM**

### SERIES (MATHEMATICS)

- GS ANALYSIS (MATHEMATICS)
- .. CALCULUS
- .. **SERIES (MATHEMATICS)**
- .. ASYMPTOTIC SERIES
- .. CAMPBELL-HAUSDORFF SERIES
- .. COSINE SERIES
- .. FOURIER SERIES
- .. PADE APPROXIMATION
- .. POWER SERIES
- .. TAYLOR SERIES
- .. MACLAURIN SERIES
- .. PROGRESSIONS
- .. PRONY SERIES
- .. SINE SERIES
- .. REAL VARIABLES
- .. **SERIES (MATHEMATICS)**
- .. ASYMPTOTIC SERIES
- .. CAMPBELL-HAUSDORFF SERIES
- .. COSINE SERIES
- .. FOURIER SERIES
- .. PADE APPROXIMATION
- .. POWER SERIES
- .. TAYLOR SERIES
- .. MACLAURIN SERIES
- .. PROGRESSIONS
- .. PRONY SERIES
- .. SINE SERIES
- RT ABEL FUNCTION
- CHEBYSHEV APPROXIMATION
- DIVERGENCE
- FORM FACTORS
- FOURIER-BESSEL TRANSFORMATIONS
- FUNCTION SPACE
- FUNCTIONAL ANALYSIS
- GIBBS PHENOMENON
- INFINITY
- SERIES EXPANSION
- SUMS

**SERIES EXPANSION**

- GS EXPANSION  
 . **SERIES EXPANSION**  
 RT ASYMPTOTIC SERIES  
 DIVERGENCE  
 ∞ MATHEMATICS  
 SERIES (MATHEMATICS)

**SEROTONIN**

- GS AMINES  
 . TRYPTAMINES  
 . **SEROTONIN**  
 DRUGS  
 . VASOCONSTRICTOR DRUGS  
 . **SEROTONIN**  
 ORGANIC COMPOUNDS  
 . **SEROTONIN**

**SERPENTINE**

- GS MINERALS  
 . **SERPENTINE**  
 RT ASBESTOS  
 CHROMITES  
 ROCKS  
 SOILS

**SERRATIA**

- GS MICROORGANISMS  
 . BACTERIA  
 . **SERRATIA**

**SERT (ROCKET TESTS)**

- USE SPACE ELECTRIC ROCKET TESTS

**SERT 1 SPACECRAFT**

- RT ELECTRIC PROPULSION  
 ELECTRIC ROCKET ENGINES  
 ENGINE TESTS  
 SPACE ELECTRIC ROCKET TESTS  
 ∞ SPACECRAFT

**SERT 2 SPACECRAFT**

- RT ELECTRIC PROPULSION  
 ELECTRIC ROCKET ENGINES  
 ENGINE TESTS  
 SPACE ELECTRIC ROCKET TESTS  
 ∞ SPACECRAFT

**SERUMS**

- GS **SERUMS**  
 . INOCULUM  
 RT ANTISERUMS  
 ∞ FLUIDS  
 PROTEINS

**SERVICE LIFE**

- UF MACHINE LIFE  
 GS LIFE (DURABILITY)  
 . **SERVICE LIFE**  
 RT ACCELERATED LIFE TESTS  
 ∞ EQUIPMENT  
 FATIGUE LIFE  
 MAINTENANCE  
 RETIREMENT FOR CAUSE

**SERVICE MODULES**

- GS MODULES  
 . **SERVICE MODULES**  
 SPACECRAFT COMPONENTS  
 . **SERVICE MODULES**  
 RT APOLLO SPACECRAFT  
 COMMAND MODULES  
 SPACECRAFT DOCKING MODULES  
 SPACECRAFT MODULES

**SERVICES**

- GS **SERVICES**  
 . MEDICAL SERVICES  
 . METEOROLOGICAL SERVICES  
 RT ∞ FOOD  
 GOVERNMENT PROCUREMENT  
 INVENTORY MANAGEMENT  
 LOGISTICS  
 LOGISTICS MANAGEMENT  
 MATERIALS HANDLING  
 PERSONNEL  
 PROCUREMENT  
 PROCUREMENT MANAGEMENT  
 PRODUCTS  
 SITE SELECTION  
 SUPPORT SYSTEMS  
 TRANSPORTATION  
 UTILITIES

**SERVOAMPLIFIERS**

- GS AMPLIFIERS  
 . **SERVOAMPLIFIERS**  
 CONTROL EQUIPMENT  
 . **SERVOAMPLIFIERS**  
 CONTROLLERS  
 . SERVOMECHANISMS  
 . **SERVOAMPLIFIERS**  
 RT FEEDBACK AMPLIFIERS  
 FLY BY TUBE CONTROL  
 SERVOCONTROL

**SERVOCONTROL**

- UF SERVOSTABILITY CONTROL  
 RT AIRCRAFT HYDRAULIC SYSTEMS  
 AUTOMATIC CONTROL  
 ∞ CONTROL  
 CONTROL MOMENT GYROSCOPES  
 CONTROL THEORY  
 DIGITAL COMMAND SYSTEMS  
 FEEDBACK CONTROL  
 HYDRAULIC EQUIPMENT  
 MANIPULATORS  
 MANUAL CONTROL  
 OFF-ON CONTROL  
 PNEUMATIC EQUIPMENT  
 PROPORTIONAL CONTROL  
 REMOTE CONTROL  
 ROCKET ENGINE CONTROL  
 SERVOAMPLIFIERS  
 SERVOMECHANISMS  
 SERVOMOTORS  
 STEPPING MOTORS  
 TURBOJET ENGINE CONTROL  
 VISUAL CONTROL

**SERVOMECHANISMS**

- GS CONTROLLERS  
 . **SERVOMECHANISMS**  
 . . SERVOAMPLIFIERS  
 . . SERVOMOTORS  
 RT ACTIVE CONTROL  
 ACTUATORS  
 AIRCRAFT HYDRAULIC SYSTEMS  
 AUTOMATIC CONTROL  
 AUTOMATIC CONTROL VALVES  
 ∞ AUTOMATION  
 ∞ CONTROL  
 CONTROL MOMENT GYROSCOPES  
 ELECTRIC MOTORS  
 FEEDBACK CONTROL  
 HYDRAULIC EQUIPMENT  
 PNEUMATIC EQUIPMENT  
 RADAR EQUIPMENT  
 REMOTE CONTROL  
 ROBOTS  
 SELF ALIGNMENT  
 SERVOCONTROL  
 STEPPING MOTORS

**SERVOMOTORS**

- UF MAGNESYN (TRADEMARK)  
 SELSYNS (TRADEMARK)  
 SERVOS  
 GS CONTROLLERS  
 . SERVOMECHANISMS  
 . . **SERVOMOTORS**  
 MOTORS  
 . **SERVOMOTORS**  
 RT ACTUATORS  
 AMPLIDYNES  
 AUTOMATIC CONTROL  
 ELECTRIC MOTORS  
 HELIOSTATS  
 ∞ ROTATING ELECTRICAL MACHINES  
 ∞ SENSORS  
 ∞ SERVOCONTROL  
 SLEWING  
 SYNCHRONIZERS  
 TORQUE MOTORS

**SERVOS**

- USE SERVOMOTORS

**SERVOSTABILITY CONTROL**

- USE SERVOCONTROL

**SES**

- USE SURFACE EFFECT SHIPS

**SET**

- SN (EXCLUDES SET THEORY)  
 GS MECHANICAL PROPERTIES  
 . **SET**  
 RT DEFORMATION

**SET-(CONT.)**

- SHEAR PROPERTIES

**SET THEORY**

- UF SUBSETS (MATHEMATICS)  
 GS MATHEMATICAL LOGIC  
 . **SET THEORY**  
 . . BOREL SETS  
 . . EQUIVALENCE  
 . . THRESHOLD LOGIC  
 RT BOOLEAN ALGEBRA  
 BRANCHING (MATHEMATICS)  
 COMBINATORIAL ANALYSIS  
 ∞ CONJUNCTION  
 FIBONACCI NUMBERS  
 FRACTALS  
 FUZZY SETS  
 FUZZY SYSTEMS  
 GRAPH THEORY  
 HOMOTROPY  
 HYPERPLANES  
 LATTICES (MATHEMATICS)  
 LEBESGUE THEOREM  
 ORLICZ SPACE  
 PERMUTATIONS  
 ∞ SPACE  
 SUBDIVISIONS  
 SUBGROUPS  
 ∞ THEORIES
- SETI**  
 USE PROJECT SETI
- ∞ **SETTING**  
 SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)  
 RT ADJUSTING  
 COAGULATION  
 CURING  
 HARDENING (MATERIALS)  
 POLYMERIZATION  
 POSITIONING  
 SOLIDIFICATION

**SETTLING**

- RT ACCUMULATIONS  
 AGGLOMERATION  
 AGITATION  
 BENEFICIATION  
 COAGULATION  
 COALESCING  
 CONCENTRATING  
 CRYSTALLIZATION  
 DEPOSITION  
 EFFLUENTS  
 FLOCCULATING  
 FLOTATION  
 PARTICLE MOTION  
 PRECIPITATION (CHEMISTRY)  
 ∞ PROCESSING  
 ∞ SEPARATION  
 SIZE SEPARATION  
 STOKES LAW (FLUID MECHANICS)  
 SUBSIDENCE  
 WATER TREATMENT

**SETUPS**

- RT MACHINING  
 TOOLING

**SEVERE STORMS OBSERVING SATELLITE**

- USE STORMSAT SATELLITE

**SEWAGE**

- GS WASTES  
 . **SEWAGE**  
 . . SOLID WASTES  
 RT ACTIVATED SLUDGE  
 EFFLUENTS  
 ENVIRONMENT EFFECTS  
 HUMAN WASTES  
 LIQUID WASTES  
 METABOLIC WASTES  
 ORGANIC WASTES (FUEL CONVERSION)  
 SEWERS  
 WASTE DISPOSAL  
 WATER TREATMENT

**SEWAGE TREATMENT**

- GS WASTE TREATMENT  
 . **SEWAGE TREATMENT**  
 RT AEROBES  
 ANAEROBES  
 CHEMICAL STERILIZATION

## SEWERS

### SEWAGE TREATMENT-(CONT.)

FILTRATION  
MODULAR INTEGRATED UTILITY SYSTEM  
PURIFICATION  
SEDIMENTS  
SLUDGE  
∞ TREATMENT  
WASTE DISPOSAL

### SEWERS

GS PIPELINES  
RT . SEWERS  
DRAINAGE  
EFFLUENTS  
GARBAGE  
HUMAN WASTES  
METABOLIC WASTES  
SANITATION  
SEWAGE  
WASTE DISPOSAL  
WASTES

### SEWING

RT BINDING  
∞ JOINING  
NEEDLES  
WEAVING

### SEX

RT ∞ DRIVES  
FEMALES  
MALES  
SEX FACTOR

### SEX FACTOR

RT FEMALES  
MALES  
PHYSIOLOGICAL FACTORS  
PHYSIOLOGY  
PSYCHOLOGICAL FACTORS  
SEX  
SEX GLANDS

### SEX GLANDS

GS ANATOMY  
GENITOURINARY SYSTEM  
REPRODUCTIVE SYSTEMS  
SEX GLANDS  
GONADS  
OVARIES  
TESTES  
PROSTATE GLAND  
GLANDS (ANATOMY)  
SEX GLANDS  
GONADS  
OVARIES  
TESTES  
PROSTATE GLAND  
RT ESTROGENS  
∞ REPRODUCTION  
SEX FACTOR

### SEXTANTS

GS MEASURING INSTRUMENTS  
OPTICAL MEASURING INSTRUMENTS  
SEXTANTS  
OPTICAL EQUIPMENT  
OPTICAL MEASURING INSTRUMENTS  
SEXTANTS  
RT NAVIGATION AIDS  
POSITION INDICATORS  
STADIMETERS  
THEODOLITES  
TRANSITS

### SEYFERT GALAXIES

GS CELESTIAL BODIES  
GALAXIES  
ACTIVE GALAXIES  
SEYFERT GALAXIES  
RT ACTIVE GALACTIC NUCLEI  
GALACTIC NUCLEI  
INFRARED RADIATION  
LINE SPECTRA  
LUMINOUS INTENSITY  
MARKARIAN GALAXIES  
SPIRAL GALAXIES  
STELLAR SPECTRA  
ULTRAVIOLET RADIATION

### SFAR

USE SOUND FIXING AND RANGING

### SFERICS

USE ATMOSPHERICS

### SGEMP

USE SYSTEM GENERATED  
ELECTROMAGNETIC PULSES

### SGR (NUCLEAR REACTORS)

USE SODIUM GRAPHITE REACTORS

### SH-3 HELICOPTER

UF HSS-2 HELICOPTER  
SEA KING HELICOPTER  
SIKORSKY HSS-2 HELICOPTER  
GS ANTISUBMARINE WARFARE AIRCRAFT  
SH-3 HELICOPTER  
SIKORSKY AIRCRAFT  
SH-3 HELICOPTER  
TRANSPORT AIRCRAFT  
SH-3 HELICOPTER  
V/STOL AIRCRAFT  
ROTARY WING AIRCRAFT  
HELICOPTERS  
SH-3 HELICOPTER  
RT S-61 HELICOPTER  
SH-4 HELICOPTER

### SH-4 HELICOPTER

GS ANTISUBMARINE WARFARE AIRCRAFT  
SH-4 HELICOPTER  
SIKORSKY AIRCRAFT  
SH-4 HELICOPTER  
TRANSPORT AIRCRAFT  
SH-4 HELICOPTER  
V/STOL AIRCRAFT  
ROTARY WING AIRCRAFT  
HELICOPTERS  
SH-4 HELICOPTER  
RT S-61 HELICOPTER  
SH-3 HELICOPTER

### SHACKLETON BOMBER

GS ATTACK AIRCRAFT  
BOMBER AIRCRAFT  
SHACKLETON BOMBER  
HAWKER SIDDELEY AIRCRAFT  
SHACKLETON BOMBER  
MONOPLANES  
SHACKLETON BOMBER

### SHADES

RT LOUVERS  
SHIELDING  
∞ SHUTTERS

### SHADOWGRAPH PHOTOGRAPHY

UF SHADOWGRAPHS  
SPARK SHADOWGRAPH PHOTOGRAPHY  
GS IMAGERY  
SHADOWGRAPH PHOTOGRAPHY  
SCHLIEREN PHOTOGRAPHY  
PHOTOGRAPHY  
SHADOWGRAPH PHOTOGRAPHY  
SCHLIEREN PHOTOGRAPHY  
RT BLACK AND WHITE PHOTOGRAPHY  
COLOR PHOTOGRAPHY  
FLOW VISUALIZATION  
WIND TUNNEL MODELS

### SHADOWGRAPHS

USE SHADOWGRAPH PHOTOGRAPHY

### SHADOWS

GS SHADOWS  
LUNAR SHADOW  
PENUMBRAS  
RT CLOUD COVER  
CLOUDS (METEOROLOGY)  
DARKNESS  
ILLUMINATING  
LIGHT (VISIBLE RADIATION)  
NIGHT  
SELF SHADOWING  
UMBRA

### SHAFTS (MACHINE ELEMENTS)

UF AXLES  
JOURNALS (SHAFTS)  
TRUNNIONS  
GS SHAFTS (MACHINE ELEMENTS)  
ROTATING SHAFTS  
TURBOSHAFTS  
RT AXES OF ROTATION  
BEARINGS

### SHAFTS (MACHINE ELEMENTS)-(CONT.)

BUSHINGS  
∞ JOURNALS  
LOADING  
LOADS (FORCES)  
MANDRELS  
MECHANICAL DRIVES  
PACKINGS (SEALS)  
PINTLES  
PIVOTS  
ROTATING CYLINDERS  
SPINDLES  
SUPPORTS  
TORQUE  
TRANSMISSIONS (MACHINE ELEMENTS)  
VEHICLE WHEELS  
WHEELS

### SHAKERS

RT CLASSIFIERS  
MIXERS  
SEPARATORS  
SHAKING  
SIEVES  
SIZING SCREENS  
VERTICAL MOTION SIMULATORS  
VIBRATION SIMULATORS

### SHAKING

GS SHAKING  
DITHERS  
RT AGITATION  
BUFFETING  
DISPERSING  
EPILEPSY  
FLAPPING  
FLUTTER  
MIXING  
SEPARATION  
SHAKERS  
STRUCTURAL VIBRATION  
SUSPENDING (MIXING)  
SWIRLING  
VIBRATION

### SHALE OIL

GS OILS  
SHALE OIL  
RT FUEL OILS  
FUELS  
GASOLINE  
HYDROCARBON FUELS  
KEROGEN  
KEROSENE  
LUBRICATING OILS  
PARAFFINS  
RETORT PROCESSING

### SHALES

GS ROCKS  
SEDIMENTARY ROCKS  
SHALES  
RT BOREHOLES  
CLAYS  
EARTH RESOURCES  
MINERALS  
SOILS

### SHALLOW SHELL EQUATIONS

RT END PLATES  
EQUATIONS  
PRESSURE VESSELS  
STRESS ANALYSIS

### SHALLOW SHELLS

GS SHELLS (STRUCTURAL FORMS)  
SHALLOW SHELLS  
RT CRITICAL LOADING  
SHELL STABILITY  
SHELL THEORY

### SHALLOW WATER

GS WATER  
SHALLOW WATER  
RT CNOIDAL WAVES  
FISHERIES  
OCEANOGRAPHY  
OCEANS  
REEFS  
SEAS  
SHORELINES  
TOPOGRAPHY  
WATER DEPTH

**SHANKS**

USE JOINTS (JUNCTIONS)

**SHANNON INFORMATION THEORY**

USE INFORMATION THEORY

**SHANNON-WIENER MEASURE**

RT ENTROPY  
INFORMATION THEORY  
RANDOM VARIABLES

**SHAPE CONTROL**

RT ACTUATORS  
COLUMBUS SPACE STATION  
∞ CONTROL  
CONTROL THEORY  
FLEXIBLE SPACECRAFT  
LARGE SPACE STRUCTURES  
SPACE PLATFORMS  
SPACECRAFT CONTROL

**SHAPE MEMORY ALLOYS**

GS ALLOYS  
. SHAPE MEMORY ALLOYS  
. . . NITINOL ALLOYS  
RT MICROSTRUCTURE  
NICKEL ALLOYS  
PHASE TRANSFORMATIONS  
PLASTIC MEMORY  
STRESS-STRAIN DIAGRAMS  
TEMPERATURE EFFECTS  
TITANIUM ALLOYS  
TRANSITION METALS

**SHAPED CHARGES**

GS EXPLOSIVE DEVICES  
. SHAPED CHARGES  
RT AMMUNITION  
BOMBS (ORDNANCE)  
EXPLOSIVE FORMING  
EXPLOSIVES  
PROJECTILES  
TORPEDOES  
WARHEADS  
WEAPONS

**SHAPERS**

GS TOOLS  
. MACHINE TOOLS  
. . . SHAPERS  
RT GRINDING MACHINES  
MILLING MACHINES

**SHAPES**

UF CURVED SURFACES  
FORM  
GS SHAPES  
. CONVEXITY  
. ELLIPTICITY  
. FLATNESS  
. LINE SHAPE  
. OGEE SHAPE  
. ROSETTE SHAPES  
. T SHAPE  
RT ASYMMETRY  
CONCAVITY  
CONTOUR SENSORS  
CONTOURS  
CORNERS  
∞ CROSS SECTIONS  
CURVATURE  
CURVED PANELS  
GEOIDS  
GEOMETRY  
MORPHOLOGY  
OBLATE SPHEROIDS  
PLANFORMS  
∞ PROFILES  
PROFILOMETERS  
PROLATENESS  
∞ SURFACE GEOMETRY  
SYMMETRY  
TOPOLOGY

**SHARKS**

GS ANIMALS  
. VERTEBRATES  
. . . FISHES  
. . . SHARKS

**SHARP LEADING EDGES**

GS EDGES  
. LEADING EDGES  
. . SHARP LEADING EDGES

**SHARP LEADING EDGES-(CONT.)**

RT AIRFOILS  
FOREBODIES  
TRAILING EDGES

**∞ SHARPNESS**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT CLARITY  
CONTRAST  
PRECISION

**SHATTER CONES**

GS CONES  
. SHATTER CONES  
ROCKS  
. SHATTER CONES  
RT CARBONACEOUS ROCKS  
CRUSTAL FRACTURES  
FORMATIONS  
GEOLOGY  
GEOMORPHOLOGY  
METEORITE COLLISIONS  
METEORITE CRATERS  
SEDIMENTARY ROCKS  
SHOCK LOADS  
STRIATION  
STRUCTURAL PROPERTIES (GEOLOGY)

**SHATTERING**

USE FRAGMENTATION

**SHAWNEE HELICOPTER**

USE CH-21 HELICOPTER

**∞ SHEAR**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT DILATATIONAL WAVES  
SHEARING  
SHEARS

**SHEAR CREEP**

GS MECHANICAL PROPERTIES  
. CREEP PROPERTIES  
. . SHEAR CREEP  
RT PLASTIC DEFORMATION  
TENSILE CREEP

**SHEAR DISTURBANCES**

USE S WAVES

**SHEAR FATIGUE**

USE SHEAR STRESS

**SHEAR FLOW**

GS FLUID FLOW  
. SHEAR FLOW  
RT COAXIAL FLOW  
CORE FLOW  
CREEP PROPERTIES  
∞ FLOW  
GRAZING FLOW  
KOLMOGOROFF THEORY  
KROOK EQUATION  
MIXING LENGTH FLOW THEORY  
PLASTIC FLOW  
RICHARDSON NUMBER  
STRATIFIED FLOW

**SHEAR LAYERS**

UF CHAPMAN SHEAR LAYER  
RT BOUNDARY LAYERS  
EARTH IONOSPHERE  
∞ LAYERS  
SHOCK LAYERS  
SHOCK WAVE CONTROL  
∞ TRANSITION LAYERS

**SHEAR PROPERTIES**

GS MECHANICAL PROPERTIES  
. SHEAR PROPERTIES  
. . SHEAR STRENGTH  
RT CREEP PROPERTIES  
DUCTILITY  
FATIGUE (MATERIALS)  
HOOKES LAW  
HYSTERESIS  
IMPACT STRENGTH  
MODULUS OF ELASTICITY  
∞ PROPERTIES  
RESILIENCE

**SHEAR PROPERTIES-(CONT.)**

SET  
STRESS RELAXATION  
STRESS-STRAIN DIAGRAMS  
STRESSES  
TEMPERATURE INVERSIONS  
TOUGHNESS

**SHEAR STRAIN**

RT MECHANICAL PROPERTIES  
STRUCTURAL STRAIN  
TORSIONAL VIBRATION

**SHEAR STRENGTH**

GS MECHANICAL PROPERTIES  
. SHEAR PROPERTIES  
. . SHEAR STRENGTH  
RT COMPRESSIVE STRENGTH  
FIBER STRENGTH  
HIGH STRENGTH  
INTERFACIAL ENERGY  
∞ STRENGTH  
TENSILE STRENGTH

**SHEAR STRESS**

UF SHEAR FATIGUE  
SHEARING STRESS  
GS STRESSES  
. SHEAR STRESS  
. . TORSIONAL STRESS  
RT MECHANICAL PROPERTIES

**SHEAR WAVES**

USE S WAVES

**SHEARING**

GS CUTTING  
. SHEARING  
RT BLANKING (CUTTING)  
COLD WORKING  
FAILURE  
FAILURE MODES  
HOT WORKING  
LOADS (FORCES)  
METAL CUTTING  
METAL WORKING  
∞ SEPARATION  
∞ SHEAR  
SHEARS  
STAMPING  
STRUCTURAL STRAIN

**SHEARING STRESS**

USE SHEAR STRESS

**SHEARS**

GS CUTTERS  
. SHEARS  
TOOLS  
. SHEARS  
RT MACHINE TOOLS  
SAWS  
∞ SHEAR  
SHEARING

**SHEATHS**

GS SHEATHS  
. ION SHEATHS  
. PLASMA SHEATHS  
RT ∞ CASING  
ENCAPSULATING  
FAIRINGS  
JACKETS  
LININGS  
PROTECTORS  
ROOFS  
WALLS

**SHEDDING**

RT EJECTION  
MOLTING  
PEELING  
VORTEX SHEDDING

**SHEDS**

RT SHELTERS

**SHEEP**

GS ANIMALS  
. VERTEBRATES  
. . MAMMALS  
. . . SHEEP  
RT LIVESTOCK  
WOOL



## SHEET METAL

**SHEET METAL**  
USE METAL SHEETS

### ∞ SHEETS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT COATINGS  
CURRENT SHEETS  
ELASTIC SHEETS  
FABRICS  
FLAT PLATES  
LAMINATES  
MEMBRANE STRUCTURES  
MEMBRANES  
METAL FOILS  
METAL SHEETS  
MULTILAYER INSULATION  
NEUTRAL SHEETS  
PANELS  
PAPERS  
POLYMERIC FILMS  
THICK PLATES  
THIN PLATES  
VORTEX SHEETS  
VORTEX STREETS  
WEBS (SHEETS)

### SHELL ANODES

GS ELECTRODES  
ANODES  
SHELL ANODES  
RT HEAT MEASUREMENT

### SHELL STABILITY

GS MECHANICAL PROPERTIES  
DIMENSIONAL STABILITY  
STRUCTURAL STABILITY  
SHELL STABILITY  
STABILITY  
STATIC STABILITY  
DIMENSIONAL STABILITY  
STRUCTURAL STABILITY  
SHELL STABILITY  
RT BUCKLING  
FLUID FILLED SHELLS  
LIQUID FILLED SHELLS  
ORTHOTROPIC SHELLS  
PLASTIC SHELLS  
REINFORCED SHELLS  
SHALLOW SHELLS

### SHELL THEORY

RT PERFORATED SHELLS  
SELF CONSISTENT FIELDS  
SHALLOW SHELLS  
∞ THEORIES

### SHELLFISH

RT COASTAL WATER  
MARINE BIOLOGY  
MARINE ENVIRONMENTS  
MARINE RESOURCES  
MOLLUSKS

### SHELLS (STRUCTURAL FORMS)

GS SHELLS (STRUCTURAL FORMS)  
ANISOTROPIC SHELLS  
CIRCULAR SHELLS  
CONICAL SHELLS  
CORRUGATED SHELLS  
CYLINDRICAL SHELLS  
DOMES (STRUCTURAL FORMS)  
RADOMES  
ELASTIC SHELLS  
FLUID FILLED SHELLS  
LIQUID FILLED SHELLS  
HEMISPHERICAL SHELLS  
METAL SHELLS  
ORTHOTROPIC SHELLS  
PERFORATED SHELLS  
PLASTIC SHELLS  
REINFORCED SHELLS  
SHALLOW SHELLS  
SPHERICAL SHELLS  
SPHERICAL CAPS  
THIN WALLED SHELLS  
TOROIDAL SHELLS  
RT AIRCRAFT STRUCTURES  
ARCHES  
BAYS (STRUCTURAL UNITS)  
∞ CAPSULES  
COVERINGS  
COWLINGS  
ENCLOSURES

### SHELLS (STRUCTURAL FORMS)-(CONT.)

FAIRINGS  
HOUSINGS  
HULLS (STRUCTURES)  
ISOTENSOID STRUCTURES  
MEMBRANE STRUCTURES  
MEMBRANES  
MONOCOQUE STRUCTURES  
NACELLES  
PRESSURE VESSEL DESIGN  
PROTUBERANCES  
ROCKET ENGINE CASES  
SKIN (STRUCTURAL MEMBER)  
WALLS

### SHELTERS

GS SHELTERS  
LUNAR SHELTERS  
RT BUILDINGS  
CIVIL DEFENSE  
ENVIRONMENTAL ENGINEERING  
HABITABILITY  
SHEDS  
STARSITE PROGRAM  
SURVIVAL

### ∞ SHELVES

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT BEDROCK  
CASES (CONTAINERS)  
CLIFFS  
CONTINENTAL SHELVES  
RACKS (FRAMES)  
REEFS

### SHENANDOAH VALLEY (VA)

GS VALLEYS  
SHENANDOAH VALLEY (VA)  
RT RIVER BASINS  
VIRGINIA

### SHIELDING

GS SHIELDING  
ELECTROMAGNETIC SHIELDING  
RADIO FREQUENCY SHIELDING  
ELECTROSTATIC SHIELDING  
HEAT SHIELDING  
REENTRY SHIELDING  
REUSABLE HEAT SHIELDING  
MAGNETIC SHIELDING  
RADIATION SHIELDING  
SOLAR RADIATION SHIELDING  
SPACECRAFT SHIELDING  
RT ABLATIVE NOSE CONES  
ABSORBERS (MATERIALS)  
ARMOR  
ATTENUATION  
ATTENUATORS  
BAFFLES  
∞ BARRIERS  
BLAST DEFLECTORS  
BLINDS  
DEFLECTORS  
DIVERTERS  
ENCLOSURES  
FLAME DEFLECTORS  
GUARDS (SHIELDS)  
HOUSINGS  
LININGS  
LOUVERS  
MANIPULATORS  
PANELS  
PROTECTION  
PROTECTORS  
SAFETY DEVICES  
∞ SCREENS  
SHADES  
SUPPRESSORS  
WINDOWS (APERTURES)  
WINDSHIELDS

### SHIELDS (GEOLOGY)

USE BEDROCK

### ∞ SHIFT

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT EXCHANGING  
FREQUENCY SHIFT  
PHASE SHIFT  
SHIFT REGISTERS  
TRANSFERRING

### SHIFT REGISTERS

RT COMPUTER COMPONENTS  
COMPUTER STORAGE DEVICES  
DELAY LINES (COMPUTER STORAGE)  
DIGITAL TECHNIQUES  
REGISTERS (COMPUTERS)  
∞ SHIFT

### SHIFTING EQUILIBRIUM FLOW

GS FLUID FLOW  
GAS FLOW  
EQUILIBRIUM FLOW  
SHIFTING EQUILIBRIUM FLOW  
RT FROZEN EQUILIBRIUM FLOW

### SHILLELAGH MISSILES

GS MISSILES  
SURFACE TO SURFACE MISSILES  
ANTITANK MISSILES  
SHILLELAGH MISSILES

### SHIP HULLS

GS HULLS (STRUCTURES)  
SHIP HULLS  
RT HYDRODYNAMIC COEFFICIENTS  
HYDRODYNAMICS  
SHIPS  
STRUCTURAL DESIGN  
SUBMARINES

### SHIP TERMINALS

GS TERMINAL FACILITIES  
SHIP TERMINALS  
RT ARTIFICIAL HARBORS  
DEEPWATER TERMINALS  
HARBORS  
MAROTS (ESA)  
OFFSHORE DOCKING  
TANKER TERMINALS  
∞ TERMINALS  
WHARVES

### SHIP TO SHORE COMMUNICATION

GS TELECOMMUNICATION  
COMMUNICATION  
SHIP TO SHORE COMMUNICATION  
RT DATA TRANSMISSION  
RADIO COMMUNICATION  
SHIPS  
TELEMETRY

### SHIPS

GS WATER VEHICLES  
SHIPS  
ADVANCED RANGE  
INSTRUMENTATION SHIP  
AIRCRAFT CARRIERS  
CARGO SHIPS  
SAVANNAH NUCLEAR SHIP  
TANKER SHIPS  
NUCLEAR POWERED SHIPS  
SAVANNAH NUCLEAR SHIP  
SATELLITE COMMUNICATIONS SHIPS  
SUBMARINES  
BALLISTIC MISSILE SUBMARINES  
GUIDED MISSILE SUBMARINES  
TRIDENT SUBMARINE  
SURFACE EFFECT SHIPS  
SWATH (SHIP)  
RT AMPHIBIOUS VEHICLES  
ANTISHIP MISSILES  
ANTISHIP WARFARE  
BOATS  
HARBORS  
HYDROFOIL CRAFT  
HYDROFOILS  
KEELS  
MARINE TRANSPORTATION  
∞ MILITARY VEHICLES  
NAVY  
OCEAN DATA ACQUISITIONS SYSTEMS  
PROPELLERS  
RESEARCH VEHICLES  
SHIP HULLS  
SHIP TO SHORE COMMUNICATION  
SHIPYARDS  
SURFACE NAVIGATION  
SURFACE VEHICLES  
∞ TRANSPORT VEHICLES  
TRANSPORTATION ENERGY  
UNDERWATER VEHICLES  
∞ VESSELS

### SHIPYARDS

RT CARGO SHIPS

## SHOCK WAVES

### SHIPYARDS-(CONT.)

CONSTRUCTION  
ENCLOSURES  
INDUSTRIAL AREAS  
INDUSTRIES  
LOGISTICS  
MAINTENANCE  
OCEANOGRAPHY  
∞ PORTS  
SHIPS  
TANKER SHIPS  
WATER VEHICLES

### SHIVA LASER SYSTEM

GS STIMULATED EMISSION DEVICES  
. LASERS  
. HIGH POWER LASERS  
. . . SHIVA LASER SYSTEM  
RT COHERENT LIGHT  
LASER FUSION  
LASER OUTPUTS  
NOVA LASER SYSTEM  
∞ SYSTEMS

### SHIVERING

GS SHIVERING  
. DITHERS  
RT BODY TEMPERATURE

### SHOALS

GS WATER  
. SHOALS  
RT BEACHES  
LAKES  
OCEANOGRAPHY  
OCEANS  
REEFS  
RIVERS  
SEAS  
WATER DEPTH

### ∞ SHOCK

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED-CONSULT THE TERMS  
LISTED BELOW)*  
RT CONVULSIONS  
MECHANICAL SHOCK  
SHOCK (PHYSIOLOGY)  
SHOCK RESISTANCE  
THERMAL SHOCK

### SHOCK (PHYSIOLOGY)

RT HUMAN REACTIONS  
HUMAN TOLERANCES  
PHYSIOLOGICAL EFFECTS  
∞ SHOCK

### SHOCK ABSORBERS

RT ∞ ABSORBERS  
ABSORBERS (EQUIPMENT)  
CUSHIONS  
DAMPING  
ENERGY ABSORPTION  
HYDRAULIC EQUIPMENT  
IMPACT  
IMPACT ACCELERATION  
ISOLATORS  
LANDING GEAR  
MECHANICAL SHOCK  
PNEUMATIC EQUIPMENT  
SILENCERS  
SPRINGS (ELASTIC)  
SUSPENSION SYSTEMS (VEHICLES)  
VIBRATION DAMPING  
VIBRATION ISOLATORS

### SHOCK DIFFUSERS

USE DIFFUSERS  
SHOCK WAVE ATTENUATION

### SHOCK DISCONTINUITY

GS DISCONTINUITY  
. SHOCK DISCONTINUITY  
RT DENSITY DISTRIBUTION  
WAVE FRONTS

### SHOCK FRONTS

GS WAVE FRONTS  
. SHOCK FRONTS  
RT ∞ FRONTS  
MAGNETOSHEATH  
WAVE PROPAGATION  
WAVE SCATTERING

### SHOCK HEATING

GS HEATING  
. KINETIC HEATING  
. . . AERODYNAMIC HEATING  
. . . SHOCK HEATING  
. . . TRANSIENT HEATING  
. . . SHOCK HEATING  
RT MAGNETOHYDRODYNAMIC SHEAR  
HEATING  
PLASMA HEATING

### SHOCK LAYERS

RT ∞ LAYERS  
NORMAL SHOCK WAVES  
OBLIQUE SHOCK WAVES  
SHEAR LAYERS  
STRESS WAVES  
∞ TRANSITION LAYERS

### SHOCK LOADS

GS LOADS (FORCES)  
. DYNAMIC LOADS  
. . . TRANSIENT LOADS  
. . . SHOCK LOADS  
. . . . BLAST LOADS  
RT AERODYNAMIC LOADS  
AXIAL COMPRESSION LOADS  
COMPRESSION LOADS  
CONTACT LOADS  
CRUSTAL FRACTURES  
IMPACT LOADS  
LANDING LOADS  
SHATTER CONES  
STRUCTURAL DESIGN CRITERIA

### SHOCK MEASURING INSTRUMENTS

GS MEASURING INSTRUMENTS  
. SHOCK MEASURING INSTRUMENTS  
RT ACCELEROMETERS  
PRESSURE GAGES  
SEISMOGRAPHS  
STRAIN GAGES

### SHOCK RESISTANCE

GS SHOCK RESISTANCE  
. IMPACT RESISTANCE  
RT EARTHQUAKE RESISTANCE  
HIGH ACCELERATION  
IMPACT  
MECHANICAL PROPERTIES  
MECHANICAL SHOCK  
PROPELLANT SENSITIVITY  
∞ RESISTANCE  
SENSITIVITY  
∞ SHOCK  
THERMAL SHOCK  
VIBRATION

### SHOCK SIMULATORS

GS SIMULATORS  
. SHOCK SIMULATORS  
RT VERTICAL MOTION SIMULATORS  
VIBRATION SIMULATORS

### SHOCK SPECTRA

GS SPECTRA  
. SHOCK SPECTRA  
RT DYNAMIC STRUCTURAL ANALYSIS  
ENERGY SPECTRA  
MECHANICAL SHOCK  
NOISE SPECTRA  
STROKING TESTS  
STRUCTURAL DESIGN  
STRUCTURAL VIBRATION

### SHOCK TESTS

RT DROP TESTS  
IMPACT TESTS  
LOAD TESTS  
RAILROAD HUMMING TESTS  
∞ TESTS  
VIBRATION TESTS

### SHOCK TUBES

GS SHOCK WAVE GENERATORS  
. SHOCK TUBES  
. . . MAGNETIC ANNULAR SHOCK TUBES  
. . . SHOCK TUNNELS  
RT GAS TEMPERATURE  
HOTSHOT WIND TUNNELS  
HYPERSONIC FLOW  
HYPERSONIC WIND TUNNELS  
HYPERVELOCITY WIND TUNNELS  
LOW DENSITY RESEARCH  
LOW DENSITY WIND TUNNELS

### SHOCK TUBES-(CONT.)

MAGNETIC PISTONS  
TEST FACILITIES  
TUBE LASERS  
∞ TUBES

### SHOCK TUNNELS

GS SHOCK WAVE GENERATORS  
. SHOCK TUBES  
. . . SHOCK TUNNELS  
TEST FACILITIES  
WIND TUNNELS  
. . . HYPERSONIC WIND TUNNELS  
. . . SHOCK TUNNELS  
. . . HYPERVELOCITY WIND TUNNELS  
. . . SHOCK TUNNELS  
RT CASCADE WIND TUNNELS  
HOTSHOT WIND TUNNELS  
HYPERSONIC FLOW  
LOW DENSITY RESEARCH  
LOW DENSITY WIND TUNNELS  
SUPERSONIC WIND TUNNELS

### SHOCK WAVE ATTENUATION

UF SHOCK DIFFUSERS  
GS ATTENUATION  
. WAVE ATTENUATION  
. . . ACOUSTIC ATTENUATION  
. . . SHOCK WAVE ATTENUATION  
RT ATMOSPHERIC ATTENUATION  
NOISE REDUCTION  
WAVE PROPAGATION

### SHOCK WAVE CONTROL

RT ∞ CONTROL  
SECONDARY INJECTION  
SHEAR LAYERS

### SHOCK WAVE GENERATORS

GS SHOCK WAVE GENERATORS  
. SHOCK TUBES  
. . . MAGNETIC ANNULAR SHOCK TUBES  
. . . SHOCK TUNNELS  
RT ∞ GENERATORS  
MAGNETIC PISTONS  
PRESSURE SENSORS  
PULSE GENERATORS  
WAVE GENERATION

### SHOCK WAVE INTERACTION

GS WAVE INTERACTION  
. SHOCK WAVE INTERACTION  
RT ∞ INTERACTIONS  
PROPAGATION MODES  
SCATTERING  
WAVE DEGRADATION

### SHOCK WAVE LUMINESCENCE

GS EMISSION  
. LIGHT EMISSION  
. . . LUMINESCENCE  
. . . SHOCK WAVE LUMINESCENCE  
RT LOW DENSITY RESEARCH  
WAVE INTERACTION

### SHOCK WAVE PROFILES

RT KROOK EQUATION  
PRESSURE DISTRIBUTION  
∞ PROFILES  
VELOCITY DISTRIBUTION  
WAVE INTERACTION

### SHOCK WAVE PROPAGATION

GS TRANSMISSION  
. WAVE PROPAGATION  
. . . SHOCK WAVE PROPAGATION  
RT ATMOSPHERIC ATTENUATION  
BURGER EQUATION  
CROCCO METHOD  
HIGH TEMPERATURE GASES  
NONEQUILIBRIUM RADIATION  
RANKINE-HUGONIOT RELATION  
SECONDARY INJECTION  
SOUND PROPAGATION  
TWO FLUID MODELS  
WAVE ATTENUATION  
WAVE INTERACTION

### SHOCK WAVES

UF BOW SHOCK WAVES  
GS ELASTIC WAVES  
. SHOCK WAVES  
. . . DETONATION WAVES  
. . . MACH CONES

## SHOES

### SHOCK WAVES-(CONT.)

- ... NORMAL SHOCK WAVES
- ... OBLIQUE SHOCK WAVES
- ... RIEMANN WAVES
- ... SONIC BOOMS
- RT ADIABATIC EQUATIONS
- AERODYNAMIC NOISE
- BLAST LOADS
- ∞ BLASTS
- BOW WAVES
- CAUSTIC LINES
- CRUSTAL FRACTURES
- DETONATION
- EARTHQUAKE DAMAGE
- EARTHQUAKE RESISTANCE
- EARTHQUAKE RESISTANT STRUCTURES
- EARTHQUAKES
- ELECTROSTATIC WAVES
- EXPLODING WIRES
- EXPLOSIONS
- GAS TEMPERATURE
- GEODYNAMICS
- HUGONIOT EQUATION OF STATE
- HYPERSONIC FLOW
- HYPERSONIC SHOCK
- HYPERSONIC WAKES
- IMPACT
- IMPLOSIONS
- LONGITUDINAL WAVES
- MACH NUMBER
- MACH REFLECTION
- MAGNETOHYDRODYNAMIC WAVES
- MECHANICAL SHOCK
- MOLECULAR RELAXATION
- NOISE (SOUND)
- NOVAE
- PLANE WAVES
- PLANETARY QUAKES
- PLASMA WAVES
- PLUMES
- PRESSURE PULSES
- SEISMIC WAVES
- SOUND PRESSURE
- SOUND WAVES
- STRESS WAVES
- SUPERSONIC FLOW
- ∞ TRANSITION LAYERS
- TRANSONIC FLOW
- TSUNAMI WAVES
- UNDERWATER ACOUSTICS
- UNDERWATER COMMUNICATION
- ∞ WAVES
- WEDGE FLOW
- WHITHAM RULE

### SHOES

- GS CLOTHING
- ... SHOES
- RT BOOTS (FOOTWEAR)
- LEATHER
- PROTECTIVE CLOTHING
- SOCKS

### SHOOTING STAR AIRCRAFT

- USE T-33 AIRCRAFT

### SHOPS

- RT MAINTENANCE

### SHORAN

- UF SHORT RANGE NAVIGATION
- GS NAVIGATION
- ... RADIO NAVIGATION
- ... HYPERBOLIC NAVIGATION
- ... SHORAN
- RT AIR NAVIGATION
- DECCA NAVIGATION
- DISTANCE MEASURING EQUIPMENT
- NAVIGATION AIDS
- SOLAR COMPASSES

### SHORELINES

- RT BEACHES
- COASTAL WATER
- COASTS
- LAKES
- OCEANOGRAPHY
- OCEANS
- RIVERS
- SHALLOW WATER
- TIDAL FLATS
- WETLANDS

### SHORT BELFAST C MK-1 AIRCRAFT

- USE SC-5 AIRCRAFT

### SHORT CIRCUIT CURRENTS

- GS ELECTRIC CURRENT
- ... SHORT CIRCUIT CURRENTS
- RT OPEN CIRCUIT VOLTAGE
- PHOTOVOLTAIC CELLS
- SHORT CIRCUITS
- SOLAR CELLS
- VOLT-AMPERE CHARACTERISTICS

### SHORT CIRCUITS

- GS ELECTRICAL FAULTS
- ... SHORT CIRCUITS
- RT CIRCUITS
- ELECTRIC ARCS
- FAILURE
- JUMPERS
- SHORT CIRCUIT CURRENTS
- SNEAK CIRCUIT ANALYSIS
- SYSTEM FAILURES

### SHORT CRACKS

- GS FRACTURES (MATERIALS)
- ... CRACKS
- ... SHORT CRACKS
- RT CRACK GEOMETRY
- CRACK INITIATION
- CRACK PROPAGATION
- FATIGUE LIFE
- FRACTURE MECHANICS
- METAL FATIGUE

### SHORT HAUL AIRCRAFT

- GS TRANSPORT AIRCRAFT
- ... SHORT HAUL AIRCRAFT
- ... C-8A AUGMENTOR WING AIRCRAFT
- ... CESSNA 402B AIRCRAFT
- ... EUROPEAN AIRBUS
- ... A-300 AIRCRAFT
- ... A-310 AIRCRAFT
- ... A-320 AIRCRAFT
- ... MERCURE AIRCRAFT
- RT AIR TRANSPORTATION
- ∞ AIRCRAFT
- AIRCRAFT DESIGN
- AIRLINE OPERATIONS
- PASSENGER AIRCRAFT
- V/STOL AIRCRAFT

### SHORT RANGE BALLISTIC MISSILES

- GS MISSILES
- ... BALLISTIC MISSILES
- ... SHORT RANGE BALLISTIC MISSILES
- ... SURFACE TO SURFACE MISSILES
- ... SHORT RANGE BALLISTIC MISSILES
- RT FIELD ARMY BALLISTIC MISSILES
- INTERMEDIATE RANGE BALLISTIC MISSILES

### SHORT RANGE NAVIGATION

- USE SHORAN

### SHORT SC-1 AIRCRAFT

- USE SC-1 AIRCRAFT

### SHORT SC-5 AIRCRAFT

- USE SC-5 AIRCRAFT

### SHORT SC-7 AIRCRAFT

- USE SC-7 AIRCRAFT

### SHORT TAKEOFF AIRCRAFT

- UF STOL AIRCRAFT
- GS V/STOL AIRCRAFT
- ... SHORT TAKEOFF AIRCRAFT
- ... ALADIN 2 AIRCRAFT
- ... BREGUET 940 AIRCRAFT
- ... BREGUET 941 AIRCRAFT
- ... C-8A AUGMENTOR WING AIRCRAFT
- ... C-15 AIRCRAFT
- ... C-123 AIRCRAFT
- ... DHC 4 AIRCRAFT
- ... DHC 5 AIRCRAFT
- ... QUESTOL
- ... U-10 AIRCRAFT
- RT ∞ AIRCRAFT
- CIRCULATION CONTROL AIRFOILS
- COMPOUND HELICOPTERS
- EXTERNALLY BLOWN FLAPS
- FAN IN WING AIRCRAFT
- HELICOPTERS
- JATO ENGINES
- JET AIRCRAFT
- JET FLAPS
- LIFT FANS

### SHORT TAKEOFF AIRCRAFT-(CONT.)

- LIFTING ROTORS
- ∞ MILITARY AIRCRAFT
- POWERED LIFT AIRCRAFT
- ROTARY WING AIRCRAFT
- ∞ SUBSONIC AIRCRAFT
- TAKEOFF RUNS
- TILT WING AIRCRAFT
- VERTICAL TAKEOFF AIRCRAFT
- ∞ WINGED VEHICLES

### SHORT WAVE RADIATION

- SN (RADIO WAVES)
- GS ELECTROMAGNETIC RADIATION
- ... RADIO WAVES
- ... SHORT WAVE RADIATION
- ... MICROWAVES
- ... CENTIMETER WAVES
- ... DECIMETER WAVES
- ... MICROWAVE EMISSION
- ... MILLIMETER WAVES
- ... SUBMILLIMETER WAVES
- RT FAR INFRARED RADIATION
- HIGH FREQUENCIES
- LONG WAVE RADIATION
- MONOCHROMATIC RADIATION
- ∞ RADIATION

### SHORT WAVE RADIO TRANSMISSION

- GS TRANSMISSION
- ... ELECTROMAGNETIC WAVE
- ... TRANSMISSION
- ... RADIO TRANSMISSION
- ... SHORT WAVE RADIO TRANSMISSION
- ... SIGNAL TRANSMISSION
- ... RADIO TRANSMISSION
- ... SHORT WAVE RADIO TRANSMISSION
- RT HIGH FREQUENCIES
- WAVE PROPAGATION

### SHORTENING

- USE REDUCTION

### ∞ SHOT

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT AMMUNITION
- LAUNCHING
- ORBITAL SHOTS
- PELLETS
- SHOT NOISE
- SHOT PEENING

### SHOT NOISE

- GS ELECTROMAGNETIC INTERFERENCE
- ... RADIO FREQUENCY INTERFERENCE
- ... ELECTROMAGNETIC NOISE
- ... SHOT NOISE
- RT BARRITT DIODES
- ∞ SHOT
- THERMAL NOISE

### SHOT PEENING

- GS HARDENING (MATERIALS)
- ... SHOT PEENING
- ... METAL FINISHING
- ... PEENING
- ... SHOT PEENING
- RT COLD WORKING
- DESCALING
- FATIGUE (MATERIALS)
- METAL WORKING
- ∞ SHOT
- STRAIN HARDENING
- SURFACE FINISHING
- WORK HARDENING

### SHOULDERS

- RT JOINTS (ANATOMY)
- SCAPULA

### ∞ SHOWERS

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT COSMIC RAY SHOWERS
- FLOOD PREDICTIONS
- METEOROID SHOWERS
- RAIN
- RAIN FORESTS
- RAINSTORMS

- SHRAPNEL**  
RT FRAGMENTATION  
FRAGMENTS  
PROJECTILES  
WEAPONS
- SHREDDING**  
GS COMMUNION  
. **SHREDDING**  
RT COMPOSTING  
CUTTING  
TEARING
- SHREWS**  
GS ANIMALS  
. VERTEBRATES  
. MAMMALS  
. **SHREWS**
- SHRIKE MISSILE**  
GS MISSILES  
. AIR TO SURFACE MISSILES  
. **SHRIKE MISSILE**  
RT SOLID PROPELLANT ROCKET ENGINES
- SHRINKAGE**  
RT CASTING  
CONTRACTION  
GROWTH  
∞ REDUCTION  
SINTERING  
TEMPERATURE INVERSIONS  
WARPAGE
- SHROUDED BODIES**  
USE SHROUDS
- SHROUDED NOZZLES**  
RT ANNULAR NOZZLES  
NOZZLE GEOMETRY  
NOZZLE WALLS  
∞ NOZZLES
- SHROUDED PROPELLERS**  
UF DUCTED PROPELLERS  
GS PROPELLERS  
. **SHROUDED PROPELLERS**  
RT DUCTED FANS  
RING WINGS  
THRUST AUGMENTATION  
XV-11A AIRCRAFT
- SHROUDED TURBINES**  
GS TURBOMACHINERY  
. TURBINES  
. **SHROUDED TURBINES**
- SHROUDS**  
UF SHROUDED BODIES  
RT COVERINGS  
DUCTED BODIES  
RIGGING
- SHUNTS**  
USE BYPASSES  
CIRCUITS
- SHUTDOWNS**  
RT DEACTIVATION  
ENGINES  
∞ SCRAM
- ∞ **SHUTTERS**  
SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT BLINDS  
CAMERA SHUTTERS  
LOUVERS  
SHADES
- SHUTTLE AVIONICS INTEGRATION LABORATORY**  
USE SAIL PROJECT
- SHUTTLE BOOSTERS**  
USE SPACE SHUTTLE BOOSTERS
- SHUTTLE DERIVED VEHICLES**  
UF SDV  
RT MANNED SPACECRAFT  
SPACE SHUTTLE ORBITERS  
SPACE SHUTTLES  
∞ SPACECRAFT  
SPACECRAFT DESIGN
- SHUTTLE ENGINEERING SIMULATOR**  
GS SIMULATORS  
. **SHUTTLE ENGINEERING SIMULATOR**  
RT SPACE SHUTTLES
- SHUTTLE GLOW**  
USE SPACECRAFT GLOW
- SHUTTLE IMAGING RADAR**  
UF SIR-A  
SIR-B  
GS PAYLOADS  
. **SHUTTLE IMAGING RADAR**  
RT RADAR GEOLOGY  
RADAR IMAGERY  
REMOTE SENSING  
SPACE SHUTTLE PAYLOADS  
SYNTHETIC APERTURE RADAR
- SHUTTLE MISSION SIMULATOR**  
GS SIMULATORS  
. **SHUTTLE MISSION SIMULATOR**
- SHUTTLE ORBITERS**  
USE SPACE SHUTTLE ORBITERS
- SHUTTLE PALLET SATELLITES**  
UF SPAS (ESA PLATFORMS)  
GS ARTIFICIAL SATELLITES  
. **SHUTTLE PALLET SATELLITES**  
RT SPACE SHUTTLES
- SI**  
USE INTERNATIONAL SYSTEM OF UNITS
- SIALON**  
GS MIXTURES  
. **SIALON**  
RT ALUMINUM  
CERAMICS  
HIGH TEMPERATURE  
NITROGEN  
OXYGEN  
REACTION BONDING  
REFRACTORY MATERIALS  
SILICON NITRIDES  
SINTERING
- SIAM MISSILES**  
UF SELF INITIATED ANTIAIRCRAFT MISSILES  
GS MISSILES  
. ANTIAIRCRAFT MISSILES  
. **SIAM MISSILES**  
RT AIR TO AIR MISSILES  
ANTIMISSILE MISSILES
- SIBERIA**  
RT ARCTIC REGIONS  
ASIA  
U.S.S.R.
- SIC (COEFFICIENT)**  
USE STRUCTURAL INFLUENCE COEFFICIENTS
- SICILY**  
GS LANDFORMS  
. ISLANDS  
. **SICILY**  
RT ITALY  
MEDITERRANEAN SEA
- SICKNESSES**  
GS **SICKNESSES**  
. ALTITUDE SICKNESS  
. DECOMPRESSION SICKNESS
- SID (IONOSPHERIC DISTURBANCES)**  
USE SUDDEN IONOSPHERIC DISTURBANCES
- SIDE INLETS**  
GS INTAKE SYSTEMS  
. **SIDE INLETS**  
RT AIR INTAKES  
BYPASS RATIO  
HYPERSONIC INLETS  
INLET AIRFRAME CONFIGURATIONS  
NOSE INLETS  
SCOOPS  
SUPERSONIC INLETS  
∞ WATER INTAKES
- SIDE-LOOKING RADAR**  
GS RADAR  
. SYNTHETIC APERTURE RADAR
- SIDE-LOOKING RADAR-(CONT.)**  
RT **SIDE-LOOKING RADAR**  
CHANGE DETECTION  
IMAGING RADAR  
RADAR IMAGERY  
RADAR SCANNING  
SEARCH RADAR
- SIDEBANDS**  
RT ∞ BANDS  
DOUBLE SIDEBAND TRANSMISSION  
SELECTIVE FADING  
SINGLE SIDEBAND TRANSMISSION
- SIDELobe REDUCTION**  
GS ATTENUATION  
. **SIDELobe REDUCTION**  
RT HORN ANTENNAS  
RADAR ANTENNAS  
RADAR ATTENUATION  
RADAR RECEPTION  
RADAR REFLECTORS  
RADAR RESOLUTION  
∞ REDUCTION  
SIDELOBES
- SIDELOBES**  
GS DISTRIBUTION (PROPERTY)  
. RADIATION DISTRIBUTION  
. ANTENNA RADIATION PATTERNS  
. **SIDELOBES**  
RT ANTENNA DESIGN  
∞ LOBES  
NEAR FIELDS  
SIDELobe REDUCTION
- SIDEREAL TIME**  
GS TIME  
. **SIDEREAL TIME**  
RT ASTRONOMY  
EARTH ROTATION  
STELLAR MOTIONS  
TIME MEASUREMENT  
UNITS OF MEASUREMENT
- SIDERITE METEORITES**  
USE IRON METEORITES
- SIDERITES**  
GS CARBON COMPOUNDS  
. CARBONATES  
. **SIDERITES**  
IRON COMPOUNDS  
. **SIDERITES**  
MINERALS  
. **SIDERITES**
- SIDES**  
RT EDGES  
GEOMETRY  
RIMS  
WALLS
- SIDESLIP**  
GS MANEUVERS  
. **SIDESLIP**  
RT ROLL  
SKIDDING  
∞ SLIP  
SPACECRAFT MOTION  
YAW
- SIDEWASH**  
USE BACKWASH
- SIDEWINDER MISSILES**  
GS MISSILES  
. AIR TO AIR MISSILES  
. **SIDEWINDER MISSILES**  
. ANTIAIRCRAFT MISSILES  
. **SIDEWINDER MISSILES**
- SIEBEL AIRCRAFT**  
RT ∞ AIRCRAFT
- SIEMENS 2002 COMPUTER**  
GS DATA PROCESSING EQUIPMENT  
. COMPUTERS  
. **SIEMENS 2002 COMPUTER**
- SIERRA LEONE**  
GS NATIONS  
. **SIERRA LEONE**  
RT AFRICA

## SIERRA NEVADA MOUNTAINS (CA)

### SIERRA NEVADA MOUNTAINS (CA)

GS LANDFORMS  
 . MOUNTAINS  
 . SIERRA NEVADA MOUNTAINS (CA)  
 RT CALIFORNIA

### SIEVES

GS SEPARATORS  
 . SIEVES  
 RT FLUID FILTERS  
 SHAKERS  
 SIZING SCREENS  
 WIRE CLOTH

### SIGHT

USE VISUAL PERCEPTION

### SIGMA COMPUTERS

GS DATA PROCESSING EQUIPMENT  
 . COMPUTERS  
 . DIGITAL COMPUTERS  
 . . . SIGMA COMPUTERS  
 . . . . SIGMA 9 COMPUTER

### SIGMA ORIONIS

GS CELESTIAL BODIES  
 . STARS  
 . . DOUBLE STARS  
 . . . BINARY STARS  
 . . . . SIGMA ORIONIS  
 . . . . . EARLY STARS  
 . . . . . HOT STARS  
 . . . . . B STARS  
 . . . . . SIGMA ORIONIS  
 . . . . . PECULIAR STARS  
 . . . . . SIGMA ORIONIS  
 RT ORION CONSTELLATION  
 STELLAR SYSTEMS

### SIGMA 5 COMPUTER

GS DATA PROCESSING EQUIPMENT  
 . COMPUTERS  
 . ANALOG COMPUTERS  
 . . . SIGMA 5 COMPUTER  
 . . . DIGITAL COMPUTERS  
 . . . . SIGMA 5 COMPUTER

### SIGMA 7

GS MANNED SPACECRAFT  
 . MERCURY SPACECRAFT  
 . . . SIGMA 7  
 REENTRY VEHICLES  
 . RECOVERABLE SPACECRAFT  
 . . MERCURY SPACECRAFT  
 . . . SIGMA 7  
 SOFT LANDING SPACECRAFT  
 . MERCURY SPACECRAFT  
 . . . SIGMA 7  
 SPACE CAPSULES  
 . MERCURY SPACECRAFT  
 . . . SIGMA 7  
 RT MERCURY MA-8 FLIGHT

### SIGMA 9 COMPUTER

GS DATA PROCESSING EQUIPMENT  
 . COMPUTERS  
 . DIGITAL COMPUTERS  
 . . . SIGMA COMPUTERS  
 . . . . SIGMA 9 COMPUTER

### SIGMA-MESONS

GS PARTICLES  
 . ELEMENTARY PARTICLES  
 . . BOSONS  
 . . . MESONS  
 . . . . VECTOR MESONS  
 . . . . . SIGMA-MESONS  
 . . . . . FERMIONS  
 . . . . . BARYONS  
 . . . . . SIGMA-MESONS  
 . . . . . HADRONS  
 . . . . . BARYONS  
 . . . . . SIGMA-MESONS  
 . . . . . MESONS  
 . . . . . VECTOR MESONS  
 . . . . . SIGMA-MESONS  
 . . . . . NUCLEAR PARTICLES  
 . . . . . BOSONS  
 . . . . . MESONS  
 . . . . . VECTOR MESONS  
 . . . . . SIGMA-MESONS  
 RT CHARGED PARTICLES  
 ETA-MESONS

### SIGNAL ANALYSIS

GS DATA PROCESSING  
 . SIGNAL ANALYSIS  
 . . CEPSTRAL ANALYSIS  
 RT ANALYZING  
 DIGITAL RADAR SYSTEMS  
 FREQUENCY ANALYZERS  
 PHASE DEVIATION  
 SIGNAL MEASUREMENT  
 SPECTRUM ANALYSIS

### SIGNAL ANALYZERS

GS MEASURING INSTRUMENTS  
 . ANALYZERS  
 . . SIGNAL ANALYZERS  
 RT ANALOG COMPUTERS  
 AUTODYNES

### SIGNAL DETECTION

GS DETECTION  
 . SIGNAL DETECTION  
 . . CORRELATION DETECTION  
 RT AUTODYNES  
 DETECTORS  
 DISCRIMINATION  
 PHASE DETECTORS  
 PREAMPLIFIERS  
 RADAR DETECTION  
 SIGNAL MEASUREMENT  
 SOUND TRANSDUCERS  
 TELECOMMUNICATION

### SIGNAL DETECTORS

UF SIGNAL DISCRIMINATORS  
 RT AUTODYNES  
 DETECTORS  
 DISCRIMINATION  
 MICROWAVE SENSORS  
 PREAMPLIFIERS  
 SIGNAL MEASUREMENT  
 SOUND TRANSDUCERS  
 TELECOMMUNICATION

### SIGNAL DISCRIMINATORS

USE SIGNAL DETECTORS

### SIGNAL DISTORTION

GS DISTORTION  
 . SIGNAL DISTORTION  
 RT INTERSYMBOLIC INTERFERENCE  
 RADIO SIGNALS  
 SCRAMBLING (COMMUNICATION)

### SIGNAL ENCODING

GS CODING  
 . SIGNAL ENCODING  
 . . AMPLITUDE MODULATION  
 . . . FREQUENCY MODULATION  
 . . . . FEEDBACK FREQUENCY  
 . . . . . MODULATION  
 . . . . . FM/PM (MODULATION)  
 . . . . . FREQUENCY SHIFT KEYING  
 . . . . . PULSE FREQUENCY MODULATION  
 . . . . . PHASE MODULATION  
 . . . . . FM/PM (MODULATION)  
 . . . . . PHASE SHIFT KEYING  
 . . . . . PULSE MODULATION  
 . . . . . PULSE AMPLITUDE MODULATION  
 . . . . . PULSE CODE MODULATION  
 . . . . . DELTA MODULATION  
 . . . . . DIFFERENTIAL PULSE CODE  
 . . . . . MODULATION  
 . . . . . PULSE FREQUENCY MODULATION  
 . . . . . PULSE TIME MODULATION  
 . . . . . PULSE DURATION MODULATION  
 . . . . . PULSE POSITION MODULATION  
 RT CONCATENATED CODES  
 DIGITAL TO ANALOG CONVERTERS  
 PULSE FREQUENCY MODULATION  
 TELEMETRY  
 REDUNDANCY ENCODING  
 SCRAMBLING (COMMUNICATION)  
 TELECOMMUNICATION  
 TRANSMITTERS  
 VITERBI DECODERS  
 VOICE DATA PROCESSING

### SIGNAL FADEOUT

USE SIGNAL FADING

### SIGNAL FADING

UF SIGNAL FADEOUT  
 GS FADING  
 . SIGNAL FADING  
 . . SELECTIVE FADING

### SIGNAL FADING-(CONT.)

RT ACOUSTIC INSTABILITY  
 ATMOSPHERIC SCATTERING  
 ATTENUATION  
 DIFFRACTION PATTERNS  
 ELECTROMAGNETIC ABSORPTION  
 GROUND EFFECT (COMMUNICATIONS)  
 RADIO FREQUENCY INTERFERENCE  
 RADIO SCATTERING  
 RECEPTION DIVERSITY  
 SIGNAL MEASUREMENT  
 SMEAR  
 SOUND INTENSITY

### SIGNAL FADING RATE

GS RATES (PER TIME)  
 . SIGNAL FADING RATE  
 RT FADING  
 SELECTIVE FADING  
 SOUND INTENSITY

### SIGNAL FLOW GRAPHS

RT DUALITY PRINCIPLE  
 FLOW GRAPHS  
 NETWORK ANALYSIS  
 NETWORKS  
 RICHARDS THEOREM  
 SNEAK CIRCUIT ANALYSIS

### SIGNAL GENERATORS

GS SIGNAL GENERATORS  
 . FREQUENCY SYNTHESIZERS  
 . FUNCTION GENERATORS  
 RT CIRCUITS  
 GENERATORS  
 HALL GENERATORS  
 OSCILLATORS  
 SIRENS  
 SOLID STATE DEVICES  
 SOUND GENERATORS  
 SUBHARMONIC GENERATORS  
 VOLTAGE GENERATORS

### SIGNAL MEASUREMENT

UF ELECTRONIC SIGNAL MEASUREMENT  
 RT ELECTROMAGNETIC MEASUREMENT  
 IONOSPHERIC PROPAGATION  
 MEASUREMENT  
 SIGNAL ANALYSIS  
 SIGNAL DETECTION  
 SIGNAL DETECTORS  
 SIGNAL FADING  
 SIGNAL PROCESSING  
 SIGNAL TO NOISE RATIOS

### SIGNAL MIXING

GS MIXING  
 . SIGNAL MIXING  
 RT AUDITORY SIGNALS  
 ERROR SIGNALS  
 MAGNETIC SIGNALS  
 RADIO SIGNALS

### SIGNAL PROCESSING

GS DATA PROCESSING  
 . SIGNAL PROCESSING  
 RT AUDIO SIGNALS  
 COMPANDING  
 DIRECTION FINDING  
 EQUALIZERS (CIRCUITS)  
 INTERFERENCE IMMUNITY  
 MAXIMUM ENTROPY METHOD  
 MESSAGE PROCESSING  
 ONBOARD DATA PROCESSING  
 PROCESSING  
 SIGNAL MEASUREMENT  
 SMOKE DETECTORS  
 SURFACE ACOUSTIC WAVE DEVICES  
 TELEMETRY  
 VHSIC (CIRCUITS)  
 VIDEO SIGNALS  
 VITERBI DECODERS

### SIGNAL RECEPTION

GS SIGNAL RECEPTION  
 . SYLLABLES  
 . SYMBOLS  
 RT TELEVISION RECEPTION  
 HOMODYNE RECEPTION  
 PREAMPLIFIERS  
 RECEIVING  
 SENTENCES  
 VOCODERS

## SILENCERS

### SIGNAL REFLECTION

GS ECHOES  
 . **SIGNAL REFLECTION**  
 REFLECTION  
 . **SIGNAL REFLECTION**  
 RT CEPSTRAL ANALYSIS  
 SPREAD REFLECTION  
 TRANSMISSION  
 WAVE REFLECTION

### SIGNAL STABILIZATION

GS STABILIZATION  
 . **SIGNAL STABILIZATION**  
 RT FREQUENCY CONTROL  
 TRANSMISSION CIRCUITS

### SIGNAL TO NOISE RATIOS

GS RATIOS  
 . **SIGNAL TO NOISE RATIOS**  
 RT AMPLITUDE DISTRIBUTION ANALYSIS  
 ATTENUATION  
 BACKGROUND NOISE  
 BIT ERROR RATE  
 CARRIER TO NOISE RATIOS  
 CHANNEL NOISE  
 COMMUNICATION THEORY  
 COMPANDING  
 CORRELATION DETECTION  
 ELECTROMAGNETIC INTERFERENCE  
 ELECTROMAGNETIC NOISE  
 FALSE ALARMS  
 IMAGE CONTRAST  
 IMAGE ENHANCEMENT  
 INTERFERENCE IMMUNITY  
 LOW NOISE  
 MATCHED FILTERS  
 MAXIMUM ENTROPY METHOD  
 ∞ NOISE  
 NOISE PROPAGATION  
 NOISE SPECTRA  
 NOISE THRESHOLD  
 RANDOM NOISE  
 RANDOM SIGNALS  
 SIGNAL MEASUREMENT  
 ∞ SIGNALS  
 WHITE NOISE

### SIGNAL TRANSMISSION

GS TRANSMISSION  
 . **SIGNAL TRANSMISSION**  
 . . . DATA TRANSMISSION  
 . . . AUTOMATIC PICTURE  
 TRANSMISSION  
 . . . MULTIPLE ACCESS  
 . . . . . ALOHA SYSTEM  
 . . . . . CODE DIVISION MULTIPLE ACCESS  
 . . . . . FREQUENCY DIVISION MULTIPLE  
 ACCESS  
 . . . PACKET TRANSMISSION  
 . . . . . ALOHA SYSTEM  
 . . . SINGLE CHANNEL PER CARRIER  
 TRANSMISSION  
 . . . RADAR TRANSMISSION  
 . . . RADIO TRANSMISSION  
 . . . DOUBLE SIDEBAND TRANSMISSION  
 . . . IONOSPHERIC PROPAGATION  
 . . . IONOSPHERIC F-SCATTER  
 PROPAGATION  
 . . . MICROWAVE ATTENUATION  
 . . . MICROWAVE TRANSMISSION  
 . . . MULTIPATH TRANSMISSION  
 . . . SHORT WAVE RADIO  
 TRANSMISSION  
 . . . SINGLE SIDEBAND TRANSMISSION  
 . . . TRANSEQUATORIAL PROPAGATION  
 . . . TRANSHORIZON RADIO  
 PROPAGATION  
 . . . SATELLITE TRANSMISSION  
 . . . TELEMETRY  
 . . . BIOTELEMETRY  
 . . . P.A.C.M. TELEMETRY  
 . . . PCM TELEMETRY  
 . . . RADIO TELEMETRY  
 . . . . . PULSE FREQUENCY MODULATION  
 TELEMETRY  
 . . . TELEVISION TRANSMISSION  
 RT AUDIO SIGNALS  
 CODE DIVISION MULTIPLEXING  
 MESSAGE PROCESSING  
 MESSAGES  
 MULTIPLEXING  
 ORTHOGONAL MULTIPLEXING THEORY  
 PACKET SWITCHING  
 PULSE COMMUNICATION  
 RADAR ATTENUATION

### SIGNAL TRANSMISSION-(CONT.)

RADIO ATTENUATION  
 RADIO SCATTERING  
 SENTENCES  
 SOUND TRANSMISSION  
 SYLLABLES  
 TALKING  
 TELECOMMUNICATION  
 TRANSMISSION EFFICIENCY  
 VIDEO SIGNALS  
 WIRELESS COMMUNICATION

### ∞ SIGNALS

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT AUDIO SIGNALS  
 AUDITORY SIGNALS  
 BEACONS  
 BELLS  
 CHIRP SIGNALS  
 ELECTRIC PULSES  
 ERROR SIGNALS  
 HORNS  
 MAGNETIC SIGNALS  
 MESSAGES  
 PSEUDORANDOM SEQUENCES  
 PYROTECHNICS  
 RADIO SIGNALS  
 RANDOM SIGNALS  
 SIGNAL TO NOISE RATIOS  
 SIRENS  
 SOUND GENERATORS  
 TELECOMMUNICATION  
 TIME SIGNALS  
 VIDEO SIGNALS  
 VISUAL SIGNALS  
 VISUAL STIMULI

### SIGNATURE ANALYSIS

RT ∞ ANALYZING  
 CEPSTRAL ANALYSIS  
 DETECTION  
 IMAGERY  
 INFRARED SIGNATURES  
 MISSILE SIGNATURES  
 RADAR SIGNATURES  
 SIGNATURES  
 TARGET RECOGNITION

### SIGNATURES

GS **SIGNATURES**  
 . INFRARED SIGNATURES  
 . MAGNETIC SIGNATURES  
 . MISSILE SIGNATURES  
 . RADAR SIGNATURES  
 . SPECTRAL SIGNATURES  
 RT AMPLITUDE DISTRIBUTION ANALYSIS  
 DETECTION  
 REPRESENTATIONS  
 SIGNATURE ANALYSIS  
 TARGET RECOGNITION  
 VIDEO LANDMARK ACQUISITION AND  
 TRACKING

### SIGNIFICANCE

RT CONFIDENCE LIMITS  
 CORRELATION  
 COVARIANCE  
 DEGREES OF FREEDOM  
 FINITE DIFFERENCE THEORY  
 NULL HYPOTHESIS  
 NUMERICAL ANALYSIS  
 REGRESSION ANALYSIS  
 STATISTICAL TESTS  
 TELECONNECTIONS (METEOROLOGY)

### SIGNS (SYMBOLS)

USE SYMBOLS

### SIGNS AND SYMPTOMS

UF SYMPTOMS  
 SYNDROMES  
 GS **SIGNS AND SYMPTOMS**  
 . BRADYCARDIA  
 . COUGH  
 . DYSPNEA  
 . EDEMA  
 . HEADACHE  
 . HEMATURIA  
 . LEUKOPENIA  
 . NAUSEA  
 . VERTIGO  
 RT ASPHYXIA  
 DISEASES

### SIGNS AND SYMPTOMS-(CONT.)

HALLUCINATIONS  
 ∞ INDICATION  
 SYMPTOMOLOGY

### SIKHOTE-ALIN METEORITE

GS CELESTIAL BODIES  
 . METEORITES  
 . . . IRON METEORITES  
 . . . **SIKHOTE-ALIN METEORITE**

### SIKKIM

GS NATIONS  
 . **SIKKIM**  
 RT ASIA  
 BHUTAN  
 HIMALAYAS  
 INDIA

### SIKORSKY AIRCRAFT

GS **SIKORSKY AIRCRAFT**  
 . CH-3 HELICOPTER  
 . CH-34 HELICOPTER  
 . CH-54 HELICOPTER  
 . H-19 HELICOPTER  
 . H-53 HELICOPTER  
 . H-56 HELICOPTER  
 . H-60 HELICOPTER  
 . S-58 HELICOPTER  
 . S-61 HELICOPTER  
 . S-67 HELICOPTER  
 . SH-3 HELICOPTER  
 . SH-4 HELICOPTER  
 . SIKORSKY WHIRLWIND HELICOPTER  
 . UH-34 HELICOPTER  
 . UH-60A HELICOPTER  
 . UH-61A HELICOPTER  
 RT ∞ AIRCRAFT

### SIKORSKY HSS-2 HELICOPTER

USE SH-3 HELICOPTER

### SIKORSKY S-58 HELICOPTER

USE S-58 HELICOPTER

### SIKORSKY S-61 HELICOPTER

USE S-61 HELICOPTER

### SIKORSKY S-64 HELICOPTER

USE CH-54 HELICOPTER

### SIKORSKY S-65 HELICOPTER

USE H-53 HELICOPTER

### SIKORSKY S-67 HELICOPTER

USE S-67 HELICOPTER

### SIKORSKY WHIRLWIND HELICOPTER

GS SIKORSKY AIRCRAFT  
 . **SIKORSKY WHIRLWIND HELICOPTER**  
 V/STOL AIRCRAFT  
 . ROTARY WING AIRCRAFT  
 . . . HELICOPTERS  
 . . . **SIKORSKY WHIRLWIND  
 HELICOPTER**  
 RT ∞ AIRCRAFT

### SILANES

GS HYDROGEN COMPOUNDS  
 . HYDRIDES  
 . **SILANES**  
 . . . CHLOROSILANES  
 . . . METHYL CHLOROSILANES  
 SILICON COMPOUNDS  
 . **SILANES**  
 . . . CHLOROSILANES  
 . . . METHYL CHLOROSILANES  
 RT DISILICIDES

### SILENCE

RT NOISE REDUCTION  
 TRANSMISSION LOSS

### SILENCERS

RT ATTENUATORS  
 DAMPING  
 INHIBITORS  
 MUFFLERS  
 SHOCK ABSORBERS  
 SQUELCH CIRCUITS  
 SUPPRESSORS  
 ZERO SOUND

## SILICA

**SILICA**  
USE SILICON DIOXIDE

**SILICA GEL**  
GS GELS  
    . **SILICA GEL**  
RT DEHUMIDIFICATION  
    DEHYDRATION  
    DRYING  
    SILICON DIOXIDE

**SILICA GLASS**  
GS GLASS  
    . **SILICA GLASS**  
RT GLASS COATINGS  
    GLASS ELECTRODES  
    GLASS FIBERS  
    GLASSWARE  
    SANDS  
    SILICON DIOXIDE

**SILICATES**  
GS SILICON COMPOUNDS  
    . **SILICATES**  
    . ALUMINUM SILICATES  
    . ANDESITE  
    . GEHLENITE  
    . KAOLINITE  
    . MONTMORILLONITE  
    . PYROPHYLLITE  
    . ARAGONITE  
    . BERYL  
    . CALCIUM SILICATES  
    . GEHLENITE  
    . CORDIERITE  
    . FAYALITE  
    . FELDSPARS  
    . FLUOROSILICATES  
    . FORSTERITE  
    . GARNETS  
    . YTTRIUM-ALUMINUM GARNET  
    . YTTRIUM-IRON GARNET  
    . MERWINITE  
    . MONTICELLITE  
    . NEPHELINE  
    . POTASSIUM SILICATES  
    . PYROXENES  
    . ENSTATITE  
    . SODIUM SILICATES  
    . SPODUMENE  
    . TALC  
    . TOURMALINE  
    . ZEOLITES  
RT AKERMANITE  
    AMPHIBOLES  
    DISILICIDES  
    MINERALS  
    SILICIDES  
    SILICON DIOXIDE  
    TETRAETHYL ORTHOSILICATE  
    VERMICULITE

**SILICIDES**  
GS SILICON COMPOUNDS  
    . **SILICIDES**  
    . DISILICIDES  
RT INTERMETALLICS  
    SILICATES

**SILICON**  
GS CHEMICAL ELEMENTS  
    . METALLOIDS  
    . **SILICON**  
    . AMORPHOUS SILICON  
    . SILICON ISOTOPES  
RT FLOAT ZONES  
    REACTION BONDING  
    SCHOTTKY DIODES  
    SILICON ALLOYS

**SILICON ALLOYS**  
GS ALLOYS  
    . **SILICON ALLOYS**  
RT ALUMINUM ALLOYS  
    GERMANIUM ALLOYS  
    IRON ALLOYS  
    MAGNESIUM ALLOYS  
    MICROSTRUCTURE  
    NICKEL ALLOYS  
    SILICON

**SILICON CARBIDES**  
GS CARBON COMPOUNDS  
    . CARBIDES  
    . **SILICON CARBIDES**

**SILICON CARBIDES-(CONT.)**  
SILICON COMPOUNDS  
    . **SILICON CARBIDES**  
RT ABRASIVES  
    CARBORUNDUM (TRADEMARK)  
    CERAMIC FIBERS

**SILICON COMPOUNDS**  
GS **SILICON COMPOUNDS**  
    . FLINT  
    . ORGANIC SILICON COMPOUNDS  
    . . . TRIPHENYL SILICON  
    . SILANES  
    . . . CHLOROSILANES  
    . . . METHYL CHLOROSILANES  
    . SILICATES  
    . . . ALUMINUM SILICATES  
    . . . ANDESITE  
    . . . GEHLENITE  
    . . . KAOLINITE  
    . . . MONTMORILLONITE  
    . . . PYROPHYLLITE  
    . ARAGONITE  
    . BERYL  
    . CALCIUM SILICATES  
    . . . GEHLENITE  
    . CORDIERITE  
    . FAYALITE  
    . FELDSPARS  
    . FLUOROSILICATES  
    . FORSTERITE  
    . GARNETS  
    . . . YTTRIUM-ALUMINUM GARNET  
    . . . YTTRIUM-IRON GARNET  
    . MERWINITE  
    . MONTICELLITE  
    . NEPHELINE  
    . POTASSIUM SILICATES  
    . PYROXENES  
    . ENSTATITE  
    . SODIUM SILICATES  
    . SPODUMENE  
    . TALC  
    . TOURMALINE  
    . ZEOLITES  
    . SILICIDES  
    . . . DISILICIDES  
    . SILICON CARBIDES  
    . SILICON NITRIDES  
    . SILICON OXIDES  
    . . . MUSCOVITE  
    . . . NEPHELINE  
    . SILICON DIOXIDE  
    . . . QUARTZ  
    . . . COESITE  
    . . . STISHOVITE  
    . SPODUMENE  
    . SILICON TETRACHLORIDE  
RT AKERMANITE  
    . . . CHEMICAL COMPOUNDS  
    . . . GROUP 4A COMPOUNDS  
    . . . METHYL POLYSILOXANE  
    . SILICONES  
    . SILOXANES

**SILICON CONTROLLED RECTIFIERS**  
UF SCR (RECTIFIERS)  
GS ELECTRONIC EQUIPMENT  
    . SOLID STATE DEVICES  
    . SEMICONDUCTOR DEVICES  
    . THYRISTORS  
    . . . **SILICON CONTROLLED RECTIFIERS**  
    RECTIFIERS  
    . THYRISTORS  
    . . . **SILICON CONTROLLED RECTIFIERS**  
RT CURRENT CONVERTERS (AC TO DC)  
    THYRATRONS

**SILICON DIOXIDE**  
UF REFRAASIL (TRADEMARK)  
GS SILICA  
    CHALCOGENIDES  
    . OXIDES  
    . DIOXIDES  
    . . . **SILICON DIOXIDE**  
    . . . QUARTZ  
    . . . COESITE  
    . . . STISHOVITE  
    . . . SILICON OXIDES  
    . . . **SILICON DIOXIDE**  
    . . . QUARTZ  
    . . . COESITE  
    . . . STISHOVITE  
SILICON COMPOUNDS

**SILICON DIOXIDE-(CONT.)**  
    . SILICON OXIDES  
    . . . **SILICON DIOXIDE**  
    . . . QUARTZ  
    . . . COESITE  
    . . . STISHOVITE  
RT BOROSILICATE GLASS  
    CERAMICS  
    E GLASS  
    GLASS  
    METALLIC GLASSES  
    OBSIDIAN  
    PORCELAIN  
    QUARTZ CRYSTALS  
    RHYOLITE  
    S GLASS  
    SANDS  
    SILICA GEL  
    SILICA GLASS  
    SILICATES  
    VYCOR

**SILICON FILMS**  
RT AMORPHOUS SILICON  
    . . . FILMS  
    SEMICONDUCTOR DEVICES  
    SOI (SEMICONDUCTORS)  
    THIN FILMS

**SILICON ISOTOPES**  
GS CHEMICAL ELEMENTS  
    . METALLOIDS  
    . SILICON  
    . . . **SILICON ISOTOPES**

**SILICON JUNCTIONS**  
GS SEMICONDUCTOR JUNCTIONS  
    . **SILICON JUNCTIONS**  
RT AMORPHOUS SILICON  
    HETEROJUNCTIONS  
    HOMOJUNCTIONS  
    SIS (SEMICONDUCTORS)  
    SOI (SEMICONDUCTORS)  
    THRESHOLD VOLTAGE

**SILICON NITRIDES**  
GS NITROGEN COMPOUNDS  
    . NITRIDES  
    . . . **SILICON NITRIDES**  
    SILICON COMPOUNDS  
    . **SILICON NITRIDES**  
RT CERAMIC MATRIX COMPOSITES  
    REACTION BONDING  
    SIALON

**SILICON OXIDES**  
GS CHALCOGENIDES  
    . OXIDES  
    . . . **SILICON OXIDES**  
    . . . MUSCOVITE  
    . . . NEPHELINE  
    . . . SILICON DIOXIDE  
    . . . QUARTZ  
    . . . COESITE  
    . . . STISHOVITE  
    . . . SPODUMENE  
SILICON COMPOUNDS  
    . **SILICON OXIDES**  
    . . . MUSCOVITE  
    . . . NEPHELINE  
    . . . SILICON DIOXIDE  
    . . . QUARTZ  
    . . . COESITE  
    . . . STISHOVITE  
    . . . SPODUMENE  
RT AKERMANITE

**SILICON POLYMERS**  
GS **SILICON POLYMERS**  
    . SILICONE RESINS  
    . SILICONES  
    . . . METHYL POLYSILOXANE  
    . . . SILOXANES  
RT . . . POLYMERS

**SILICON RADIATION DETECTORS**  
GS MEASURING INSTRUMENTS  
    . RADIATION MEASURING INSTRUMENTS  
    . RADIATION DETECTORS  
    . . . **SILICON RADIATION DETECTORS**  
RT . . . RADIATION

**SILICON RECTIFIERS**  
USE CRYSTAL RECTIFIERS

**SILICON SOLAR CELLS**

USE SOLAR CELLS

**SILICON TETRACHLORIDE**

GS HALOGEN COMPOUNDS  
 . CHLORINE COMPOUNDS  
 . CHLORIDES  
 . . . SILICON TETRACHLORIDE  
 . HALIDES  
 . CHLORIDES  
 . . . SILICON TETRACHLORIDE  
 SILICON COMPOUNDS  
 . SILICON TETRACHLORIDE

**SILICON TRANSISTORS**

GS ELECTRONIC EQUIPMENT  
 . SOLID STATE DEVICES  
 . SEMICONDUCTOR DEVICES  
 . TRANSISTORS  
 . . . SILICON TRANSISTORS  
 . . . . . SOS (SEMICONDUCTORS)  
 RT SOI (SEMICONDUCTORS)

**SILICON-ON-INSULATOR SEMICONDUCTORS**

USE SOI (SEMICONDUCTORS)

**SILICON-ON-SAPPHIRE JUNCTIONS**

USE SOS (SEMICONDUCTORS)

**SILICON-ON-SAPPHIRE SEMICONDUCTORS**

USE SOS (SEMICONDUCTORS)

**SILICON-ON-SAPPHIRE TRANSISTORS**

USE SOS (SEMICONDUCTORS)

**SILICONE RESINS**

GS RESINS  
 . SILICONE RESINS  
 SILICON POLYMERS  
 . SILICONE RESINS  
 RT THERMOSETTING RESINS

**SILICONE RUBBER**

GS RUBBER  
 . SILICONE RUBBER  
 . . RTV-40 RUBBER (TRADEMARK)  
 . . RTV-60 RUBBER (TRADEMARK)  
 RT ELASTOMERS  
 SYNTHETIC RUBBERS

**SILICONES**

GS SILICON POLYMERS  
 . SILICONES  
 . . METHYL POLYSILOXANE  
 . . SILOXANES  
 RT  $\infty$  POLYMERS  
 SILICON COMPOUNDS

**SILICONIZING**

GS HARDENING (MATERIALS)  
 . SILICONIZING  
 RT COATING  
 COATINGS  
 CORROSION PREVENTION  
 CORROSION RESISTANCE  
 OXIDATION RESISTANCE  
 PASSIVITY

**SILK**

GS FABRICS  
 . SILK  
 FIBERS  
 . SILK  
 RT CREPE  
 ORGANIC MATERIALS

**SILKWORMS**

GS ANIMALS  
 . INVERTEBRATES  
 . . ARTHROPODS  
 . . . INSECTS  
 . . . . . MOTHS  
 . . . . . SILKWORMS  
 LARVAE  
 . SILKWORMS  
 RT INFESTATION

**SILOS (MISSILE STORAGE)**

USE MISSILE SILOS

**SILOXANES**

GS SILICON POLYMERS  
 . SILICONES  
 . . SILOXANES

**SILOXANES-(CONT.)**

RT  $\infty$  POLYMERS  
 SILICON COMPOUNDS

**SILTS**

USE SEDIMENTS

**SILVER**

GS CHEMICAL ELEMENTS  
 . SILVER  
 . . SILVER ISOTOPES  
 METALS  
 . NOBLE METALS  
 . . SILVER  
 . . . SILVER ISOTOPES  
 . TRANSITION METALS  
 . . SILVER  
 . . . SILVER ISOTOPES

**SILVER ALLOYS**

GS ALLOYS  
 . SILVER ALLOYS  
 RT BEARING ALLOYS  
 GOLD ALLOYS

**SILVER BROMIDES**

GS HALOGEN COMPOUNDS  
 . BROMINE COMPOUNDS  
 . BROMIDES  
 . . SILVER BROMIDES  
 . HALIDES  
 . BROMIDES  
 . . SILVER BROMIDES  
 . METAL HALIDES  
 . . SILVER HALIDES  
 . . . SILVER BROMIDES  
 SILVER COMPOUNDS  
 . SILVER HALIDES  
 . . SILVER BROMIDES

**SILVER CADMIUM BATTERIES**

UF CADMIUM SILVER BATTERIES  
 GS ELECTROCHEMICAL CELLS  
 . ELECTRIC BATTERIES  
 . STORAGE BATTERIES  
 . . SILVER CADMIUM BATTERIES  
 RT NICKEL CADMIUM BATTERIES

**SILVER CHLORIDES**

GS HALOGEN COMPOUNDS  
 . CHLORINE COMPOUNDS  
 . CHLORIDES  
 . . SILVER CHLORIDES  
 . HALIDES  
 . CHLORIDES  
 . . SILVER CHLORIDES  
 . METAL HALIDES  
 . . SILVER HALIDES  
 . . . SILVER CHLORIDES  
 SILVER COMPOUNDS  
 . SILVER HALIDES  
 . . SILVER CHLORIDES

**SILVER COMPOUNDS**

GS SILVER COMPOUNDS  
 . SILVER HALIDES  
 . . SILVER BROMIDES  
 . . SILVER CHLORIDES  
 . . SILVER IODIDES  
 . SILVER NITRATES  
 . SILVER OXIDES  
 RT  $\infty$  CHEMICAL COMPOUNDS  
 $\infty$  GROUP 1B COMPOUNDS  
 $\infty$  METAL COMPOUNDS

**SILVER HALIDES**

GS HALOGEN COMPOUNDS  
 . HALIDES  
 . METAL HALIDES  
 . . SILVER HALIDES  
 . . . SILVER BROMIDES  
 . . . SILVER CHLORIDES  
 . . . SILVER IODIDES  
 SILVER COMPOUNDS  
 . SILVER HALIDES  
 . . SILVER BROMIDES  
 . . SILVER CHLORIDES  
 . . SILVER IODIDES

**SILVER HYDROGEN BATTERIES**

GS ELECTROCHEMICAL CELLS  
 . ELECTRIC BATTERIES  
 . STORAGE BATTERIES  
 . . SILVER HYDROGEN BATTERIES

**SILVER IODIDES**

GS HALOGEN COMPOUNDS  
 . HALIDES  
 . METAL HALIDES  
 . . SILVER HALIDES  
 . . . SILVER IODIDES  
 . IODINE COMPOUNDS  
 . IODIDES  
 . . SILVER IODIDES  
 SILVER COMPOUNDS  
 . SILVER HALIDES  
 . . SILVER IODIDES

**SILVER ISOTOPES**

GS CHEMICAL ELEMENTS  
 . NUCLIDES  
 . ISOTOPES  
 . . SILVER ISOTOPES  
 . SILVER  
 . . SILVER ISOTOPES  
 METALS  
 . NOBLE METALS  
 . SILVER  
 . . SILVER ISOTOPES  
 . TRANSITION METALS  
 . SILVER  
 . . SILVER ISOTOPES

**SILVER NITRATES**

GS NITROGEN COMPOUNDS  
 . NITRATES  
 . INORGANIC NITRATES  
 . . SILVER NITRATES  
 SILVER COMPOUNDS  
 . SILVER NITRATES

**SILVER OXIDE ZINC BATTERIES**

USE SILVER ZINC BATTERIES

**SILVER OXIDES**

GS CHALCOGENIDES  
 . OXIDES  
 . METAL OXIDES  
 . . SILVER OXIDES  
 SILVER COMPOUNDS  
 . SILVER OXIDES

**SILVER ZINC BATTERIES**

UF SILVER OXIDE ZINC BATTERIES  
 ZINC SILVER BATTERIES  
 ZINC SILVER OXIDE BATTERIES  
 GS ELECTROCHEMICAL CELLS  
 . ELECTRIC BATTERIES  
 . STORAGE BATTERIES  
 . . SILVER ZINC BATTERIES

**SILVICULTURE**

RT AGRICULTURE  
 BIOMASS  
 BOTANY  
 CULTIVATION  
 FORESTS  
 ORCHARDS  
 PLANTING  
 TREES (PLANTS)

**SIM**

UF SCIENTIFIC INSTRUMENT MODULES  
 MODULES  
 GS SPACECRAFT MODULES  
 . . SIM  
 SPACECRAFT COMPONENTS  
 . SPACECRAFT MODULES  
 . . SIM  
 RT APOLLO PROJECT  
 APOLLO 15 FLIGHT  
 CAMERAS  
 INSTRUMENT PACKAGES  
 $\infty$  INSTRUMENTS

**SIMD (COMPUTERS)**

UF SINGLE INSTRUCTION MULTIPLE DATA  
 STREAM  
 GS DATA PROCESSING EQUIPMENT  
 . COMPUTERS  
 . DIGITAL COMPUTERS  
 . . PARALLEL COMPUTERS  
 . . . SIMD (COMPUTERS)  
 RT ARCHITECTURE (COMPUTERS)  
 COMPUTER DESIGN  
 COMPUTER PROGRAMMING  
 CONCURRENT PROCESSING  
 INTERPROCESSOR COMMUNICATION  
 MIMD (COMPUTERS)  
 OPERATING SYSTEMS (COMPUTERS)



## SIMICOR (IMAGE CORRELATOR)

### SIMD (COMPUTERS)-(CONT.)

PARALLEL PROCESSING (COMPUTERS)

### SIMICOR (IMAGE CORRELATOR)

USE IMAGE CORRELATORS

### SIMILARITIES

USE ANALOGIES

### SIMILARITY NUMBERS

GS RATIOS  
.. DIMENSIONLESS NUMBERS  
.. **SIMILARITY NUMBERS**  
RT DIMENSIONAL ANALYSIS  
SCALING LAWS

### SIMILARITY THEOREM

GS THEOREMS  
.. **SIMILARITY THEOREM**  
.. LAGRANGE SIMILARITY HYPOTHESIS  
RT DYNAMIC MODELS  
MATHEMATICAL MODELS  
SCALE MODELS

### SIMILITUDE LAW

GS LAWS  
.. **SIMILITUDE LAW**  
RT GRAVITATION  
INERTIA  
SCALE MODELS  
VISCOSITY

### SIMPLE HARMONIC MOTION

GS HARMONIC MOTION  
.. **SIMPLE HARMONIC MOTION**  
HARMONICS  
RT **SIMPLE HARMONIC MOTION**  
ACOUSTICS  
FOURIER ANALYSIS  
HARMONIC EXCITATION

### SIMPLEX METHOD

GS MATHEMATICAL LOGIC  
.. ALGORITHMS  
.. **SIMPLEX METHOD**  
OPTIMIZATION  
RT **SIMPLEX METHOD**  
LINEAR PROGRAMMING  
MATHEMATICAL PROGRAMMING  
MATRICES (MATHEMATICS)  
.. METHODOLOGY  
PROBLEM SOLVING

### SIMPLIFICATION

RT ASSUMPTIONS  
LINEARIZATION

### SIMULATED ALTITUDE

USE ALTITUDE SIMULATION

### SIMULATION

GS **SIMULATION**  
.. COMPUTER SYSTEMS'SIMULATION  
.. COMPUTERIZED SIMULATION  
.. ANALOG SIMULATION  
.. DIGITAL SIMULATION  
.. CONTROL SIMULATION  
.. ENVIRONMENT SIMULATION  
.. ACOUSTIC SIMULATION  
.. ALTITUDE SIMULATION  
.. SPACE ENVIRONMENT SIMULATION  
.. WEIGHTLESSNESS SIMULATION  
.. NEUTRAL BUOYANCY SIMULATION  
.. THERMAL SIMULATION  
.. EXHAUST FLOW SIMULATION  
.. ATMOSPHERIC ENTRY SIMULATION  
.. FLIGHT SIMULATION  
.. LANDING SIMULATION  
.. MOTION SIMULATION  
.. RHEOELECTRICAL SIMULATION  
.. SOLAR SIMULATION  
.. SYSTEMS SIMULATION  
RT ANALOGIES  
BIONICS  
BOND GRAPHS  
DATA PROCESSING EQUIPMENT  
DATA SIMULATION  
DECEPTION  
GAME THEORY  
HEURISTIC METHODS  
HYPERVELOCITY PROJECTILES  
MATHEMATICAL MODELS  
MONTE CARLO METHOD  
OPERATIONS RESEARCH

### SIMULATION-(CONT.)

SIMULATORS  
SPACECRAFT CABIN SIMULATORS  
SYSTEMS ANALYSIS  
VALIDITY  
WAR GAMES

### SIMULATOR TRAINING

USE TRAINING SIMULATORS

### SIMULATORS

GS **SIMULATORS**  
.. CONTROL SIMULATION  
.. ENVIRONMENT SIMULATORS  
.. LUNAR GRAVITY SIMULATOR  
.. SOLAR SIMULATORS  
.. SPACE SIMULATORS  
.. HIGH VACUUM ORBITAL SIMULATOR  
.. LANGLEY COMPLEX COORDINATOR  
.. LUNAR ORBIT AND LANDING  
SIMULATORS  
.. MOTION SIMULATORS  
.. SHOCK SIMULATORS  
.. SHUTTLE ENGINEERING SIMULATOR  
.. SHUTTLE MISSION SIMULATOR  
.. TARGET SIMULATORS  
.. TRAINING SIMULATORS  
.. FLIGHT SIMULATORS  
.. COCKPIT SIMULATORS  
.. SPACECRAFT CABIN SIMULATORS  
.. VIBRATION SIMULATORS  
.. VERTICAL MOTION SIMULATORS  
RT ANALOGS  
COMPUTER SYSTEMS SIMULATION  
DUMMIES  
.. MISSILE SIMULATORS  
MODELS  
SIMULATION  
.. TEST EQUIPMENT  
TEST FACILITIES  
TRAINING DEVICES

### SIMULTANEOUS EQUATIONS

RT .. EQUATIONS  
LEAST SQUARES METHOD  
MATRICES (MATHEMATICS)

### SIMULTANEOUS IMAGE CORRELATOR

USE IMAGE CORRELATORS

### SINE SERIES

GS ANALYSIS (MATHEMATICS)  
.. CALCULUS  
.. SERIES (MATHEMATICS)  
.. **SINE SERIES**  
.. REAL VARIABLES  
.. PERIODIC FUNCTIONS  
.. TRIGONOMETRIC FUNCTIONS  
.. **SINE SERIES**  
.. SERIES (MATHEMATICS)  
.. **SINE SERIES**  
FUNCTIONS (MATHEMATICS)  
.. TRANSCENDENTAL FUNCTIONS  
.. PERIODIC FUNCTIONS  
.. TRIGONOMETRIC FUNCTIONS  
.. **SINE SERIES**

### SINE WAVES

UF SINUSOIDS  
RT ELASTIC WAVES  
ELECTROMAGNETIC RADIATION  
TRIGONOMETRIC FUNCTIONS  
.. WAVES

### SINGAPORE

GS NATIONS  
.. **SINGAPORE**  
RT ASIA

### SINGLE CHANNEL PER CARRIER TRANSMISSION

UF SCPC TRANSMISSION  
GS TELECOMMUNICATION  
.. **SINGLE CHANNEL PER CARRIER TRANSMISSION**  
TRANSMISSION  
.. SIGNAL TRANSMISSION  
.. DATA TRANSMISSION  
.. **SINGLE CHANNEL PER CARRIER TRANSMISSION**  
TRANSMISSION  
RT CARRIER FREQUENCIES  
CHANNELS (DATA TRANSMISSION)  
SATELLITE COMMUNICATION  
SATELLITE TRANSMISSION  
SPACECRAFT COMMUNICATION  
TELEGRAPH SYSTEMS

### SINGLE CHANNEL PER CARRIER-(CONT.)

TELEMETRY  
TELEPHONY  
VOICE COMMUNICATION  
VOICE DATA PROCESSING

### SINGLE CRYSTALS

UF MONOCRYSTALS  
GS CRYSTALS  
.. **SINGLE CRYSTALS**  
RT BICRYSTALS  
BOULES  
BRAVAIS CRYSTALS  
BRIDGMAN METHOD  
CRYSTAL LATTICES  
DIAMONDS  
GRAPHITE  
NEEDLES  
PIEZOELECTRIC CRYSTALS  
POLYCRYSTALS  
SPACE PROCESSING  
ULTRAPURE METALS

### SINGLE ENGINE AIRCRAFT

GS **SINGLE ENGINE AIRCRAFT**  
.. CESSNA 172 AIRCRAFT  
.. CESSNA 205 AIRCRAFT  
.. CESSNA 210 AIRCRAFT  
.. F-8 AIRCRAFT  
.. F-9 AIRCRAFT  
.. F-16 AIRCRAFT  
.. F-84 AIRCRAFT  
.. F-86 AIRCRAFT  
.. F-94 AIRCRAFT  
.. F-100 AIRCRAFT  
.. F-101 AIRCRAFT  
.. F-102 AIRCRAFT  
.. F-104 AIRCRAFT  
.. F-105 AIRCRAFT  
.. F-106 AIRCRAFT  
.. JAGUAR AIRCRAFT  
.. JET PROVOST AIRCRAFT  
.. L-29 JET TRAINER  
.. MIG AIRCRAFT  
.. MIRAGE AIRCRAFT  
.. MIRAGE 3 AIRCRAFT  
.. P-51 AIRCRAFT  
.. P-1127 AIRCRAFT  
.. P-1154 AIRCRAFT  
.. T-2 AIRCRAFT  
.. T-28 AIRCRAFT  
.. T-33 AIRCRAFT  
.. VAMPIRE MK 35 AIRCRAFT  
.. VJ-101 AIRCRAFT  
.. YF-16 AIRCRAFT  
RT .. AIRCRAFT  
FIGHTER AIRCRAFT  
GENERAL AVIATION AIRCRAFT

### SINGLE EVENT UPSETS

GS RADIATION EFFECTS  
.. **SINGLE EVENT UPSETS**  
RT ASTRIONICS  
AVIONICS  
CHARGED PARTICLES  
COSMIC RAYS  
ELECTRON-HOLE DROPS  
INNER RADIATION BELT  
IONIZATION  
MICROELECTRONICS  
RADIATION DAMAGE  
RADIATION DOSAGE  
SATELLITE-BORNE INSTRUMENTS  
SECONDARY COSMIC RAYS  
SPACECRAFT CHARGING  
SPACECRAFT ELECTRONIC EQUIPMENT

### SINGLE INSTRUCTION MULTIPLE DATA STREAM

USE SIMD (COMPUTERS)

### SINGLE SIDEBAND MODULATION

USE SINGLE SIDEBAND TRANSMISSION

### SINGLE SIDEBAND TRANSMISSION

UF SINGLE SIDEBAND MODULATION  
GS TRANSMISSION  
.. ELECTROMAGNETIC WAVE  
TRANSMISSION  
.. RADIO TRANSMISSION  
.. **SINGLE SIDEBAND TRANSMISSION**  
.. SIGNAL TRANSMISSION  
.. RADIO TRANSMISSION  
.. **SINGLE SIDEBAND TRANSMISSION**  
RT AMPLITUDE MODULATION  
DOUBLE SIDEBAND TRANSMISSION

**SINGLE SIDEBAND TRANSMISSION-(CONT.)**

SIDEBANDS  
TELEVISION TRANSMISSION  
VOICE COMMUNICATION  
WAVE PROPAGATION

**SINGLE STAGE ROCKET VEHICLES**

GS ROCKET VEHICLES  
  . SINGLE STAGE ROCKET VEHICLES  
    . AGENA ROCKET VEHICLES  
      . AGENA A ROCKET VEHICLE  
      . AGENA B ROCKET VEHICLE  
      . AGENA C ROCKET VEHICLE  
      . AGENA D ROCKET VEHICLE  
    . ARCAS ROCKET VEHICLES  
    . BLACK BRANT SOUNDING ROCKETS  
      . BLACK BRANT 1 SOUNDING  
        ROCKET  
      . BLACK BRANT 2 SOUNDING  
        ROCKET  
      . BLACK BRANT 3 SOUNDING  
        ROCKET  
      . BLACK BRANT 4 SOUNDING  
        ROCKET  
      . BLACK BRANT 5 SOUNDING  
        ROCKET  
    . BLACK KNIGHT ROCKET VEHICLE  
    . DORNIER PARAGLIDER ROCKET  
      VEHICLE  
    . GENIE ROCKET VEHICLE  
    . HONEST JOHN ROCKET VEHICLE  
    . HYLA-STAR ROCKET VEHICLE  
    . LITTLE JOHN ROCKET VEHICLE  
    . LOKI ROCKET VEHICLE  
    . NOMAD LAUNCH VEHICLE  
    . VERONIQUE ROCKET VEHICLES  
    . VIKING ROCKET VEHICLE  
    . ZUNI ROCKET VEHICLE  
RT MAULER MISSILE  
  ROCKET ENGINES  
  ∞ VEHICLES

**SINGLE STAGE TO ORBIT VEHICLES**

GS LAUNCH VEHICLES  
  . REUSABLE LAUNCH VEHICLES  
  . SINGLE STAGE TO ORBIT VEHICLES  
    . HOTOL LAUNCH VEHICLE  
RT NASA PROGRAMS  
  SPACE SHUTTLES  
  SPACE TRANSPORTATION  
  ∞ VEHICLES  
  X-30 VEHICLE

**SINGLE-PHASE FLOW**

UF ONE-PHASE FLOW  
  UNIPHASE FLOW  
GS FLUID FLOW  
  . SINGLE-PHASE FLOW  
RT CRITICAL FLOW  
  GAS FLOW  
  LAMINAR FLOW  
  LIQUID FLOW  
  MASS FLOW  
  MULTIPHASE FLOW  
  ORIFICE FLOW  
  PIPE FLOW  
  STEADY FLOW  
  STEAM FLOW  
  SUBCRITICAL FLOW  
  SUPERCRITICAL FLOW  
  TURBULENT FLOW  
  TWO PHASE FLOW  
  UNIFORM FLOW  
  UNSTEADY FLOW

**SINGULAR INTEGRAL EQUATIONS**

GS ANALYSIS (MATHEMATICS)  
  . FUNCTIONAL ANALYSIS  
  . INTEGRAL EQUATIONS  
  . SINGULAR INTEGRAL EQUATIONS  
RT ∞ EQUATIONS

**SINGULARITY (MATHEMATICS)**

GS ANALYSIS (MATHEMATICS)  
  . COMPLEX VARIABLES  
  . SINGULARITY (MATHEMATICS)  
  . NAKED SINGULARITIES  
RT POINTS (MATHEMATICS)  
  UNIQUENESS

**SINKHOLES**

GS LANDFORMS  
  . STRUCTURAL BASINS  
  . KARST  
  . SINKHOLES

**SINKHOLES-(CONT.)**

RT KETTLES (GEOLOGY)  
  STRUCTURAL PROPERTIES (GEOLOGY)

**SINKING**

RT FALLING  
  REFRACTION  
  SUBMERGING  
  WATER IMMERSION

**SINKS**

SN (EXCLUDES PLUMBING  
  FIXTURES--LIMITED TO AREAS FOR  
  ABSORPTIVE DISPOSAL OF HEAT OR  
  FLUIDS)  
GS SINKS  
  . HEAT SINKS  
RT ABSORBERS (MATERIALS)  
  DISPOSAL  
  ∞ SOURCES

**SINKS (GEOLOGY)**

USE STRUCTURAL BASINS

**SINTERED ALUMINUM POWDER**

GS PARTICLES  
  . METAL PARTICLES  
  . METAL POWDER  
  . POWDERED ALUMINUM  
  . SINTERED ALUMINUM POWDER  
  . POWDER (PARTICLES)  
  . METAL POWDER  
  . POWDERED ALUMINUM  
  . SINTERED ALUMINUM POWDER  
RT ALUMINUM  
  POWDER METALLURGY

**SINTERING**

UF PRESINTERING  
RT AGGLOMERATION  
  FURNACES  
  GROWTH  
  HEATING  
  HOT ISOSTATIC PRESSING  
  HOT PRESSING  
  METAL POWDER  
  MIXED CRYSTALS  
  POROSITY  
  POWDER METALLURGY  
  PYROMETALLURGY  
  REACTION BONDING  
  ROASTING  
  SHRINKAGE  
  SIALON

**SINUSES**

GS SINUSES  
  . PARANASAL SINUSES  
RT CAROTID SINUS BODY  
  CAROTID SINUS REFLEX  
  NOSE (ANATOMY)  
  RESPIRATION

**SINUSOIDS**

USE SINE WAVES

**SIOUX HELICOPTER**

USE OH-13 HELICOPTER

**SIPHONING**

RT ∞ FLUIDS  
  SIPHONS  
  THERMOSIPHONS

**SIPHONS**

RT MATERIALS HANDLING  
  PIPELINES  
  PIPES (TUBES)  
  PUMPS  
  SIPHONING  
  ∞ TUBES

**SIR-A**

USE SHUTTLE IMAGING RADAR

**SIR-B**

USE SHUTTLE IMAGING RADAR

**SIRENS**

RT HORNS  
  NOISE INTENSITY  
  SIGNAL GENERATORS  
  ∞ SIGNALS  
  SOUND GENERATORS

**SIRENS-(CONT.)**

SOUND INTENSITY  
SOUND TRANSMISSION  
WARNING SYSTEMS

**SIRIO SATELLITE**

GS ARTIFICIAL SATELLITES  
  . SYNCHRONOUS SATELLITES  
  . SIRIO SATELLITE  
RT ITALIAN SPACE PROGRAM  
  ITALY

**SIRS B SATELLITE**

GS ARTIFICIAL SATELLITES  
  . METEOROLOGICAL SATELLITES  
  . SIRS B SATELLITE  
RT METEOROLOGICAL FLIGHT  
  METEOROLOGICAL INSTRUMENTS  
  SATELLITE OBSERVATION  
  UNMANNED SPACECRAFT

**SIRTF**

USE SPACE INFRARED TELESCOPE FACILITY

**SIS (SEMICONDUCTORS)**

UF SEMICONDUCTOR INSULATOR  
  SEMICONDUCTORS  
GS ELECTRONIC EQUIPMENT  
  . SOLID STATE DEVICES  
  . SIS (SEMICONDUCTORS)  
RT BARRIER LAYERS  
  MIM (SEMICONDUCTORS)  
  MIS (SEMICONDUCTORS)  
  MSM (SEMICONDUCTORS)  
  P-N JUNCTIONS  
  PHOTODIODES  
  PHOTOVOLTAIC CELLS  
  SCHOTTKY DIODES  
  SEMICONDUCTOR DIODES  
  SEMICONDUCTOR JUNCTIONS  
  SILICON JUNCTIONS  
  SOI (SEMICONDUCTORS)  
  SOLAR CELLS  
  SOS (SEMICONDUCTORS)  
  TIN OXIDES  
  TRANSISTORS

**SITE DATA PROCESSORS**

UF SDP (COMPUTERS)  
GS DATA PROCESSING EQUIPMENT  
  . COMPUTERS  
  . SITE DATA PROCESSORS  
RT APOLLO PROJECT  
  ∞ DATA  
  DATA LINKS  
  DATA PROCESSING

**SITE SELECTION**

GS SELECTION  
  . SITE SELECTION  
RT AIRPORTS  
  CERTIFICATION  
  ∞ FACILITIES  
  INDUSTRIAL AREAS  
  LAND USE  
  LEASING  
  LOGISTICS  
  OPTIONS  
  RESOURCES  
  ROADS  
  ROUTES  
  SERVICES  
  SITES  
  TERMINAL FACILITIES  
  TRANSPORTATION  
  UTILITIES

**SITES**

UF TRACTS  
GS SITES  
  . ARIZONA REGIONAL ECOLOGICAL  
    TEST SITE  
  . CENTRAL ATLANTIC REGIONAL ECOL  
    TEST SITE  
  . LANDING SITES  
  . LUNAR LANDING SITES  
  . LAUNCHING SITES  
  . LAUNCHING PADS  
  . OFFSHORE REACTOR SITES  
RT AIRPORT PLANNING  
  BARREN LAND  
  ∞ FACILITIES  
  LAND  
  ∞ PLOTS  
  POSITION (LOCATION)

## SITTING POSITION

### SITES-(CONT.)

REGIONS  
RURAL LAND USE  
SITE SELECTION

### SITTING POSITION

RT PRONE POSITION  
REST  
SEATS  
SUPINE POSITION

### SIZE (DIMENSIONS)

GS SIZE (DIMENSIONS)  
. GRAIN SIZE  
RT FINENESS

### SIZE DETERMINATION

GS SIZE DETERMINATION  
. PRECIPITATION PARTICLE  
MEASUREMENT  
RT BODY MEASUREMENT (BIOLOGY)  
CLASSIFIERS  
DIMENSIONAL MEASUREMENT  
∞ MEASUREMENT  
PARTICLE SIZE DISTRIBUTION  
∞ SIZING

### SIZE DISTRIBUTION

GS SIZE DISTRIBUTION  
. PARTICLE SIZE DISTRIBUTION  
RT DROP SIZE  
MASS DISTRIBUTION  
STATISTICAL DISTRIBUTIONS

### SIZE SEPARATION

UF SIZING (SEPARATION)  
RT BENEFICIATION  
CLASSIFIERS  
∞ CLASSIFYING  
CONCENTRATORS  
FILTRATION  
FLOTATION  
METAL POWDER  
PARTICLE SIZE DISTRIBUTION  
POWDER (PARTICLES)  
∞ SEPARATION  
SETTLING  
∞ SIZING

### ∞ SIZING

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT BODY MEASUREMENT (BIOLOGY)  
SIZE DETERMINATION  
SIZE SEPARATION  
SIZING (SHAPING)  
SIZING (SURFACE TREATMENT)  
SIZING MATERIALS

### SIZING (SEPARATION)

USE SIZE SEPARATION

### SIZING (SHAPING)

GS METAL WORKING  
. SIZING (SHAPING)  
RT COINING  
PRESSING (FORMING)  
∞ SIZING

### SIZING (SURFACE TREATMENT)

SN (EXCLUDES MECHANICAL SHAPING OR  
REMOVAL OF SURFACE MATERIALS)  
RT FINISHES  
SIZING MATERIALS  
∞ SURFACES

### SIZING MATERIALS

SN (MATERIALS USED FOR SURFACE  
TREATMENT)  
RT BINDERS (MATERIALS)  
CLAYS  
FILLERS  
GLUES  
∞ MATERIALS  
SIZING (SURFACE TREATMENT)  
STARCHES

### SIZING SCREENS

GS SEPARATORS  
. CLASSIFIERS  
. SIZING SCREENS  
RT AGITATION  
CONCENTRATORS

### SIZING SCREENS-(CONT.)

FLUID FILTERS  
∞ SCREENS  
SHAKERS  
SIEVES

### SKELETON

USE MUSCULOSKELETAL SYSTEM

### SKEWNESS

RT ASYMMETRY  
DEFORMATION  
DISPLACEMENT  
DISTORTION  
DISTRIBUTION MOMENTS  
ECCENTRICITY  
MOMENTS

### SKID LANDINGS

GS LANDING  
. AIRCRAFT LANDING  
. SKID LANDINGS  
RT AIR CUSHION LANDING SYSTEMS  
CRASH LANDING  
HYDROPLANING  
SKIDDING

### SKIDDING

RT HYDROPLANING  
LANDING GEAR  
SIDESLIP  
SKID LANDINGS  
SLEDS  
YAW

### SKILLS

USE ABILITIES

### SKIN (ANATOMY)

GS ANATOMY  
. SKIN (ANATOMY)  
. EPIDERMIS  
RT ALBINISM  
∞ BLISTERS  
CAROTENE  
CHLOROPHYLLS  
COLLAGENS  
CONTACT DERMATITIS  
CYTOCHROMES  
DERMATITIS  
DERMATOLOGY  
EPITHELIUM  
EVAPORATION  
HAIR  
HOMEOSTASIS  
LEATHER  
MELANIN  
MEMBRANES  
PERSPIRATION  
PETECHIA  
PIGMENTS  
SECRETIONS  
SENSE ORGANS  
THERMORECEPTORS  
TOUCH

### SKIN (STRUCTURAL MEMBER)

GS MEMBRANES  
. MEMBRANE STRUCTURES  
. SKIN (STRUCTURAL MEMBER)  
STRUCTURAL MEMBERS  
. MEMBRANE STRUCTURES  
. SKIN (STRUCTURAL MEMBER)  
RT AIRCRAFT CONSTRUCTION MATERIALS  
∞ CONSTRUCTION MATERIALS  
HULLS (STRUCTURES)  
METAL SHELLS  
SHELLS (STRUCTURAL FORMS)  
STRESSED-SKIN STRUCTURES  
THIN WALLED SHELLS  
THIN WALLS  
TOROIDAL SHELLS  
WEBBS (SUPPORTS)

### SKIN FRICTION

UF FRICTION PRESSURE DROP  
GS FRICTION  
. SKIN FRICTION  
. FRICTION DRAG  
. AERODYNAMIC DRAG  
. SUPERSONIC DRAG  
. VISCOUS DRAG  
RT AERODYNAMIC HEATING  
DRAG  
DRAG DEVICES

### SKIN FRICTION-(CONT.)

FLOW RESISTANCE  
FLUID FLOW  
FRICTION FACTOR  
STREAMLINING

### SKIN GRAFTS

RT SURGERY  
THERAPY

### SKIN RESISTANCE

GS ELECTRICAL PROPERTIES  
. ELECTRICAL IMPEDANCE  
. ELECTRICAL RESISTANCE  
. SKIN RESISTANCE  
IMPEDANCE  
. ELECTRICAL IMPEDANCE  
. ELECTRICAL RESISTANCE  
. SKIN RESISTANCE  
RT ∞ RESISTANCE

### SKIN TEMPERATURE (BIOLOGY)

GS TEMPERATURE  
. SKIN TEMPERATURE (BIOLOGY)  
RT ∞ BIOLOGY  
FEVER  
HYPERTHERMIA  
HYPOTHERMIA

### SKIN TEMPERATURE (NON-BIOLOGICAL)

GS SURFACE PROPERTIES  
. SURFACE TEMPERATURE  
. SKIN TEMPERATURE  
(NON-BIOLOGICAL)  
TEMPERATURE  
. SURFACE TEMPERATURE  
. SKIN TEMPERATURE  
(NON-BIOLOGICAL)  
RT AERODYNAMIC HEATING  
AEROTHERMODYNAMICS

### SKINNER BOXES

RT BEHAVIOR  
PSYCHOLOGICAL TESTS  
PSYCHOMETRICS

### SKIRTS

RT AFTERBODIES  
BOATTAILS  
CONICAL NOZZLES  
EXHAUST NOZZLES  
FOUNDATIONS  
∞ JET NOZZLES  
ROCKET NOZZLES

### SKIS

RT HYDROFOILS  
HYDROPLANES (SURFACES)  
LANDING GEAR

### SKUA ROCKET VEHICLES

GS ROCKET VEHICLES  
. SOUNDING ROCKETS  
. SKUA ROCKET VEHICLES  
RT SOLID PROPELLANT ROCKET ENGINES  
∞ VEHICLES

### SKULL

GS ANATOMY  
. HEAD (ANATOMY)  
. SKULL  
. CRANIUM  
. INTRACRANIAL CAVITY  
. MASTOIDS  
. MUSCULOSKELETAL SYSTEM  
. BONES  
. SKULL  
. CRANIUM  
. INTRACRANIAL CAVITY  
. MASTOIDS  
RT FOREHEAD  
INTERCRANIAL CIRCULATION

### SKY

GS SKY  
. NIGHT SKY  
RT CLOUD COVER  
CLOUDS (METEOROLOGY)  
DAYGLOW  
RAYLEIGH SCATTERING  
SUNLIGHT

### SKY BRIGHTNESS

GS ELECTROMAGNETIC PROPERTIES

**SKY BRIGHTNESS-(CONT.)**

.. OPTICAL PROPERTIES  
 .. **SKY BRIGHTNESS**  
 RT AIRGLOW  
 AURORAS  
 BRIGHTNESS  
 CLOUD COVER  
 DAYTIME  
 GEGENSCHIEIN  
 GLARE  
 LIGHT (VISIBLE RADIATION)  
 LIGHT EMISSION  
 LUMINANCE  
 NIGHT  
 NIGHT SKY  
 NIGHTGLOW  
 SOLAR RADIATION  
 SUNLIGHT  
 ZODIACAL LIGHT

**SKY RADIATION**

GS ATMOSPHERIC RADIATION  
 .. **SKY RADIATION**  
 .. AIRGLOW  
 .. GEOPORONAL EMISSIONS  
 .. NIGHTGLOW  
 .. TWILIGHT GLOW  
 .. DAYGLOW  
 ELECTROMAGNETIC RADIATION  
 .. LIGHT (VISIBLE RADIATION)  
 .. **SKY RADIATION**  
 .. AIRGLOW  
 .. GEOPORONAL EMISSIONS  
 .. NIGHTGLOW  
 .. TWILIGHT GLOW  
 .. DAYGLOW  
 RT BACKGROUND RADIATION  
 PYRANOMETERS  
 .. RADIATION  
 STRATOSPHERE RADIATION  
 SUNLIGHT  
 THERMAL RADIATION  
 TROPOSPHERIC RADIATION

**SKY SURVEYS (ASTRONOMY)**

GS OBSERVATION  
 .. **SKY SURVEYS (ASTRONOMY)**  
 SURVEYS  
 .. **SKY SURVEYS (ASTRONOMY)**  
 RT ASTRONOMICAL CATALOGS  
 ASTRONOMY  
 INDEXES (DOCUMENTATION)  
 NORTHERN SKY  
 SOUTHERN SKY

**SKY WAVES**

GS ELECTROMAGNETIC RADIATION  
 .. RADIO WAVES  
 .. **SKY WAVES**  
 .. WHISTLERS  
 RT GROUND WAVE PROPAGATION  
 IONOSPHERIC NOISE

**SKYBOLT MISSILE**

GS MISSILES  
 .. BALLISTIC MISSILES  
 .. **SKYBOLT MISSILE**  
 RT SOLID PROPELLANT ROCKET ENGINES

**SKYCRANE HELICOPTER**

USE CH-54 HELICOPTER

**SKYDROL (TRADEMARK)**

GS LIQUIDS  
 .. HYDRAULIC FLUIDS  
 .. **SKYDROL (TRADEMARK)**  
 RT ESTERS  
 PHOSPHATES  
 PLASTICIZERS

**SKYHAWK AIRCRAFT**

USE A-4 AIRCRAFT

**SKYHOOK BALLOONS**

GS EXPANDABLE STRUCTURES  
 .. INFLATABLE STRUCTURES  
 .. BALLOONS  
 .. HIGH ALTITUDE BALLOONS  
 .. **SKYHOOK BALLOONS**  
 RT HIGH ALTITUDE  
 METEOROLOGICAL BALLOONS  
 ROBIN BALLOONS  
 ROCKOONS

**SKYLAB PROGRAM**

GS PROGRAMS  
 .. NASA PROGRAMS  
 .. NASA SPACE PROGRAMS  
 .. **SKYLAB PROGRAM**  
 .. SPACE PROGRAMS  
 .. NASA SPACE PROGRAMS  
 .. **SKYLAB PROGRAM**  
 RT AAP 1 MISSION  
 AAP 2 MISSION  
 AAP 3 MISSION  
 AAP 4 MISSION  
 AIRLOCK MODULES  
 APOLLO APPLICATIONS PROGRAM  
 APOLLO FLIGHTS  
 APOLLO PROJECT  
 APOLLO SPACECRAFT  
 APOLLO TELESCOPE MOUNT  
 EARTH RESOURCES INFORMATION  
 SYSTEM  
 EARTH RESOURCES PROGRAM  
 EARTH RESOURCES SURVEY PROGRAM  
 ORBITAL WORKSHOPS  
 SATURN WORKSHOPS  
 SATURN 1 WORKSHOP  
 SATURN 5 WORKSHOP  
 SPACELAB

**SKYLAB SPACE STATION (UNMANNED)**

USE SKYLAB 1

**SKYLAB 1**

UF SKYLAB SPACE STATION (UNMANNED)  
 SL 1  
 GS ARTIFICIAL SATELLITES  
 .. ORBITAL WORKSHOPS  
 .. **SKYLAB 1**  
 .. SPACE STATIONS  
 .. **SKYLAB 1**  
 LABORATORIES  
 .. SPACE LABORATORIES  
 .. MANNED ORBITAL LABORATORIES  
 .. **SKYLAB 1**  
 MANNED SPACECRAFT  
 .. MANNED ORBITAL LABORATORIES  
 .. **SKYLAB 1**  
 .. ORBITAL WORKSHOPS  
 .. **SKYLAB 1**  
 STATIONS  
 .. SPACE STATIONS  
 .. **SKYLAB 1**  
 RT AIRLOCK MODULES  
 COMMAND SERVICE MODULES  
 EREP  
 MULTIPLE DOCKING ADAPTERS  
 SPACE MISSIONS

**SKYLAB 2**

UF SL 2  
 GS ARTIFICIAL SATELLITES  
 .. ORBITAL WORKSHOPS  
 .. **SKYLAB 2**  
 .. SPACE STATIONS  
 .. **SKYLAB 2**  
 LABORATORIES  
 .. SPACE LABORATORIES  
 .. MANNED ORBITAL LABORATORIES  
 .. **SKYLAB 2**  
 MANNED SPACECRAFT  
 .. MANNED ORBITAL LABORATORIES  
 .. **SKYLAB 2**  
 .. ORBITAL WORKSHOPS  
 .. **SKYLAB 2**  
 STATIONS  
 .. SPACE STATIONS  
 .. **SKYLAB 2**  
 RT AIRLOCK MODULES  
 COMMAND SERVICE MODULES  
 EREP  
 MULTIPLE DOCKING ADAPTERS  
 SATURN 1B LAUNCH VEHICLES  
 SATURN 5 LAUNCH VEHICLES  
 SPACE MISSIONS

**SKYLAB 3**

UF SL 3  
 GS ARTIFICIAL SATELLITES  
 .. ORBITAL WORKSHOPS  
 .. **SKYLAB 3**  
 .. SPACE STATIONS  
 .. **SKYLAB 3**  
 LABORATORIES  
 .. SPACE LABORATORIES  
 .. MANNED ORBITAL LABORATORIES  
 .. **SKYLAB 3**

**SKYLAB 3-(CONT.)**

MANNED SPACECRAFT  
 .. MANNED ORBITAL LABORATORIES  
 .. **SKYLAB 3**  
 .. ORBITAL WORKSHOPS  
 .. **SKYLAB 3**  
 STATIONS  
 .. SPACE STATIONS  
 .. **SKYLAB 3**  
 RT AIRLOCK MODULES  
 COMMAND SERVICE MODULES  
 EREP  
 MULTIPLE DOCKING ADAPTERS  
 SATURN 1B LAUNCH VEHICLES  
 SATURN 5 LAUNCH VEHICLES  
 SPACE MISSIONS

**SKYLAB 4**

UF SL 4  
 GS ARTIFICIAL SATELLITES  
 .. ORBITAL WORKSHOPS  
 .. **SKYLAB 4**  
 .. SPACE STATIONS  
 .. **SKYLAB 4**  
 LABORATORIES  
 .. SPACE LABORATORIES  
 .. MANNED ORBITAL LABORATORIES  
 .. **SKYLAB 4**  
 MANNED SPACECRAFT  
 .. MANNED ORBITAL LABORATORIES  
 .. **SKYLAB 4**  
 .. ORBITAL WORKSHOPS  
 .. **SKYLAB 4**  
 STATIONS  
 .. SPACE STATIONS  
 .. **SKYLAB 4**  
 RT AIRLOCK MODULES  
 COMMAND SERVICE MODULES  
 EREP  
 MULTIPLE DOCKING ADAPTERS  
 SATURN 1B LAUNCH VEHICLES  
 SATURN 5 LAUNCH VEHICLES  
 SPACE MISSIONS

**SKYLARK**

USE SKYLARK ROCKET VEHICLE

**SKYLARK ROCKET VEHICLE**

UF SKYLARK  
 GS ROCKET VEHICLES  
 .. MULTISTAGE ROCKET VEHICLES  
 .. **SKYLARK ROCKET VEHICLE**  
 .. SOUNDING ROCKETS  
 .. **SKYLARK ROCKET VEHICLE**  
 RT SOLID PROPELLANT ROCKET ENGINES

**SKYMASTER AIRCRAFT**

USE C-54 AIRCRAFT

**SKYNET SATELLITES**

GS ARTIFICIAL SATELLITES  
 .. **SKYNET SATELLITES**  
 RT COMMUNICATION SATELLITES  
 SATELLITE NETWORKS  
 UK SATELLITES

**SKYRAIDER AIRCRAFT**

USE A-1 AIRCRAFT

**SKYROCKET AIRCRAFT**

USE D-558 AIRCRAFT

**SKYSTREAK AIRCRAFT**

USE D-558 AIRCRAFT

**SKYVAN AIRCRAFT**

USE SC-7 AIRCRAFT

**SKYWARRIOR AIRCRAFT**

USE A-3 AIRCRAFT

**SL 1**

USE SKYLAB 1

**SL 2**

USE SKYLAB 2

**SL 3**

USE SKYLAB 3

**SL 4**

USE SKYLAB 4

## SL-3 ROCKET ENGINE

### SL-3 ROCKET ENGINE

- GS ENGINES
  - . ROCKET ENGINES
  - . . SOLID PROPELLANT ROCKET ENGINES
  - . . . SL-3 ROCKET ENGINE

### SLABS

- RT BILLETS
  - BLOCKS
  - FLAT PLATES
  - METAL PLATES
  - PLATES (STRUCTURAL MEMBERS)
  - ∞ PLATFORMS
  - STRUCTURAL MEMBERS

### SLAGS

- RT AGGREGATES
  - REACTION PRODUCTS
  - WASTES

### SLAM

- USE SUPERSONIC LOW ALTITUDE MISSILE

### SLAMMING

- RT FLUID DYNAMICS

### SLANT

- USE SLOPES

### SLANT PERCEPTION

- USE SPACE PERCEPTION

### SLASHES

- USE CLEARINGS (OPENINGS)

### SLATER ORBITALS

- GS ORBITALS
  - . SLATER ORBITALS
- RT HARTREE-FOCK-SLATER METHOD
  - ORBITAL ELEMENTS

### SLEDS

- GS SURFACE VEHICLES
  - . SLEDS
  - . . ROCKET PROPELLED SLEDS
- RT DOLLIES
  - SKIDDING
  - TOWED BODIES
  - TRACTORS
  - TRAILERS

### SLEEP

- UF DROWSINESS
- GS SLEEP
  - . HYPERSOMNIA
  - . HYPNOSIS
  - . INSOMNIA
- RT DREAMS
  - ∞ DRIVES
  - RAPID EYE MOVEMENT STATE
  - REST

### SLEEP DEPRIVATION

- GS DEPRIVATION
  - . SLEEP DEPRIVATION
- RT CONSCIOUSNESS
  - INSOMNIA
  - WAKEFULNESS

### SLEEVES

- SN (EXCLUDES CLOTHING)
- RT CONNECTORS
  - COUPLINGS
  - FASTENERS
  - FITTINGS
  - JOINTS (JUNCTIONS)

### SLENDER BODIES

- GS SLENDER BODIES
  - . SLENDER CONES
- RT AERODYNAMIC CONFIGURATIONS
  - AERODYNAMICS
  - AXISYMMETRIC BODIES
  - ∞ BODIES
  - DUCTED BODIES
  - FINENESS RATIO
  - MISSILE BODIES
  - STREAMLINED BODIES
  - SYMMETRICAL BODIES
  - ∞ THIN BODIES

### SLENDER CONES

- GS CONES

### SLENDER CONES-(CONT.)

- . CONICAL BODIES
- . . SLENDER CONES
- SLENDER BODIES
- . SLENDER CONES
- SYMMETRICAL BODIES
- . BODIES OF REVOLUTION
- . . CONICAL BODIES
- . . . SLENDER CONES
- RT AERODYNAMIC CONFIGURATIONS
  - AXISYMMETRIC BODIES

### SLENDER WINGS

- UF HIGH ASPECT RATIO WINGS
- GS AIRFOILS
  - . WINGS
  - . . SLENDER WINGS
  - . . . INFINITE SPAN WINGS
- RT FIXED WINGS
  - WING PLANFORMS

### SLEUTH (PROGRAMMING LANGUAGE)

- GS LANGUAGES
  - . PROGRAMMING LANGUAGES
  - . . MACHINE ORIENTED LANGUAGES
  - . . . SLEUTH (PROGRAMMING LANGUAGE)
- RT COMPUTER PROGRAMMING

### SLEWING

- RT ANTENNAS
  - ERROR SIGNALS
  - POSITIONING DEVICES (MACHINERY)
  - RADAR TRACKING
  - SERVOMOTORS
  - ∞ SPINNERS

### SLICING

- GS CUTTING
  - . SLICING
- RT METAL CUTTING
  - PLANING
  - PLANNING
  - SCARFING
  - ∞ SEPARATION
  - SPLITTING

### SLICKS

- USE OIL SLICKS

### SLIDES

- USE CHUTES

### SLIDES (MICROSCOPY)

- RT MICROSCOPY

### SLIDING

- RT INTERFACIAL TENSION
  - LUBRICATION
  - MASS FLOW
  - ∞ SLIP
  - SLUMPING
  - STATIC FRICTION

### ∞ SLIDING CONTACT

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT CONTACT LOADS
  - ELECTRIC CONTACTS
  - SLIDING FRICTION

### SLIDING FRICTION

- GS FRICTION
  - . KINETIC FRICTION
  - . . SLIDING FRICTION
- RT COEFFICIENT OF FRICTION
  - DRY FRICTION
  - ELECTRIC CONTACTS
  - ∞ SLIDING CONTACT
  - STATIC FRICTION
  - WEAR
  - WEAR RESISTANCE

### ∞ SLIP

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT PLASTIC DEFORMATION
  - POLYSLIPS
  - SIDESLIP
  - SLIDING

### SLIP BANDS

- USE EDGE DISLOCATIONS

### SLIP CASTING

- GS FORMING TECHNIQUES
  - . CASTING
  - . . SLIP CASTING

### SLIP FLOW

- SN (LIMITED TO RAREFIED GAS FLOW IN THE REGION BETWEEN KNUDSEN NUMBERS 0.01 AND 0.1 ONLY--EXCLUDES TRANSITION FLOW, FREE MOLECULE FLOW CREEP, SHEAR FLOW, AND PLASTIC FLOW)
- GS FLUID FLOW
  - . GAS FLOW
  - . . MOLECULAR FLOW
  - . . . SLIP FLOW
- RT CONTINUUM FLOW
  - FREE MOLECULAR FLOW
  - LOW DENSITY WIND TUNNELS
  - RAREFIED GAS DYNAMICS
  - TRANSITION FLOW

### SLIPSTREAMS

- GS WAKES
  - . AIRCRAFT WAKES
  - . . SLIPSTREAMS
  - . . . PROPELLER SLIPSTREAMS
  - . . . TURBULENT WAKES
  - . . . SLIPSTREAMS
  - . . . PROPELLER SLIPSTREAMS
- RT BACKWASH
  - STROUHAL NUMBER
  - TURBULENCE

### SLITS

- GS OPENINGS
  - . SLITS
- RT APERTURES
  - FRESNEL REFLECTORS
  - SLOTS

### SLIVERS

- RT FIBERS
  - WOOD

### SLOPES

- UF CANT
  - SLANT
  - STEEPNESS
- GS SLOPES
  - . GLIDE PATHS
- RT ANGLES (GEOMETRY)
  - CLIFFS
  - ESCARPMENTS
  - ∞ GRADE
  - GRADIENTS
  - HEIGHT
  - ∞ INCLINATION
  - LANDFORMS
  - LANDSLIDES
  - LEVEL (HORIZONTAL)
  - PITCH (INCLINATION)
  - ∞ PROFILES
  - ∞ RAKES
  - RAMP FUNCTIONS
  - RAMPS (STRUCTURES)
  - TOPOGRAPHY

### SLOSHING

- USE LIQUID SLOSHING

### SLOT ANTENNAS

- UF SLOTTED ANTENNAS
- GS ANTENNAS
  - . DIRECTIONAL ANTENNAS
  - . . SLOT ANTENNAS
- RT ANTENNA DESIGN
  - HORN ANTENNAS
  - MICROWAVE ANTENNAS
  - RADANT
  - RADAR ANTENNAS
  - WAVEGUIDE ANTENNAS

### SLOTS

- GS SLOTS
  - . WING SLOTS
- RT LIFT DEVICES
  - LOUVERS
  - OPENINGS
  - SLITS

**SLOTTED ANTENNAS**  
USE SLOT ANTENNAS

**SLOTTED WIND TUNNELS**  
GS TEST FACILITIES  
WIND TUNNELS  
RT **SLOTTED WIND TUNNELS**  
SUPERSONIC WIND TUNNELS  
TRANSONIC WIND TUNNELS  
TRISONIC WIND TUNNELS  
VENTS

**SLOW NEUTRONS**  
USE THERMAL NEUTRONS

**SLUDGE**  
GS **SLUDGE**  
ACTIVATED SLUDGE  
RT DEPOSITS  
LIQUID WASTES  
MUD  
OCEAN BOTTOM  
ORGANIC WASTES (FUEL CONVERSION)  
REACTION PRODUCTS  
SEDIMENTS  
SEWAGE TREATMENT  
SOLID WASTES  
WASTE TREATMENT  
WASTES

**SLUMPING**  
RT GEOMORPHOLOGY  
MASS FLOW  
SLIDING

**SLURRIES**  
GS MIXTURES  
SLURRIES  
RT DISPERSIONS  
EMULSIONS  
GELS  
RHEOCASTING  
SLURRY PROPELLANTS

**SLURRY PROPELLANTS**  
GS PROPELLANTS  
ROCKET PROPELLANTS  
LIQUID ROCKET PROPELLANTS  
SLURRY PROPELLANTS  
RT AIRCRAFT FUELS  
COLLOIDAL PROPELLANTS  
DISPERSIONS  
GELLED ROCKET PROPELLANTS  
METAL FUELS  
METAL PROPELLANTS  
MONOPROPELLANTS  
SLURRIES  
SOLID ROCKET PROPELLANTS

**SLUSH**  
RT BAY ICE  
CRYOGENIC ROCKET PROPELLANTS  
ICE  
RUNWAY CONDITIONS  
SNOW  
WATER

**SLV**  
USE STANDARD LAUNCH VEHICLES

**SLV (SOFT LANDING VEHICLES)**  
USE SOFT LANDING SPACECRAFT

**SM-65 MISSILE**  
USE ATLAS LAUNCH VEHICLES

**SM-68 MISSILE**  
USE TITAN 1 ICBM

**SM-68B MISSILE**  
USE TITAN 2 ICBM

**SMALL ASTRONOMY SATELLITE 1**  
USE SAS-1

**SMALL ASTRONOMY SATELLITE 2**  
USE SAS-2

**SMALL ASTRONOMY SATELLITE 3**  
USE SAS-3

**SMALL ASTRONOMY SATELLITES**  
USE SAS

**SMALL PERTURBATION FLOW**  
GS FLUID FLOW  
RT **SMALL PERTURBATION FLOW**  
FLOW DISTORTION  
OSCILLATING FLOW

**SMALL SCIENTIFIC SATELLITES**  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
SMALL SCIENTIFIC SATELLITES

**SMALL WATER PLANE AREA TWIN HULL**  
USE SWATH (SHIP)

**SMALLPOX**  
GS DISEASES  
INFECTIOUS DISEASES  
VIRAL DISEASES  
SMALLPOX

**SMEAR**  
RT FREQUENCY RESPONSE  
IMAGE CONTRAST  
SIGNAL FADING  
TELEVISION TRANSMISSION  
VIDEO DATA

**SMELL**  
USE OLFACTORY PERCEPTION

**SMELTING**  
RT MELTING  
METALLURGY  
REDUCTION (CHEMISTRY)  
REFINING

**SMITH CHART**  
RT ELECTRICAL IMPEDANCE  
IMPEDANCE  
POLAR COORDINATES  
REACTANCE  
STANDING WAVE RATIOS  
TRANSMISSION LINES  
WAVEGUIDES

**SMM-A**  
USE SOLAR MAXIMUM MISSION-A

**SMOG**  
RT AIR POLLUTION  
AIR SAMPLING  
CARBON MONOXIDE  
COMBUSTION PRODUCTS  
ENVIRONMENTAL CHEMISTRY  
EXHAUST GASES  
FLAMES  
FOG  
HYDROCARBON COMBUSTION  
HYDROCARBON POISONING  
LEAD POISONING  
PARTICULATES  
SMOKE

**SMOKE**  
GS MIXTURES  
DISPERSIONS  
PLASTISOLS  
SMOKE

RT AEROSOLS  
AIR POLLUTION  
COMBUSTION PRODUCTS  
DUST  
EXHAUST GASES  
FIRE DAMAGE  
FOG  
FOREST FIRES  
FUMES  
HAZE DETECTION  
MARKERS  
PARTICLES  
PARTICULATES  
SMOG  
SOOT  
VAPORS  
VISIBILITY

**SMOKE ABATEMENT**  
RT AEROSOLS  
AIR POLLUTION  
CARBON DIOXIDE REMOVAL  
EXHAUST GASES  
POLLUTION  
SOOT

**SMOKE DETECTORS**  
GS MEASURING INSTRUMENTS  
INDICATING INSTRUMENTS  
SMOKE DETECTORS  
RT FIRE PREVENTION  
FUMES  
GAS DETECTORS  
SAFETY DEVICES  
SIGNAL PROCESSING

**SMOKE TRAILS**  
RT TRACKS  
WIND DIRECTION  
WIND MEASUREMENT  
WIND PROFILES

**SMOOTHING**  
GS **SMOOTHING**  
DATA SMOOTHING  
RT ADJUSTING  
FLATTENING  
HONING  
LEVELING  
PLANING  
POLISHING  
ROUGHNESS

**SMS**  
USE SYNCHRONOUS METEOROLOGICAL SATELLITE

**SMS 1**  
GS ARTIFICIAL SATELLITES  
METEOROLOGICAL SATELLITES  
SYNCHRONOUS EARTH  
OBSERVATORY SATELLITE  
SMS 1  
SYNCHRONOUS METEOROLOGICAL SATELLITE  
SMS 1  
SYNCHRONOUS SATELLITES  
SYNCHRONOUS EARTH  
OBSERVATORY SATELLITE  
SMS 1  
SYNCHRONOUS METEOROLOGICAL SATELLITE  
SMS 1  
GOES 2  
NOAA SATELLITES

**SMS 2**  
GS ARTIFICIAL SATELLITES  
METEOROLOGICAL SATELLITES  
SYNCHRONOUS EARTH  
OBSERVATORY SATELLITE  
SMS 2  
SYNCHRONOUS METEOROLOGICAL SATELLITE  
SMS 2  
SYNCHRONOUS SATELLITES  
SYNCHRONOUS EARTH  
OBSERVATORY SATELLITE  
SMS 2  
SYNCHRONOUS METEOROLOGICAL SATELLITE  
SMS 2  
GOES 2  
NOAA SATELLITES

**SMU (MANEUVERING UNITS)**  
USE SELF MANEUVERING UNITS

**SNAILS**  
GS ANIMALS  
INVERTEBRATES  
MOLLUSKS  
SNAILS

**SNAKES**  
GS ANIMALS  
VERTEBRATES  
REPTILES  
SNAKES

**SNAKING**  
USE LATERAL OSCILLATION

**SNAP**  
UF SYSTEMS FOR NUCLEAR AUXILIARY POWER  
GS AUXILIARY POWER SOURCES  
NUCLEAR AUXILIARY POWER UNITS  
SNAP  
FISSION ELECTRIC CELLS

## SNAP 1

### SNAP-(CONT.)

... SNAP 2  
... SNAP 4  
... SNAP 8  
... SNAP 10A  
... SNAP 1  
... SNAP 3  
... SNAP 7  
... SNAP 9A  
... SNAP 11  
... SNAP 13  
... SNAP 15  
... SNAP 17  
... SNAP 19  
... SNAP 21  
... SNAP 23  
... SNAP 27  
... SNAP 29  
... SNAP 50

NUCLEAR ELECTRIC POWER  
GENERATION

NUCLEAR AUXILIARY POWER UNITS

... SNAP  
... FISSION ELECTRIC CELLS

... SNAP 2  
... SNAP 4  
... SNAP 8  
... SNAP 10A

... SNAP 1  
... SNAP 3  
... SNAP 7  
... SNAP 9A  
... SNAP 11  
... SNAP 13  
... SNAP 15  
... SNAP 17  
... SNAP 19  
... SNAP 21  
... SNAP 23  
... SNAP 27  
... SNAP 29  
... SNAP 50

RT ELECTRIC GENERATORS

HEAT EXCHANGERS

NUCLEAR POWER REACTORS

SNAPTRAN REACTOR

SPACE POWER UNIT REACTORS

SYSTEMS

THERMIONIC CONVERTERS

THERMIONIC POWER GENERATION

THERMOELECTRIC GENERATORS

THERMOELECTRIC POWER GENERATION

TRANSIENT REACTOR TEST FACILITY

TURBOGENERATORS

### SNAP 1

GS AUXILIARY POWER SOURCES  
NUCLEAR AUXILIARY POWER UNITS  
... SNAP  
... SNAP 1  
NUCLEAR ELECTRIC POWER  
GENERATION  
NUCLEAR AUXILIARY POWER UNITS  
... SNAP

RT HEAT EXCHANGERS  
TURBOGENERATORS

### SNAP 2

GS AUXILIARY POWER SOURCES  
NUCLEAR AUXILIARY POWER UNITS  
... SNAP  
... FISSION ELECTRIC CELLS  
... SNAP 2  
... SPACE POWER REACTORS  
... FISSION ELECTRIC CELLS  
... SNAP 2  
NUCLEAR ELECTRIC POWER  
GENERATION  
NUCLEAR AUXILIARY POWER UNITS  
... SNAP  
... FISSION ELECTRIC CELLS  
... SNAP 2  
... SPACE POWER REACTORS  
... FISSION ELECTRIC CELLS  
... SNAP 2  
NUCLEAR POWER REACTORS  
... SPACE POWER REACTORS  
... FISSION ELECTRIC CELLS  
... SNAP 2  
NUCLEAR REACTORS  
NUCLEAR POWER REACTORS  
... SPACE POWER REACTORS  
... FISSION ELECTRIC CELLS  
... SNAP 2

### SNAP 2-(CONT.)

RT HEAT EXCHANGERS  
SPACE POWER UNIT REACTORS  
TURBOGENERATORS

### SNAP 3

GS AUXILIARY POWER SOURCES  
NUCLEAR AUXILIARY POWER UNITS  
... SNAP  
... SNAP 3  
ELECTRIC GENERATORS  
DIRECT POWER GENERATORS  
THERMOELECTRIC GENERATORS  
... SNAP 3  
NUCLEAR ELECTRIC POWER  
GENERATION  
NUCLEAR AUXILIARY POWER UNITS  
... SNAP  
... SNAP 3

### SNAP 4

GS AUXILIARY POWER SOURCES  
NUCLEAR AUXILIARY POWER UNITS  
... SNAP  
... FISSION ELECTRIC CELLS  
... SNAP 4  
SPACE POWER REACTORS  
FISSION ELECTRIC CELLS  
... SNAP 4  
NUCLEAR ELECTRIC POWER  
GENERATION  
NUCLEAR AUXILIARY POWER UNITS  
... SNAP  
... FISSION ELECTRIC CELLS  
... SNAP 4  
SPACE POWER REACTORS  
FISSION ELECTRIC CELLS  
... SNAP 4  
NUCLEAR POWER REACTORS  
SPACE POWER REACTORS  
FISSION ELECTRIC CELLS  
... SNAP 4  
NUCLEAR REACTORS  
NUCLEAR POWER REACTORS  
SPACE POWER REACTORS  
FISSION ELECTRIC CELLS  
... SNAP 4  
RT SPACE POWER UNIT REACTORS

### SNAP 7

GS AUXILIARY POWER SOURCES  
NUCLEAR AUXILIARY POWER UNITS  
... SNAP  
... SNAP 7  
ELECTRIC GENERATORS  
DIRECT POWER GENERATORS  
RADIOISOTOPE BATTERIES  
... SNAP 7  
THERMOELECTRIC GENERATORS  
... SNAP 7  
NUCLEAR ELECTRIC POWER  
GENERATION  
NUCLEAR AUXILIARY POWER UNITS  
... SNAP  
... SNAP 7

### SNAP 8

GS AUXILIARY POWER SOURCES  
NUCLEAR AUXILIARY POWER UNITS  
... SNAP  
... FISSION ELECTRIC CELLS  
... SNAP 8  
SPACE POWER REACTORS  
FISSION ELECTRIC CELLS  
... SNAP 8  
NUCLEAR ELECTRIC POWER  
GENERATION  
NUCLEAR AUXILIARY POWER UNITS  
... SNAP  
... FISSION ELECTRIC CELLS  
... SNAP 8  
SPACE POWER REACTORS  
FISSION ELECTRIC CELLS  
... SNAP 8  
NUCLEAR POWER REACTORS  
SPACE POWER REACTORS  
FISSION ELECTRIC CELLS  
... SNAP 8  
NUCLEAR REACTORS  
NUCLEAR POWER REACTORS  
SPACE POWER REACTORS  
FISSION ELECTRIC CELLS  
... SNAP 8  
RT HEAT EXCHANGERS  
SPACE POWER UNIT REACTORS

### SNAP 8-(CONT.)

TURBOGENERATORS

### SNAP 9A

GS AUXILIARY POWER SOURCES  
NUCLEAR AUXILIARY POWER UNITS  
... SNAP  
... SNAP 9A  
ELECTRIC GENERATORS  
DIRECT POWER GENERATORS  
RADIOISOTOPE BATTERIES  
... SNAP 9A  
THERMOELECTRIC GENERATORS  
... SNAP 9A  
NUCLEAR ELECTRIC POWER  
GENERATION  
NUCLEAR AUXILIARY POWER UNITS  
... SNAP  
... SNAP 9A

### SNAP 10A

GS AUXILIARY POWER SOURCES  
NUCLEAR AUXILIARY POWER UNITS  
... SNAP  
... FISSION ELECTRIC CELLS  
... SNAP 10A  
SPACE POWER REACTORS  
FISSION ELECTRIC CELLS  
... SNAP 10A  
ELECTRIC GENERATORS  
DIRECT POWER GENERATORS  
THERMOELECTRIC GENERATORS  
... SNAP 10A  
NUCLEAR ELECTRIC POWER  
GENERATION  
NUCLEAR AUXILIARY POWER UNITS  
... SNAP  
... FISSION ELECTRIC CELLS  
... SNAP 10A  
SPACE POWER REACTORS  
FISSION ELECTRIC CELLS  
... SNAP 10A  
NUCLEAR REACTORS  
NUCLEAR POWER REACTORS  
SPACE POWER REACTORS  
FISSION ELECTRIC CELLS  
... SNAP 10A  
RT HEAT EXCHANGERS  
SNAPSHOT SATELLITE

### SNAP 11

GS AUXILIARY POWER SOURCES  
NUCLEAR AUXILIARY POWER UNITS  
... SNAP  
... SNAP 11  
ELECTRIC GENERATORS  
DIRECT POWER GENERATORS  
RADIOISOTOPE BATTERIES  
... SNAP 11  
THERMOELECTRIC GENERATORS  
... SNAP 11  
NUCLEAR ELECTRIC POWER  
GENERATION  
NUCLEAR AUXILIARY POWER UNITS  
... SNAP  
... SNAP 11

### SNAP 13

GS AUXILIARY POWER SOURCES  
NUCLEAR AUXILIARY POWER UNITS  
... SNAP  
... SNAP 13  
ELECTRIC GENERATORS  
DIRECT POWER GENERATORS  
RADIOISOTOPE BATTERIES  
... SNAP 13  
THERMIONIC CONVERTERS  
... SNAP 13  
NUCLEAR ELECTRIC POWER  
GENERATION  
NUCLEAR AUXILIARY POWER UNITS  
... SNAP  
... SNAP 13  
RT THERMIONIC POWER GENERATION

### SNAP 15

GS AUXILIARY POWER SOURCES  
NUCLEAR AUXILIARY POWER UNITS  
... SNAP  
... SNAP 15  
ELECTRIC GENERATORS

## SOCIAL FACTORS

### SNAP 15-(CONT.)

. DIRECT POWER GENERATORS  
. RADIOISOTOPE BATTERIES  
. . . SNAP 15  
. THERMOELECTRIC GENERATORS  
. . . SNAP 15  
NUCLEAR ELECTRIC POWER  
GENERATION  
. NUCLEAR AUXILIARY POWER UNITS  
. SNAP  
. . . SNAP 15

### SNAP 17

GS AUXILIARY POWER SOURCES  
. NUCLEAR AUXILIARY POWER UNITS  
. SNAP  
. . . SNAP 17  
ELECTRIC GENERATORS  
. DIRECT POWER GENERATORS  
. RADIOISOTOPE BATTERIES  
. . . SNAP 17  
. THERMOELECTRIC GENERATORS  
. . . SNAP 17  
NUCLEAR ELECTRIC POWER  
GENERATION  
. NUCLEAR AUXILIARY POWER UNITS  
. SNAP  
. . . SNAP 17

### SNAP 19

GS AUXILIARY POWER SOURCES  
. NUCLEAR AUXILIARY POWER UNITS  
. SNAP  
. . . SNAP 19  
ELECTRIC GENERATORS  
. DIRECT POWER GENERATORS  
. RADIOISOTOPE BATTERIES  
. . . SNAP 19  
. THERMOELECTRIC GENERATORS  
. . . SNAP 19  
NUCLEAR ELECTRIC POWER  
GENERATION  
. NUCLEAR AUXILIARY POWER UNITS  
. SNAP  
. . . SNAP 19

### SNAP 21

GS AUXILIARY POWER SOURCES  
. NUCLEAR AUXILIARY POWER UNITS  
. SNAP  
. . . SNAP 21  
ELECTRIC GENERATORS  
. DIRECT POWER GENERATORS  
. RADIOISOTOPE BATTERIES  
. . . SNAP 21  
. THERMOELECTRIC GENERATORS  
. . . SNAP 21  
NUCLEAR ELECTRIC POWER  
GENERATION  
. NUCLEAR AUXILIARY POWER UNITS  
. SNAP  
. . . SNAP 21

### SNAP 23

GS AUXILIARY POWER SOURCES  
. NUCLEAR AUXILIARY POWER UNITS  
. SNAP  
. . . SNAP 23  
ELECTRIC GENERATORS  
. DIRECT POWER GENERATORS  
. RADIOISOTOPE BATTERIES  
. . . SNAP 23  
. THERMOELECTRIC GENERATORS  
. . . SNAP 23  
NUCLEAR ELECTRIC POWER  
GENERATION  
. NUCLEAR AUXILIARY POWER UNITS  
. SNAP  
. . . SNAP 23

### SNAP 27

GS AUXILIARY POWER SOURCES  
. NUCLEAR AUXILIARY POWER UNITS  
. SNAP  
. . . SNAP 27  
ELECTRIC GENERATORS  
. DIRECT POWER GENERATORS  
. RADIOISOTOPE BATTERIES  
. . . SNAP 27  
. THERMOELECTRIC GENERATORS  
. . . SNAP 27  
NUCLEAR ELECTRIC POWER  
GENERATION  
. NUCLEAR AUXILIARY POWER UNITS  
. SNAP

### SNAP 27-(CONT.)

. . . SNAP 27

### SNAP 29

GS AUXILIARY POWER SOURCES  
. NUCLEAR AUXILIARY POWER UNITS  
. SNAP  
. . . SNAP 29  
ELECTRIC GENERATORS  
. DIRECT POWER GENERATORS  
. RADIOISOTOPE BATTERIES  
. . . SNAP 29  
. THERMOELECTRIC GENERATORS  
. . . SNAP 29  
NUCLEAR ELECTRIC POWER  
GENERATION  
. NUCLEAR AUXILIARY POWER UNITS  
. SNAP  
. . . SNAP 29

### SNAP 50

GS AUXILIARY POWER SOURCES  
. NUCLEAR AUXILIARY POWER UNITS  
. SNAP  
. . . SNAP 50  
. SPACE POWER REACTORS  
. . . SNAP 50  
NUCLEAR ELECTRIC POWER  
GENERATION  
. NUCLEAR AUXILIARY POWER UNITS  
. SNAP  
. . . SNAP 50  
. SPACE POWER REACTORS  
. . . SNAP 50  
RT SPACE POWER UNIT REACTORS

### SNAPSHOT SATELLITE

GS ARTIFICIAL SATELLITES  
. SNAPSHOT SATELLITE  
RT SNAP 10A

### SNAPTRAN REACTOR

RT  $\infty$  REACTORS  
SNAP

### SNATCHING

USE SPACECRAFT RECOVERY

### SNEAK CIRCUIT ANALYSIS

GS NETWORK ANALYSIS  
. SNEAK CIRCUIT ANALYSIS  
RT AUTOMATIC TEST EQUIPMENT  
CIRCUIT PROTECTION  
CIRCUIT RELIABILITY  
CRITICAL PATH METHOD  
ELECTRIC NETWORKS  
ELECTRICAL FAULTS  
RELIABILITY ENGINEERING  
SHORT CIRCUITS  
SIGNAL FLOW GRAPHS  
TREES (MATHEMATICS)

### SNEEZING

GS REFLEXES  
. RESPIRATORY REFLEXES  
. SNEEZING  
RT INVOLUNTARY ACTIONS  
VASOCONSTRICTION

### SNELLEN TESTS

RT  $\infty$  TESTS  
VISUAL ACUITY

### SNELLS LAW

GS LAWS  
. SNELLS LAW  
RT GEOMETRICAL OPTICS  
 $\infty$  OPTICS  
REFRACTION  
REFRACTIVITY

### SNOW

GS PRECIPITATION (METEOROLOGY)  
. SNOW  
RT ACID RAIN  
CIRQUES (LANDFORMS)  
CLOUD GLACIATION  
ICE FORMATION  
SLUSH  
STORMS (METEOROLOGY)

### SNOW AERIAL APPLICATOR AIRCRAFT S-2B

USE S-2 AIRCRAFT

### SNOW AIRCRAFT

GS SNOW AIRCRAFT  
. S-2 AIRCRAFT  
RT  $\infty$  AIRCRAFT  
UTILITY AIRCRAFT

### SNOW COVER

GS PRECIPITATION (METEOROLOGY)  
. SNOW COVER  
RT CLOUD GLACIATION  
COLD WEATHER  
STORM DAMAGE  
STORMS  
STORMS (METEOROLOGY)

### SNOW S-2 AIRCRAFT

USE S-2 AIRCRAFT

### SNOWPLOW EFFECT

USE PLASMA DYNAMICS

### SNOWSTORMS

GS STORMS  
. STORMS (METEOROLOGY)  
. SNOWSTORMS  
RT CLIMATOLOGY  
PRECIPITATION (METEOROLOGY)  
STORM ENHANCEMENT  
STORM SUPPRESSION  
WEATHER FORECASTING  
WEATHER MODIFICATION

### $\infty$ SOAKING

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT BATHS  
HEAT TREATMENT  
HEATING  
SUBMERGING  
WATER IMMERSION  
WETTING

### SOAPS

RT DETERGENTS  
STEARATES  
SURFACTANTS  
WETTING

### SOARING

RT CLIMBING FLIGHT  
COASTING FLIGHT  
 $\infty$  FLIGHT  
GLIDERS  
GLIDING  
HANG GLIDERS  
HORIZONTAL FLIGHT  
MAN POWERED AIRCRAFT  
VERTICAL AIR CURRENTS

### SOBOLEV SPACE

GS ALGEBRA  
. VECTOR SPACES  
. BANACH SPACE  
. . . HILBERT SPACE  
. . . . SOBOLEV SPACE  
ANALYSIS (MATHEMATICS)  
. FUNCTION SPACE  
. BANACH SPACE  
. . . HILBERT SPACE  
. . . . SOBOLEV SPACE  
. FUNCTIONAL ANALYSIS  
. BANACH SPACE  
. . . HILBERT SPACE  
. . . . SOBOLEV SPACE  
RT BOUNDARY VALUE PROBLEMS  
EUCLIDEAN GEOMETRY

### SOCIAL FACTORS

GS SOCIOLOGY  
. SOCIAL FACTORS  
. . . ETHNIC FACTORS  
RT ANTHROPOLOGY  
CRIME  
CULTURE (SOCIAL SCIENCES)  
POLICE  
RACE FACTORS  
SPACE PSYCHOLOGY  
STARSITE PROGRAM  
URBAN PLANNING  
URBAN RESEARCH  
 $\infty$  VARIABLE



## SOCIAL ISOLATION

**SOCIAL ISOLATION**  
 GS ISOLATION  
 RT **SOCIAL ISOLATION**  
 SOCIOLOGY

**SOCIAL PSYCHIATRY**  
 GS MEDICAL SCIENCE  
 PSYCHIATRY  
 RT **SOCIAL PSYCHIATRY**  
 SOCIOLOGY

**SOCIOLOGY**  
 GS **SOCIOLOGY**  
 SOCIAL FACTORS  
 ETHNIC FACTORS  
 RT ANTHROPOLOGY  
 CASE HISTORIES  
 CITIES  
 COMMUNITIES  
 CULTURE (SOCIAL SCIENCES)  
 DEMOGRAPHY  
 DEPENDENCE  
 GROUP DYNAMICS  
 HUMAN RELATIONS  
 MINORITIES  
 POLITICS  
 RACE FACTORS  
 RETIREMENT  
 SOCIAL ISOLATION  
 SOCIAL PSYCHIATRY  
 SYSTEMS ANALYSIS  
 URBAN PLANNING

**SOCKS**  
 GS CLOTHING  
 RT **SOCKS**  
 FABRICS  
 SHOES

**SOD**  
 RT CANOPIES (VEGETATION)  
 FARMLANDS  
 GRASSES  
 GRASSLANDS  
 LAND  
 PLOWING

**SODALITE**  
 RT CHEMICAL REACTIONS  
 PHOTOCHEMICAL REACTIONS  
 PHOTOCROMISM

**SODAR**  
 RT ACOUSTIC SCATTERING  
 ATMOSPHERIC TEMPERATURE  
 ∞ INSTRUMENTS  
 MEASURING INSTRUMENTS  
 METEOROLOGICAL INSTRUMENTS  
 METEOROLOGY  
 SOUND DETECTING AND RANGING  
 TEMPERATURE MEASUREMENT

**SODIUM**  
 GS CHEMICAL ELEMENTS  
 ALKALI METALS  
 SODIUM  
 LIQUID SODIUM  
 SODIUM ISOTOPES  
 SODIUM 22  
 SODIUM 24  
 SODIUM VAPOR  
 METALS  
 ALKALI METALS  
 SODIUM  
 LIQUID SODIUM  
 SODIUM ISOTOPES  
 SODIUM 22  
 SODIUM 24  
 SODIUM VAPOR  
 RT DAWSONITE  
 ELECTROLYTE METABOLISM  
 LIQUID METAL COOLED REACTORS

**SODIUM ALLOYS**  
 GS ALLOYS  
 SODIUM ALLOYS

**SODIUM AZIDES**  
 GS NITROGEN COMPOUNDS  
 AZIDES (INORGANIC)  
 SODIUM AZIDES  
 AZIDES (ORGANIC)  
 SODIUM AZIDES  
 SODIUM COMPOUNDS

**SODIUM AZIDES-(CONT.)**  
 SODIUM AZIDES  
 RT DETONATORS  
 EXPLOSIVES

**SODIUM BROMIDES**  
 GS HALOGEN COMPOUNDS  
 BROMINE COMPOUNDS  
 BROMIDES  
 SODIUM BROMIDES  
 HALIDES  
 BROMIDES  
 SODIUM BROMIDES  
 METAL HALIDES  
 ALKALI HALIDES  
 SODIUM BROMIDES  
 SODIUM COMPOUNDS  
 SODIUM BROMIDES

**SODIUM CARBONATES**  
 GS CARBON COMPOUNDS  
 CARBONATES  
 SODIUM CARBONATES  
 SODIUM COMPOUNDS  
 SODIUM CARBONATES  
 RT DAWSONITE

**SODIUM CHLORIDES**  
 GS HALOGEN COMPOUNDS  
 CHLORINE COMPOUNDS  
 CHLORIDES  
 SODIUM CHLORIDES  
 HALIDES  
 CHLORIDES  
 SODIUM CHLORIDES  
 METAL HALIDES  
 ALKALI HALIDES  
 SODIUM CHLORIDES  
 SODIUM COMPOUNDS  
 SODIUM CHLORIDES  
 RT MOLTEN SALTS  
 SALT BEDS  
 ∞ SALTS

**SODIUM CHLORODIFLUOROACETATES**  
 GS ACETATES  
 SODIUM CHLORODIFLUOROACETATES  
 ESTERS  
 SODIUM CHLORODIFLUOROACETATES

**SODIUM CHROMITES**  
 GS CHROMIUM COMPOUNDS  
 SODIUM CHROMITES  
 SODIUM COMPOUNDS  
 SODIUM CHROMITES

**SODIUM COMPOUNDS**  
 GS SODIUM COMPOUNDS  
 CRYOLITE  
 NEMBUTAL (TRADEMARK)  
 NEPHELINE  
 SODIUM AZIDES  
 SODIUM BROMIDES  
 SODIUM CARBONATES  
 SODIUM CHLORIDES  
 SODIUM CHROMITES  
 SODIUM FLUORIDES  
 SODIUM GALLATES  
 SODIUM HYDRIDES  
 SODIUM HYDROXIDES  
 SODIUM IODIDES  
 SODIUM NITRATES  
 SODIUM PEROXIDES  
 SODIUM SALICYLATES  
 SODIUM SILICATES  
 SPODUMENE  
 TALC  
 TOURMALINE  
 SODIUM SULFATES  
 SODIUM SULFITES  
 RT ∞ ALKALI METAL COMPOUNDS  
 BLOEDITE  
 ∞ CHEMICAL COMPOUNDS  
 ∞ METAL COMPOUNDS

**SODIUM COOLING**  
 SN (COOLING WITH SODIUM)  
 GS COOLING  
 SODIUM COOLING  
 RT COOLANTS  
 LIQUID COOLED REACTORS  
 LIQUID COOLING

**SODIUM FLUORIDES**  
 GS HALOGEN COMPOUNDS

**SODIUM FLUORIDES-(CONT.)**  
 FLUORINE COMPOUNDS  
 FLUORIDES  
 METAL FLUORIDES  
 SODIUM FLUORIDES  
 HALIDES  
 METAL HALIDES  
 ALKALI HALIDES  
 SODIUM FLUORIDES  
 SODIUM COMPOUNDS  
 SODIUM FLUORIDES

**SODIUM GALLATES**  
 GS GALLIUM COMPOUNDS  
 GALLATES  
 SODIUM GALLATES  
 SODIUM COMPOUNDS  
 SODIUM GALLATES

**SODIUM GRAPHITE REACTORS**  
 UF SGR (NUCLEAR REACTORS)  
 GS NUCLEAR REACTORS  
 LIQUID COOLED REACTORS  
 LIQUID METAL COOLED REACTORS  
 SODIUM GRAPHITE REACTORS  
 RT HALLAM NUCLEAR POWER FACILITY  
 NUCLEAR POWER REACTORS

**SODIUM HYDRIDES**  
 GS HYDROGEN COMPOUNDS  
 HYDRIDES  
 METAL HYDRIDES  
 SODIUM HYDRIDES  
 SODIUM COMPOUNDS  
 SODIUM HYDRIDES

**SODIUM HYDROXIDES**  
 GS BASES (CHEMICAL)  
 ALKALIES  
 SODIUM HYDROXIDES  
 HYDROXIDES  
 SODIUM HYDROXIDES  
 SODIUM COMPOUNDS  
 SODIUM HYDROXIDES

**SODIUM IODIDES**  
 GS HALOGEN COMPOUNDS  
 HALIDES  
 METAL HALIDES  
 ALKALI HALIDES  
 SODIUM IODIDES  
 IODINE COMPOUNDS  
 IODIDES  
 SODIUM IODIDES  
 SODIUM COMPOUNDS  
 SODIUM IODIDES

**SODIUM ISOTOPES**  
 GS CHEMICAL ELEMENTS  
 ALKALI METALS  
 SODIUM  
 SODIUM ISOTOPES  
 SODIUM 22  
 SODIUM 24  
 NUCLIDES  
 ISOTOPES  
 SODIUM ISOTOPES  
 SODIUM 22  
 SODIUM 24  
 METALS  
 ALKALI METALS  
 SODIUM  
 SODIUM ISOTOPES  
 SODIUM 22  
 SODIUM 24

**SODIUM NITRATES**  
 GS NITROGEN COMPOUNDS  
 NITRATES  
 INORGANIC NITRATES  
 SODIUM NITRATES  
 SODIUM COMPOUNDS  
 SODIUM NITRATES

**SODIUM PEROXIDES**  
 GS CHALCOGENIDES  
 OXIDES  
 ANHYDRIDES  
 PEROXIDES  
 SODIUM PEROXIDES  
 METAL OXIDES  
 SODIUM PEROXIDES  
 SODIUM COMPOUNDS  
 SODIUM PEROXIDES

## SOIL MAPPING

### SODIUM REACTOR EXPERIMENT

- UF SRE REACTOR
- GS NUCLEAR REACTORS
  - . LIQUID COOLED REACTORS
  - . LIQUID METAL COOLED REACTORS
  - . . . SODIUM REACTOR EXPERIMENT
  - . NUCLEAR RESEARCH AND TEST REACTORS
  - . . . SODIUM REACTOR EXPERIMENT

### SODIUM SALICYLATES

- GS ESTERS
  - . SODIUM SALICYLATES
  - . SALICYLATES
  - . . . SODIUM SALICYLATES
  - . SODIUM COMPOUNDS
  - . . . SODIUM SALICYLATES

### SODIUM SILICATES

- GS SILICON COMPOUNDS
  - . SILICATES
  - . . . SODIUM SILICATES
  - . . . SPODUMENE
  - . . . TALC
  - . . . TOURMALINE
  - . SODIUM COMPOUNDS
  - . . . SODIUM SILICATES
  - . . . SPODUMENE
  - . . . TALC
  - . . . TOURMALINE
- RT MINERALS

### SODIUM SULFATES

- GS SODIUM COMPOUNDS
  - . SODIUM SULFATES
  - . SULFUR COMPOUNDS
  - . SULFATES
  - . . . SODIUM SULFATES

### SODIUM SULFITES

- GS SODIUM COMPOUNDS
  - . SODIUM SULFITES
  - . SULFUR COMPOUNDS
  - . SULFITES
  - . . . SODIUM SULFITES

### SODIUM SULFUR BATTERIES

- GS ELECTRIC GENERATORS
  - . DIRECT POWER GENERATORS
  - . . . PRIMARY BATTERIES
  - . . . SODIUM SULFUR BATTERIES
  - . ELECTROCHEMICAL CELLS
  - . . . ELECTRIC BATTERIES
  - . . . PRIMARY BATTERIES
  - . . . SODIUM SULFUR BATTERIES
- RT ∞ ELECTRIC CELLS

### SODIUM VAPOR

- GS CHEMICAL ELEMENTS
  - . ALKALI METALS
  - . . . SODIUM
  - . . . SODIUM VAPOR
  - . METALS
  - . . . ALKALI METALS
  - . . . SODIUM
  - . . . SODIUM VAPOR
  - . METAL VAPORS
  - . . . SODIUM VAPOR
  - . . . SODIUM VAPOR
  - . . . SODIUM VAPOR
- RT MERCURY VAPOR

### SODIUM 22

- GS CHEMICAL ELEMENTS
  - . ALKALI METALS
  - . . . SODIUM
  - . . . SODIUM ISOTOPES
  - . . . SODIUM 22
  - . . . NUCLIDES
  - . . . ISOTOPES
  - . . . RADIOACTIVE ISOTOPES
  - . . . SODIUM 22
  - . . . SODIUM ISOTOPES
  - . . . SODIUM 22
  - . METALS
  - . . . ALKALI METALS
  - . . . SODIUM
  - . . . SODIUM ISOTOPES
  - . . . SODIUM 22

### SODIUM 24

- GS CHEMICAL ELEMENTS
  - . ALKALI METALS
  - . . . SODIUM

### SODIUM 24-(CONT.)

- . . . SODIUM ISOTOPES
- . . . SODIUM 24
- . . . NUCLIDES
- . . . ISOTOPES
- . . . RADIOACTIVE ISOTOPES
- . . . SODIUM 24
- . . . SODIUM ISOTOPES
- . . . SODIUM 24
- . METALS
- . . . ALKALI METALS
- . . . SODIUM
- . . . SODIUM ISOTOPES
- . . . SODIUM 24

### SO FAR

- USE SOUND FIXING AND RANGING

### SOFT LANDING

- SN (SPACECRAFT OR AIRCRAFT)
- UF SOFT RECOVERY
- GS LANDING
- RT . SOFT LANDING
- ∞ AIRCRAFT LANDING
- ∞ ASTRONAUTICS
- . CRASH LANDING
- . GLIDE LANDINGS
- . HARD LANDING
- . HORIZONTAL SPACECRAFT LANDING
- . LUNAR LANDING
- . MARS LANDING
- . PLANETARY LANDING
- . SPACECRAFT LANDING
- . SURVEYOR PROJECT
- . VIKING 75 ENTRY VEHICLE
- . WATER LANDING

### SOFT LANDING SPACECRAFT

- UF SLV (SOFT LANDING VEHICLES)
- GS . SOFT LANDING SPACECRAFT
- . AEROSPACE PLANES
- . . . HOTEL LAUNCH VEHICLE
- . . . X-30 VEHICLE
- . . . APOLLO SPACECRAFT
- . . . APOLLO LUNAR EXPERIMENT MODULE
- . . . ASTRO VEHICLE
- . . . GEMINI B SPACECRAFT
- . . . GEMINI SPACECRAFT
- . . . GEMINI (GT-1) SPACECRAFT
- . . . GEMINI 2 SPACECRAFT
- . . . JANUS SPACECRAFT
- . . . LANDING MODULES
- . . . LUNAR LANDING MODULES
- . . . LUNAR MODULE
- . . . APOLLO LUNAR EXPERIMENT MODULE
- . . . . . LSSM
- . . . . . LUNAR MODULE 5
- . . . . . LUNAR MODULE 7
- . . . MARS EXCURSION MODULE
- . . . MERCURY SPACECRAFT
- . . . AURORA 7
- . . . FAITH 7
- . . . FRIENDSHIP 7
- . . . SIGMA 7
- . . . SURVEYOR LUNAR PROBES
- . . . SURVEYOR 1 LUNAR PROBE
- . . . SURVEYOR 2 LUNAR PROBE
- . . . SURVEYOR 3 LUNAR PROBE
- . . . SURVEYOR 4 LUNAR PROBE
- . . . SURVEYOR 5 LUNAR PROBE
- . . . SURVEYOR 6 LUNAR PROBE
- . . . SURVEYOR 7 LUNAR PROBE
- . . . VOSKHOD MANNED SPACECRAFT
- . . . VOSKHOD 1 SPACECRAFT
- . . . VOSKHOD 2 SPACECRAFT
- . . . VOSTOK SPACECRAFT
- . . . VOSTOK 1 SPACECRAFT
- . . . VOSTOK 2 SPACECRAFT
- . . . VOSTOK 3 SPACECRAFT
- . . . VOSTOK 4 SPACECRAFT
- . . . VOSTOK 5 SPACECRAFT
- . . . VOSTOK 6 SPACECRAFT

- RT APOLLO PROJECT
- . FERRY SPACECRAFT
- . HOVERING ROCKET VEHICLES
- . LUNAR PROBES
- . REUSABLE SPACECRAFT
- . SPACE CAPSULES
- ∞ SPACECRAFT
- . SPACECRAFT LANDING
- . SURVEYOR PROJECT
- . X-20 AIRCRAFT

### SOFT RECOVERY

- USE SOFT LANDING

### SOFTENING

- SN (EXCLUDES WATER SOFTENING)
- GS . SOFTENING
- . . . WORK SOFTENING
- RT ANNEALING
- . DEIONIZATION
- . DEMINERALIZING
- . DIGESTING
- . DISSOLVING
- . HARDENING (MATERIALS)
- . ION EXCHANGING

### SOFTNESS

- RT DUCTILITY
- . ELASTIC PROPERTIES
- . FLEXIBILITY
- . HARDNESS
- . STIFFNESS

### SOFTWARE (COMPUTERS)

- USE COMPUTER PROGRAMS
- . COMPUTER SYSTEMS PROGRAMS

### SOFTWARE ENGINEERING

- GS . SOFTWARE ENGINEERING
- . . . COMPUTER PROGRAMMING
- . . . ASSEMBLER ROUTINES
- . . . LANGUAGE PROGRAMMING
- . . . LOGIC PROGRAMMING
- . . . MICROPROGRAMMING
- . . . MULTIPROGRAMMING
- . . . ON-LINE PROGRAMMING
- . . . PARALLEL PROGRAMMING
- . . . SYMBOLIC PROGRAMMING
- RT COMPUTER PROGRAMS
- . COMPUTER SYSTEMS DESIGN
- . COMPUTER SYSTEMS PROGRAMS
- . DATA BASES
- . SOFTWARE TOOLS
- . SYSTEMS ENGINEERING

### SOFTWARE TOOLS

- RT ARCHITECTURE (COMPUTERS)
- . COMPUTER PROGRAMMING
- . COMPUTER PROGRAMS
- . COMPUTER SYSTEMS DESIGN
- . COMPUTER SYSTEMS PROGRAMS
- . DATA BASE MANAGEMENT SYSTEMS
- . PROGRAM VERIFICATION (COMPUTERS)
- . SOFTWARE ENGINEERING

### SOI (SEMICONDUCTORS)

- UF SILICON-ON-INSULATOR
- GS SEMICONDUCTORS
- . ELECTRONIC EQUIPMENT
- . . . SOLID STATE DEVICES
- . . . SEMICONDUCTOR DEVICES
- . . . SOI (SEMICONDUCTORS)
- RT FIELD EFFECT TRANSISTORS
- . METAL OXIDE SEMICONDUCTORS
- . SILICON FILMS
- . SILICON JUNCTIONS
- . SILICON TRANSISTORS
- . SIS (SEMICONDUCTORS)
- . SOS (SEMICONDUCTORS)

### SOIL EROSION

- GS EROSION
- . . . SOIL EROSION
- RT ABRASION
- . ATMOSPHERIC EFFECTS
- . DETERIORATION
- . ENVIRONMENT EFFECTS
- . HYDROGEOLOGY
- . LANDSLIDES
- . OUTLIERS (LANDFORMS)
- . PENEPLAINS
- . RAIN EROSION
- . RAIN IMPACT DAMAGE
- . SOILS
- . WATER EROSION
- . WEATHERING
- . WIND EFFECTS

### SOIL MAPPING

- GS MAPPING
- . . . SOIL MAPPING
- RT GEOGRAPHIC APPLICATIONS PROGRAM
- . MAPS
- . PHOTOMAPPING
- . SOILS
- . SPOT (FRENCH SATELLITE)

## SOIL MECHANICS

### SOIL MAPPING-(CONT.)

SURVEYS  
TERRAIN ANALYSIS

### SOIL MECHANICS

RT CRUSTAL FRACTURES  
FRACTURE MECHANICS  
GEOTECHNICAL ENGINEERING  
GEOTECHNICAL FABRICS  
ROCK MECHANICS

### SOIL MOISTURE

GS MOISTURE  
. SOIL MOISTURE  
RT LYSIMETERS  
MOISTURE CONTENT  
PLANT STRESS  
SOILS  
VEGETATION GROWTH

### SOIL SCIENCE

UF PEDOLOGY  
RT AGRICULTURE  
CONSERVATION  
EROSION  
SOILS  
VEGETATION GROWTH

### SOILS

GS SOILS  
. ALLUVIUM  
. DIRT  
. GRAVELS  
. LATERITES  
. LUNAR SOIL  
. LUNAR DUST  
. MUD  
. PERMAFROST  
. SANDS  
. MONAZITE SANDS  
. TAR SANDS  
RT ANDESITE  
ANORTHOSITE  
ATAXITE  
BARREN LAND  
BASALT  
BEDROCK  
BENTONITE  
BOREHOLES  
BRECCIA  
CARBONACEOUS ROCKS  
CLAYS  
COAL  
CONSERVATION  
CULTIVATION  
DELTAS  
DIORITE  
DUNITE  
EARTH RESOURCES  
ECLOGITE  
ENSTATITE  
FORMATIONS  
GEOLOGY  
GNEISS  
GRANITE  
IGNEOUS ROCKS  
ILLITE  
KAOLINITE  
LAND  
LANDSLIDES  
LAVA  
LIMESTONE  
LYSIMETERS  
MAGMA  
MINERALS  
MOLDAVITE  
MUSKEGS  
OBSIDIAN  
OLIVINE  
PERIDOTITE  
PLANTING  
POLYURETHANE FOAM  
POROUS MATERIALS  
PUMICE  
PYROXENES  
QUARTZ  
ROCKS  
SANDSTONES  
SEDIMENTARY ROCKS  
SERPENTINE  
SHALES  
SOIL EROSION  
SOIL MAPPING  
SOIL MOISTURE  
SOIL SCIENCE

### SOILS-(CONT.)

STRIP MINING  
SYENITE  
TRACHYTE  
TUNNELING (EXCAVATION)  
VADOSE WATER  
VEGETATION GROWTH

### SOL-GEL PROCESSES

RT CERAMIC NUCLEAR FUELS  
NUCLEAR FUELS  
∞ PROCESSES

### SOLAR ACTIVITY

GS STELLAR ACTIVITY  
. SOLAR ACTIVITY  
. FACULAE  
. SOLAR PROMINENCES  
. SOLAR STORMS  
. SPICULES  
. STELLAR FLARES  
. SOLAR FLARES  
. SUNSPOTS  
RT ∞ ACTIVITY  
AURORAS  
∞ DISTURBANCES  
INTERNATIONAL QUIET SUN YEAR  
IRIS SATELLITES  
MAGNETIC DISTURBANCES  
PROMINENCES  
RADIO AURORAS  
SOLAR INTERIOR  
SOLAR PLANETARY INTERACTIONS  
STARSPOTS  
SUN  
SUNSPOT CYCLE

### SOLAR ACTIVITY EFFECTS

RT BLACKOUT (PROPAGATION)  
∞ EFFECTS  
GALACTIC COSMIC RAYS  
HELIOSPHERE  
MAGNETIC DISTURBANCES  
SECULAR VARIATIONS  
SOLAR OSCILLATIONS  
SOLAR PLANETARY INTERACTIONS  
SUDDEN IONOSPHERIC DISTURBANCES  
SUDDEN STORM COMMENCEMENTS  
SUN

### SOLAR ARRAYS

UF ROLLUP SOLAR ARRAYS  
GS ARRAYS  
. SOLAR ARRAYS  
RT . SOLAR BLANKETS  
ELECTROSTATIC BONDING  
PAYLOAD DELIVERY (STS)  
PHOTOVOLTAIC CONVERSION  
POWER MODULES (STS)  
SATELLITE POWER TRANSMISSION (TO EARTH)  
SELF SHADOWING  
SOLAR ATRIUMS  
SPACE STATION POWER SUPPLIES  
SUN

### SOLAR ATMOSPHERE

GS ENVIRONMENTS  
. EXTRATERRESTRIAL ENVIRONMENTS  
. STELLAR ATMOSPHERES  
. SOLAR ATMOSPHERE  
RT ∞ ATMOSPHERES  
CHROMOSPHERE  
M REGION  
PHOTOSPHERE  
SOLAR OSCILLATIONS  
SPICULES  
STELLAR STRUCTURE  
SUN

### SOLAR ATRIUMS

RT SOLAR ARRAYS  
SOLAR HEATING  
SOLAR REFLECTORS  
SPACE HEATING (BUILDINGS)  
SUN

### SOLAR AUXILIARY POWER UNITS

GS AUXILIARY POWER SOURCES  
. SOLAR AUXILIARY POWER UNITS  
. ASTEC SOLAR TURBOELECTRIC GENERATOR  
. SUNFLOWER POWER SYSTEM  
ELECTRIC GENERATORS  
. SOLAR GENERATORS

### SOLAR AUXILIARY POWER UNITS-(CONT.)

. . . SOLAR AUXILIARY POWER UNITS  
. . . ASTEC SOLAR TURBOELECTRIC GENERATOR  
. . . SUNFLOWER POWER SYSTEM  
RT SUN

### SOLAR AZIMUTH

USE AZIMUTH  
SOLAR POSITION

### SOLAR BACKSCATTER UV SPECTROMETER

GS MEASURING INSTRUMENTS  
. SPECTROMETERS  
. SOLAR BACKSCATTER UV SPECTROMETER  
RT IRRADIANCE  
SATELLITE-BORNE INSTRUMENTS

### SOLAR BLANKETS

GS ARRAYS  
. SOLAR ARRAYS  
. SOLAR BLANKETS  
ELECTRIC GENERATORS  
. DIRECT POWER GENERATORS  
. THERMIONIC CONVERTERS  
. SOLAR BLANKETS  
RT ∞ BLANKETS  
∞ CONVERTERS  
SUN

### SOLAR CELL CALIBRATION FACILITY

UF SCCF  
GS PAYLOADS  
. SPACELAB PAYLOADS  
. SOLAR CELL CALIBRATION FACILITY  
RT CALIBRATING  
∞ FACILITIES  
SPACE TRANSPORTATION SYSTEM  
FLIGHTS

### SOLAR CELLS

UF SILICON SOLAR CELLS  
WRAPAROUND CONTACT SOLAR CELLS  
GS ELECTRIC GENERATORS  
. DIRECT POWER GENERATORS  
. PHOTOELECTRIC GENERATORS  
. PHOTOVOLTAIC CELLS  
. SOLAR CELLS  
. . . . VERTICAL JUNCTION SOLAR CELLS  
. SOLAR GENERATORS  
. SOLAR CELLS  
. . . VERTICAL JUNCTION SOLAR CELLS  
ELECTRONIC EQUIPMENT  
. SOLID STATE DEVICES  
. SEMICONDUCTOR DEVICES  
. . . PHOTOVOLTAIC CELLS  
. SOLAR CELLS  
. . . . VERTICAL JUNCTION SOLAR CELLS  
PHOTOELECTRIC CELLS  
. PHOTOVOLTAIC CELLS  
. SOLAR CELLS  
. . . VERTICAL JUNCTION SOLAR CELLS  
RT AMORPHOUS SILICON  
ANTIREFLECTION COATINGS  
CARRIER LIFETIME  
CARRIER TRANSPORT (SOLID STATE)  
∞ CELLS  
DIFFUSION LENGTH  
∞ ELECTRIC CELLS  
ELECTROSTATIC BONDING  
FLOAT ZONES  
FUEL CELLS  
HETEROJUNCTIONS  
HOMOJUNCTIONS  
OPEN CIRCUIT VOLTAGE  
P-I-N JUNCTIONS  
PHOTODIODES  
PHOTOVOLTAIC CONVERSION  
QUANTUM EFFICIENCY  
SATELLITE POWER TRANSMISSION (TO EARTH)  
SATELLITE SOLAR ENERGY CONVERSION  
SATELLITE SOLAR POWER STATIONS  
SHORT CIRCUIT CURRENTS  
SIS (SEMICONDUCTORS)  
SOLAR POWERED AIRCRAFT  
SPACE STATION POWER SUPPLIES  
SPECTROPHOTOVOLTAICS  
SUN  
THERMIONIC CONVERTERS  
THERMOELECTRIC GENERATORS

## SOLAR FLARES

### SOLAR COLLECTORS

UF SOLAR RECEIVERS  
GS ACCUMULATORS  
  . SOLAR COLLECTORS  
  REFLECTORS  
  . SOLAR REFLECTORS  
  . SOLAR COLLECTORS  
RT CONCENTRATORS  
  MIRRORS  
  PHOTOTHERMAL CONVERSION  
  SELECTIVE SURFACES  
  SOLAR DYNAMIC POWER SYSTEMS  
  SPACE COOLING (BUILDINGS)  
  SPECTROPHOTOVOLTAICS  
  SUN  
  SUNFLOWER POWER SYSTEM

### SOLAR COMPANION STAR

USE NEMESIS (STAR)

### SOLAR COMPASSES

GS MEASURING INSTRUMENTS  
  . INDICATING INSTRUMENTS  
  . COMPASSES  
  . SOLAR COMPASSES  
  NAVIGATION AIDS  
  . NAVIGATION INSTRUMENTS  
  . COMPASSES  
  . SOLAR COMPASSES  
RT AIR NAVIGATION  
  AIR TRAFFIC CONTROL  
  AIRCRAFT SAFETY  
  AIRPORT BEACONS  
  ALL-WEATHER AIR NAVIGATION  
  APPROACH INDICATORS  
  AUTOMATIC FLIGHT CONTROL  
  AUTOMATIC PILOTS  
  BEACONS  
  DECCA NAVIGATION  
  DISPLAY DEVICES  
  DISTANCE MEASURING EQUIPMENT  
  FLIGHT CONTROL  
  FLIGHT INSTRUMENTS  
  FLIGHT PATHS  
  GYROCOMPASSES  
  HELIPORTS  
  HOMING DEVICES  
  LANDING AIDS  
  LORAN  
  MAGNETIC COMPASSES  
  OMNIDIRECTIONAL RADIO RANGES  
  POSITION INDICATORS  
  RADAR BEACONS  
  RADIO BEACONS  
  RADIO NAVIGATION  
  SELF CALIBRATING OMNIRANGE  
  SHORAN  
  SUN  
  TACAN  
  VHF OMNIRANGE NAVIGATION  
  WEATHER

### SOLAR CONSTANT

GS CONSTANTS  
  . SOLAR CONSTANT  
  RATES (PER TIME)  
  . FLUX DENSITY  
  . RADIANT FLUX DENSITY  
  . IRRADIANCE  
  . SOLAR CONSTANT  
  . SOLAR FLUX DENSITY  
  . SOLAR CONSTANT  
RT ILLUMINANCE  
  PARTICLE FLUX DENSITY  
  SUN

### SOLAR CONVERTERS

USE SOLAR GENERATORS

### SOLAR COOLING

GS COOLING  
  . SOLAR COOLING  
RT COOLING SYSTEMS  
  DOMESTIC ENERGY  
  ENERGY TECHNOLOGY  
  RESIDENTIAL ENERGY  
  SPACE COOLING (BUILDINGS)  
  SUN

### SOLAR CORONA

UF SOLAR NEBULA  
GS CORONAS  
  . STELLAR CORONAS  
  . SOLAR CORONA  
  . CORONAL HOLES

### SOLAR CORONA-(CONT.)

RT . . . CORONAL LOOPS  
  CHROMOSPHERE  
  ELECTRIC CORONA  
  MAGNETIC CLOUDS  
  NEBULAE  
  STELLAR STRUCTURE  
  SUN

### SOLAR CORPUSCULAR RADIATION

UF SOLAR STREAMS  
GS EXTRATERRESTRIAL RADIATION  
  . SOLAR RADIATION  
  . SOLAR CORPUSCULAR RADIATION  
  . . . SOLAR ELECTRONS  
  . . . SOLAR NEUTRONS  
  . . . SOLAR NEUTRONS  
  . . . SOLAR PROTONS  
  PARTICLES  
  . CORPUSCULAR RADIATION  
  . SOLAR CORPUSCULAR RADIATION  
  . . . SOLAR ELECTRONS  
  . . . SOLAR NEUTRONS  
  . . . SOLAR PROTONS  
RT M REGION  
  . RADIATION  
  . . . SOLAR PLANETARY INTERACTIONS  
  SUDDEN STORM COMMENCEMENTS  
  SUN

### SOLAR COSMIC RAYS

GS EXTRATERRESTRIAL RADIATION  
  . PRIMARY COSMIC RAYS  
  . SOLAR COSMIC RAYS  
  . SOLAR RADIATION  
  . SOLAR COSMIC RAYS  
  IONIZING RADIATION  
  . COSMIC RAYS  
  . . . PRIMARY COSMIC RAYS  
  . . . SOLAR COSMIC RAYS  
  PARTICLES  
  . CORPUSCULAR RADIATION  
  . . . PRIMARY COSMIC RAYS  
  . . . SOLAR COSMIC RAYS  
RT ELECTRON ACCELERATION  
  ENERGETIC PARTICLES  
  GRIST (TELESCOPE)  
  SUN

### SOLAR CYCLES

GS CYCLES  
  . SOLAR CYCLES  
  . . . SUNSPOT CYCLE  
RT INTERNATIONAL QUIET SUN YEAR  
  IRIS SATELLITES  
  SECULAR VARIATIONS  
  SUN  
  SUNSPOTS  
  TWENTY-SEVEN DAY VARIATION

### SOLAR DIAMETER

RT ASTROMETRY  
  . SCIENCE  
  SOLAR ECLIPSES

### SOLAR DISK

USE SUN

### SOLAR DYNAMIC POWER SYSTEMS

GS ELECTRIC GENERATORS  
  . SOLAR GENERATORS  
  . SOLAR DYNAMIC POWER SYSTEMS  
  ELECTRIC POWER SUPPLIES  
  . SOLAR DYNAMIC POWER SYSTEMS  
RT BRAYTON CYCLE  
  HEAT STORAGE  
  PHOTOTHERMAL CONVERSION  
  RANKINE CYCLE  
  SOLAR COLLECTORS  
  SOLAR ENERGY CONVERSION  
  SOLAR THERMAL ELECTRIC POWER  
  PLANTS  
  SPACE STATION POWER SUPPLIES  
  SPACECRAFT POWER SUPPLIES  
  STIRLING CYCLE

### SOLAR DYNAMICS

USE HELIOSEISMOLOGY

### SOLAR ECLIPSES

GS ECLIPSES  
  . SOLAR ECLIPSES  
  OCCULTATION  
  . LUNAR OCCULTATION  
  . SOLAR ECLIPSES

### SOLAR ECLIPSES-(CONT.)

RT LUNAR SHADOW  
  SOLAR DIAMETER  
  SUN

### SOLAR ELECTRIC PROPULSION

GS PROPULSION  
  . ELECTRIC PROPULSION  
  . SOLAR ELECTRIC PROPULSION  
  . LOW THRUST PROPULSION  
  . SOLAR PROPULSION  
  . SOLAR ELECTRIC PROPULSION  
  . SPACECRAFT PROPULSION  
  . SOLAR PROPULSION  
  . SOLAR ELECTRIC PROPULSION  
RT SOLAR POWERED AIRCRAFT  
  SOLAR THERMAL PROPULSION  
  SPACE STATION PROPULSION  
  SUN

### SOLAR ELECTRONS

GS EXTRATERRESTRIAL RADIATION  
  . SOLAR RADIATION  
  . SOLAR CORPUSCULAR RADIATION  
  . . . SOLAR ELECTRONS  
  PARTICLES  
  . CORPUSCULAR RADIATION  
  . . . SOLAR CORPUSCULAR RADIATION  
  . . . SOLAR ELECTRONS  
RT SUN

### SOLAR ENERGY

RT CIRCUMSOLAR TELESCOPES  
  CLEAN ENERGY  
  . ENERGY  
  ENERGY ABSORPTION FILMS  
  IRIS SATELLITES  
  PHASE CHANGE MATERIALS  
  SOLAR THERMAL ELECTRIC POWER  
  PLANTS  
  SOLETTAS  
  SUN

### SOLAR ENERGY ABSORBERS

RT ABSORBERS (MATERIALS)  
  ELECTROMAGNETIC ABSORPTION  
  PHOTOTHERMAL CONVERSION  
  SELECTIVE SURFACES  
  SUN  
  TROMBE WALLS

### SOLAR ENERGY CONVERSION

GS ENERGY CONVERSION  
  . SOLAR ENERGY CONVERSION  
  . . . PHOTOTHERMAL CONVERSION  
  . . . PHOTOVOLTAIC CONVERSION  
  . . . SOLAR TOTAL ENERGY SYSTEMS  
RT COGENERATION  
  CONVERSION  
  . ENERGY TECHNOLOGY  
  HETEROJUNCTION DEVICES  
  HYDROGEN PRODUCTION  
  PHASE CHANGE MATERIALS  
  PHOTOELECTRIC GENERATORS  
  PHOTOELECTROCHEMICAL DEVICES  
  SOLAR DYNAMIC POWER SYSTEMS  
  SOLAR-PUMPED LASERS  
  SPACE COOLING (BUILDINGS)  
  SUN

### SOLAR FACULAE

USE FACULAE

### SOLAR FLARES

GS STELLAR ACTIVITY  
  . SOLAR ACTIVITY  
  . . . STELLAR FLARES  
  . . . SOLAR FLARES  
RT CORONAL LOOPS  
  FLARE STARS  
  . FLARES  
  . FLASH  
  FORBUSH DECREASES  
  FORCE-FREE MAGNETIC FIELDS  
  IRIS SATELLITES  
  MAGNETIC DISTURBANCES  
  SOLAR MAXIMUM MISSION  
  SOLAR NEUTRONS  
  SUDDEN STORM COMMENCEMENTS  
  SUN  
  SUNSPOTS

## SOLAR FLUX

### SOLAR FLUX

- SN (LIMITED TO ENERGY OR PARTICLES  
EMITTED FROM THE SUN PER UNIT  
TIME--SEE SOLAR FLUX DENSITY FOR  
ENERGY OR PARTICLE EMISSION OR  
DETECTION RATE PER UNIT AREA)
- GS RATES (PER TIME)
  - . FLUX (RATE)
  - . . . **SOLAR FLUX**
- RT HEAT FLUX  
LIMB BRIGHTENING  
SUN

### SOLAR FLUX DENSITY

- SN (LIMITED TO SOLAR ENERGY OR  
PARTICLE EMISSION OR DETECTION  
RATE UNIT AREA--SEE SOLAR FLUX  
FOR EMISSION RATE PER UNIT TIME)
- GS RATES (PER TIME)
  - . FLUX DENSITY
  - . . RADIANT FLUX DENSITY
  - . . . **SOLAR FLUX DENSITY**
  - . . . . SOLAR CONSTANT
- RT ELECTRON FLUX DENSITY  
HELIOS SATELLITES  
ILLUMINANCE  
IRRADIANCE  
LIMB BRIGHTENING  
LUMINANCE  
LUMINOUS INTENSITY  
PARTICLE FLUX DENSITY  
PROTON FLUX DENSITY  
RADIANCE  
RADIANCY  
RADIATION PRESSURE  
SUN

### SOLAR FURNACES

- GS HEATING EQUIPMENT
  - . FURNACES
  - . . . **SOLAR FURNACES**
- RT FORBUSH DECREASES  
MELTING  
SUN  
VACUUM FURNACES

### SOLAR GENERATORS

- UF SOLAR CONVERTERS  
SOLAR POWER GENERATION  
SOLAR POWER SOURCES
- GS ELECTRIC GENERATORS
  - . **SOLAR GENERATORS**
  - . . SOLAR AUXILIARY POWER UNITS
  - . . . ASTEC SOLAR TURBOELECTRIC  
GENERATOR
  - . . . SUNFLOWER POWER SYSTEM
  - . . . SOLAR CELLS
  - . . . VERTICAL JUNCTION SOLAR CELLS
  - . . . SOLAR DYNAMIC POWER SYSTEMS
- RT DIRECT POWER GENERATORS  
FUEL CELLS  
PADDLES  
PHOTOELECTRIC CELLS  
PHOTOELECTRIC GENERATORS  
PHOTOVOLTAIC CELLS
- ∞ POWER SUPPLIES  
RANKINE CYCLE  
SOLAR SEA POWER PLANTS  
SUN  
THERMOELECTRIC GENERATORS  
TURBOGENERATORS

### SOLAR GRANULATION

- GS PHOTOSPHERE
  - . **SOLAR GRANULATION**
- RT BENARD CELLS  
BRIGHTNESS DISTRIBUTION  
CONVECTION CURRENTS  
LIMB BRIGHTENING  
SUN  
SURFACE LAYERS  
TEMPERATURE EFFECTS

### SOLAR GRAVITATION

- UF EJECTION
- GS GRAVITATION
  - . STELLAR GRAVITATION
  - . . **SOLAR GRAVITATION**
- RT SUN

### SOLAR HEATING

- GS HEATING
  - . **SOLAR HEATING**
- RT BIOCONVERSION  
HYDROTHERMAL SYSTEMS

### SOLAR HEATING-(CONT.)

- INSULATION
- PHASE CHANGE MATERIALS
- RADIANT HEATING
- RESIDENTIAL ENERGY
- SOLAR ATRIUMS
- SPACE HEATING (BUILDINGS)
- SUN
- SUNLIGHT
- TROMBE WALLS

### SOLAR HOUSES

- RT BUILDINGS  
DOMESTIC ENERGY  
ENERGY TECHNOLOGY  
HEAT STORAGE  
RESIDENTIAL ENERGY  
SPACE HEATING (BUILDINGS)
- SUN
- TROMBE WALLS

### SOLAR INSTRUMENTS

- GS **SOLAR INSTRUMENTS**
  - . SPECTROHELIOGRAPHS
- RT CELESCOPES  
FILTERGRAMS  
OPTICAL MEASURING INSTRUMENTS  
RADIATION MEASURING INSTRUMENTS  
SOLAR OPTICAL TELESCOPE  
SPECTROMETERS  
SUN  
TELESCOPES

### SOLAR INTERIOR

- GS STELLAR INTERIORS
  - . **SOLAR INTERIOR**
- RT HELIOSEISMOLOGY  
SOLAR ACTIVITY  
SOLAR PHYSICS  
STELLAR CORES  
STELLAR STRUCTURE  
SUN

### SOLAR LASERS

- USE SOLAR-PUMPED LASERS

### SOLAR LIMB

- RT CORONAL LOOPS  
LIMB BRIGHTENING  
LIMB DARKENING
- ∞ LIMBS  
PLANETARY LIMB  
SUN

### SOLAR LONGITUDE

- GS LONGITUDE
  - . **SOLAR LONGITUDE**
- RT ASTRONOMICAL COORDINATES  
CELESTIAL REFERENCE SYSTEMS  
SUN

### SOLAR MAGNETIC FIELD

- UF HELIOMAGNETISM
- GS MAGNETIC FIELDS
  - . STELLAR MAGNETIC FIELDS
  - . . **SOLAR MAGNETIC FIELD**
- RT ELECTROMAGNETIC FIELDS  
FORCE-FREE MAGNETIC FIELDS  
INTERPLANETARY MAGNETIC FIELDS  
MAGNETIC FIELD RECONNECTION  
SUN

### SOLAR MAXIMUM MISSION

- GS SPACE MISSIONS
  - . **SOLAR MAXIMUM MISSION**
  - . . SOLAR MAXIMUM MISSION-A
- RT ∞ FLARES  
FLUX DENSITY  
GAMMA RAY SPECTROMETERS
- ∞ MISSIONS  
MULTIMISSION MODULAR SPACECRAFT  
POLARIMETERS  
PROGRAMS  
SOLAR FLARES  
SPACE PROGRAMS  
SUN  
ULTRAVIOLET SPECTROMETERS  
ULYSSES MISSION

### SOLAR MAXIMUM MISSION-A

- UF SMM-A
- GS SPACE MISSIONS
  - . SOLAR MAXIMUM MISSION
  - . . **SOLAR MAXIMUM MISSION-A**

### SOLAR MAXIMUM MISSION-A-(CONT.)

- RT ∞ MISSIONS  
SPACE EXPLORATION
- ∞ SPACECRAFT  
SUN

### SOLAR MESOSPHERE EXPLORER

- GS ARTIFICIAL SATELLITES
  - . SCIENTIFIC SATELLITES
  - . . EXPLORER SATELLITES
  - . . . **SOLAR MESOSPHERE EXPLORER**
- RT ATMOSPHERIC COMPOSITION  
MESOSPHERE  
OZONE  
SUN

### SOLAR NEBULA

- USE SOLAR CORONA

### SOLAR NEIGHBORHOOD

- RT ASTRONOMY  
CELESTIAL BODIES  
LOCAL GROUP (ASTRONOMY)  
MILKY WAY GALAXY  
NEMESIS (STAR)  
SOLAR SYSTEM  
STAR CLUSTERS  
STARS  
SUN

### SOLAR NEUTRINOS

- GS EXTRATERRESTRIAL RADIATION
  - . SOLAR RADIATION
  - . . SOLAR CORPUSCULAR RADIATION
  - . . . **SOLAR NEUTRINOS**
- PARTICLES
  - . ELEMENTARY PARTICLES
  - . . FERMIONS
  - . . . LEPTONS
  - . . . . NEUTRINOS
  - . . . . . **SOLAR NEUTRINOS**
- RT ASTRONOMICAL MODELS  
ASTROPHYSICS  
NUCLEAR REACTIONS  
STELLAR MODELS  
SUN

### SOLAR NEUTRONS

- GS EXTRATERRESTRIAL RADIATION
  - . SOLAR RADIATION
  - . . SOLAR CORPUSCULAR RADIATION
  - . . . **SOLAR NEUTRONS**
- PARTICLES
  - . CORPUSCULAR RADIATION
  - . . SOLAR CORPUSCULAR RADIATION
  - . . . **SOLAR NEUTRONS**
  - . . . ELEMENTARY PARTICLES
  - . . . FERMIONS
  - . . . . NEUTRONS
  - . . . . . **SOLAR NEUTRONS**
  - . . . . . NEUTRAL PARTICLES
  - . . . . . NEUTRONS
  - . . . . . **SOLAR NEUTRONS**
- RT NEUTRON FLUX DENSITY  
SOLAR FLARES

### SOLAR NOISE

- USE SOLAR RADIO EMISSION

### SOLAR OBLATENESS

- RT OBLATE SPHEROIDS  
SUN

### SOLAR OBSERVATORIES

- GS OBSERVATORIES
  - . **SOLAR OBSERVATORIES**
  - . . OSO
  - . . . AOSO
  - . . . OSO-C
  - . . . OSO-1
  - . . . OSO-2
  - . . . OSO-3
  - . . . OSO-4
  - . . . OSO-5
  - . . . OSO-6
  - . . . OSO-7
  - . . . OSO-8
  - . . . PINHOLE OCCULTER FACILITY
- RT CORONAGRAPHS  
SUN

### SOLAR OPTICAL TELESCOPE

- UF SOT
- GS TELESCOPES

## SOLAR RADIO BURSTS

### SOLAR OPTICAL TELESCOPE-(CONT.)

- . SPACEBORNE TELESCOPES
- . . **SOLAR OPTICAL TELESCOPE**
- RT . SOLAR INSTRUMENTS
- . SOLAR PHYSICS
- SOLAR ORBITS**
- SN (RESTRICTED TO ORBITS AROUND THE SUN)
- UF HELIOCENTRIC ORBITS
- PLANETARY MOTION
- GS ORBITS
- . **SOLAR ORBITS**
- . . APHELIONS
- . . PERIHELIONS
- RT . CIRCULAR ORBITS
- ∞ EARTH MOTION
- ECLIPTIC
- ELLIPTICAL ORBITS
- HEOS SATELLITES
- INTERPLANETARY TRAJECTORIES
- ∞ MOTION
- ORBITAL RESONANCES (CELESTIAL MECHANICS)
- PROTOPLANETS
- SPACECRAFT ORBITS
- SUN
- TRANSFER ORBITS

### SOLAR OSCILLATIONS

- GS OSCILLATIONS
- . STELLAR OSCILLATIONS
- . . **SOLAR OSCILLATIONS**
- STELLAR MOTIONS
- . STELLAR OSCILLATIONS
- . . **SOLAR OSCILLATIONS**
- RT . ASTRONOMICAL MODELS
- ATMOSPHERIC MODELS
- CATAclysmic VARIABLES
- SOLAR ACTIVITY EFFECTS
- SOLAR ATMOSPHERE
- STELLAR MODELS
- SUN
- VARIABLE STARS

### SOLAR PARALLAX

- GS PARALLAX
- . **SOLAR PARALLAX**
- RT . ASTRONOMY
- STELLAR PARALLAX
- SUN

### SOLAR PHYSICS

- GS ASTROPHYSICS
- . STELLAR PHYSICS
- . . **SOLAR PHYSICS**
- RT . FILTERGRAMS
- HELIOSEISMOLOGY
- INTERNATIONAL QUIET SUN YEAR
- PHOTOSPHERE
- ∞ PHYSICS
- PLASMAS (PHYSICS)
- ∞ SCIENCE
- SOLAR INTERIOR
- SOLAR OPTICAL TELESCOPE
- SPARTAN SATELLITES
- SUN

### SOLAR PLANETARY INTERACTIONS

- GS . **SOLAR PLANETARY INTERACTIONS**
- . SOLAR TERRESTRIAL INTERACTIONS
- RT . EARTH MAGNETOSPHERE
- MAGNETIC DISTURBANCES
- MAGNETOSHEATH
- PLANETARY ATMOSPHERES
- PLANETARY MAGNETIC FIELDS
- PLANETARY MAGNETOSPHERES
- PLASMA INTERACTIONS
- SOLAR ACTIVITY
- SOLAR ACTIVITY EFFECTS
- SOLAR CORPUSCULAR RADIATION
- SOLAR WIND
- SOLAR WIND VELOCITY

### SOLAR PLASMA (RADIATION)

- USE . SOLAR WIND

### SOLAR PONDS (HEAT STORAGE)

- RT . ELECTRIC GENERATORS
- ENERGY CONVERSION
- PONDS
- RESERVOIRS
- SUN

### SOLAR POSITION

- UF . SOLAR AZIMUTH
- GS . POSITION (LOCATION)
- . **SOLAR POSITION**
- RT . ASTROLABES
- CELESTIAL NAVIGATION
- EQUINOXES
- SEASONS
- SOLSTICES
- SUN
- ZENITH

### SOLAR POWER GENERATION

- USE . SOLAR GENERATORS

### SOLAR POWER SATELLITES

- GS . ARTIFICIAL SATELLITES
- . **SOLAR POWER SATELLITES**
- RT . LARGE SPACE STRUCTURES
- POWER TRANSMISSION (LASERS)
- SATELLITE POWER TRANSMISSION (TO EARTH)
- SUN

### SOLAR POWER SOURCES

- USE . SOLAR GENERATORS

### SOLAR POWERED AIRCRAFT

- RT ∞ AIRCRAFT
- SOLAR CELLS
- SOLAR ELECTRIC PROPULSION
- SOLAR PROPULSION
- SUN

### SOLAR PROBES

- GS . UNMANNED SPACECRAFT
- . SPACE PROBES
- . . **SOLAR PROBES**
- . . . HELIOS A
- . . . HELIOS B
- . . . HELIOS 1
- . . . HELIOS 2
- . . . STARPROBE SPACECRAFT
- . . . SUNBLAZER SPACE PROBE
- RT . HELIOS PROJECT
- PIONEER SPACE PROBES
- SUN
- ULYSSES MISSION

### SOLAR PROMINENCES

- UF . FILAMENTS (SOLAR PHYSICS)
- GS . PROMINENCES
- . **SOLAR PROMINENCES**
- STELLAR ACTIVITY
- . SOLAR ACTIVITY
- . . **SOLAR PROMINENCES**
- RT . CHROMOSPHERE
- SUN

### SOLAR PROPULSION

- GS . PROPULSION
- . LOW THRUST PROPULSION
- . . **SOLAR PROPULSION**
- . . . SOLAR ELECTRIC PROPULSION
- . . . SOLAR THERMAL PROPULSION
- . . . SPACECRAFT PROPULSION
- . . . **SOLAR PROPULSION**
- . . . . SOLAR ELECTRIC PROPULSION
- . . . . SOLAR THERMAL PROPULSION
- RT . SOLAR POWERED AIRCRAFT
- SUN

### SOLAR PROTONS

- GS . EXTRATERRESTRIAL RADIATION
- . SOLAR RADIATION
- . . SOLAR CORPUSCULAR RADIATION
- . . . **SOLAR PROTONS**
- PARTICLES
- . CHARGED PARTICLES
- . . PROTONS
- . . . **SOLAR PROTONS**
- . . . CORPUSCULAR RADIATION
- . . . SOLAR CORPUSCULAR RADIATION
- . . . **SOLAR PROTONS**
- . . . ELEMENTARY PARTICLES
- . . . FERMIONS
- . . . PROTONS
- . . . . **SOLAR PROTONS**
- RT . BARYONS
- SUN

### SOLAR RADAR ECHOES

- GS . ECHOES
- . RADAR ECHOES

### SOLAR RADAR ECHOES-(CONT.)

- RT . **SOLAR RADAR ECHOES**
- SUN

### SOLAR RADIATION

- GS . EXTRATERRESTRIAL RADIATION
- . **SOLAR RADIATION**
- . . CIRCUMSOLAR RADIATION
- . . SOLAR CORPUSCULAR RADIATION
- . . . SOLAR ELECTRONS
- . . . SOLAR NEUTRINOS
- . . . SOLAR NEUTRONS
- . . . SOLAR PROTONS
- . . . SOLAR COSMIC RAYS
- . . . SOLAR RADIO EMISSION
- . . . SOLAR RADIO BURSTS
- . . . . TYPE 2 BURSTS
- . . . . TYPE 3 BURSTS
- . . . . TYPE 4 BURSTS
- . . . . TYPE 5 BURSTS
- . . . SOLAR WIND
- . . . SOLAR X-RAYS
- . . . SUNLIGHT
- RT . AEROSPACE ENVIRONMENTS
- ALBEDO
- ATMOSPHERIC REFRACTION
- CIRCUMSOLAR TELESCOPES
- CLIMATOLOGY
- CLOUD COVER
- CORPUSCULAR RADIATION
- COSMIC NOISE
- COSMIC RAYS
- DAYGLOW
- ELECTROMAGNETIC RADIATION
- EXTREME ULTRAVIOLET RADIATION
- GEGENSCHIEIN
- INFRARED RADIATION
- INSOLATION
- IONIZING RADIATION
- IRIS SATELLITES
- LIGHT (VISIBLE RADIATION)
- LONG WAVE RADIATION
- LONGITUDINAL WAVES
- ∞ RADIATION
- RADIATION BELTS
- RADIATION PRESSURE
- RADIATIVE TRANSFER
- RADIO WAVES
- RECTENNAS
- SKY BRIGHTNESS
- SOLAR-PUMPED LASERS
- STELLAR RADIATION
- SUN
- THERMAL RADIATION
- ULTRAVIOLET RADIATION
- ZODIACAL LIGHT

### SOLAR RADIATION SHIELDING

- GS . PROTECTION
- . RADIATION PROTECTION
- . . RADIATION SHIELDING
- . . . **SOLAR RADIATION SHIELDING**
- SHIELDING
- . RADIATION SHIELDING
- . . **SOLAR RADIATION SHIELDING**
- RT ∞ RADIATION
- SATELLITE TEMPERATURE
- SPACECRAFT SHIELDING
- SUN

### SOLAR RADIATION 1 SATELLITE

- GS . ARTIFICIAL SATELLITES
- . **SOLAR RADIATION 1 SATELLITE**
- RT . GALACTIC RADIATION
- ∞ RADIATION
- SUN

### SOLAR RADIATION 3 SATELLITE

- GS . ARTIFICIAL SATELLITES
- . **SOLAR RADIATION 3 SATELLITE**
- RT . GALACTIC RADIATION
- ∞ RADIATION
- SUN

### SOLAR RADIO BURSTS

- GS . BURSTS
- . RADIO BURSTS
- . . **SOLAR RADIO BURSTS**
- . . . TYPE 2 BURSTS
- . . . TYPE 3 BURSTS
- . . . TYPE 4 BURSTS
- . . . TYPE 5 BURSTS
- . . . ELECTROMAGNETIC RADIATION
- . . . RADIO WAVES
- . . . EXTRATERRESTRIAL RADIO WAVES

## SOLAR RADIO EMISSION

### SOLAR RADIO BURSTS-(CONT.)

- ... RADIO BURSTS
- ... **SOLAR RADIO BURSTS**
- ... TYPE 2 BURSTS
- ... TYPE 3 BURSTS
- ... TYPE 4 BURSTS
- ... TYPE 5 BURSTS
- ... SOLAR RADIO EMISSION
- ... **SOLAR RADIO BURSTS**
- ... TYPE 2 BURSTS
- ... TYPE 3 BURSTS
- ... TYPE 4 BURSTS
- ... TYPE 5 BURSTS
- ... RADIO EMISSION
- ... RADIO BURSTS
- ... **SOLAR RADIO BURSTS**
- ... TYPE 2 BURSTS
- ... TYPE 3 BURSTS
- ... TYPE 4 BURSTS
- ... TYPE 5 BURSTS
- ... SOLAR RADIO EMISSION
- ... **SOLAR RADIO BURSTS**
- ... TYPE 2 BURSTS
- ... TYPE 3 BURSTS
- ... TYPE 4 BURSTS
- ... TYPE 5 BURSTS

#### EMISSION

- ... RADIO EMISSION
- ... RADIO BURSTS
- ... **SOLAR RADIO BURSTS**
- ... TYPE 2 BURSTS
- ... TYPE 3 BURSTS
- ... TYPE 4 BURSTS
- ... TYPE 5 BURSTS
- ... SOLAR RADIO EMISSION
- ... **SOLAR RADIO BURSTS**
- ... TYPE 2 BURSTS
- ... TYPE 3 BURSTS
- ... TYPE 4 BURSTS
- ... TYPE 5 BURSTS
- ... SOLAR RADIO EMISSION
- ... **SOLAR RADIO BURSTS**
- ... TYPE 2 BURSTS
- ... TYPE 3 BURSTS
- ... TYPE 4 BURSTS
- ... TYPE 5 BURSTS
- ... EXTRATERRESTRIAL RADIATION
- ... EXTRATERRESTRIAL RADIO WAVES
- ... RADIO BURSTS
- ... **SOLAR RADIO BURSTS**
- ... TYPE 2 BURSTS
- ... TYPE 3 BURSTS
- ... TYPE 4 BURSTS
- ... TYPE 5 BURSTS
- ... SOLAR RADIO EMISSION
- ... **SOLAR RADIO BURSTS**
- ... TYPE 2 BURSTS
- ... TYPE 3 BURSTS
- ... TYPE 4 BURSTS
- ... TYPE 5 BURSTS
- ... SOLAR RADIATION
- ... SOLAR RADIO EMISSION
- ... **SOLAR RADIO BURSTS**
- ... TYPE 2 BURSTS
- ... TYPE 3 BURSTS
- ... TYPE 4 BURSTS
- ... TYPE 5 BURSTS

RT SUN

### SOLAR RADIO EMISSION

- UF SOLAR NOISE
- GS SOLAR RADIO WAVES
- ... ELECTROMAGNETIC RADIATION
- ... RADIO WAVES
- ... EXTRATERRESTRIAL RADIO WAVES
- ... **SOLAR RADIO EMISSION**
- ... SOLAR RADIO BURSTS
- ... TYPE 2 BURSTS
- ... TYPE 3 BURSTS
- ... TYPE 4 BURSTS
- ... TYPE 5 BURSTS
- ... RADIO EMISSION
- ... **SOLAR RADIO EMISSION**
- ... SOLAR RADIO BURSTS
- ... TYPE 2 BURSTS
- ... TYPE 3 BURSTS
- ... TYPE 4 BURSTS
- ... TYPE 5 BURSTS
- ... EMISSION
- ... RADIO EMISSION
- ... **SOLAR RADIO EMISSION**
- ... SOLAR RADIO BURSTS
- ... TYPE 2 BURSTS
- ... TYPE 3 BURSTS
- ... TYPE 4 BURSTS
- ... TYPE 5 BURSTS
- ... EXTRATERRESTRIAL RADIATION
- ... EXTRATERRESTRIAL RADIO WAVES
- ... **SOLAR RADIO EMISSION**
- ... SOLAR RADIO BURSTS
- ... TYPE 2 BURSTS
- ... TYPE 3 BURSTS

### SOLAR RADIO EMISSION-(CONT.)

- ... TYPE 4 BURSTS
- ... TYPE 5 BURSTS
- ... SOLAR RADIATION
- ... **SOLAR RADIO EMISSION**
- ... SOLAR RADIO BURSTS
- ... TYPE 2 BURSTS
- ... TYPE 3 BURSTS
- ... TYPE 4 BURSTS
- ... TYPE 5 BURSTS
- RT CORONAL HOLES
- COSMIC NOISE
- DECIMETER WAVES
- ELECTROMAGNETIC NOISE
- MILLIMETER WAVES
- RADIO BURSTS

### SOLAR RADIO WAVES

USE SOLAR RADIO EMISSION

### SOLAR RECEIVERS

USE SOLAR COLLECTORS

### SOLAR REFLECTORS

- GS REFLECTORS
- ... **SOLAR REFLECTORS**
- ... SOLAR COLLECTORS
- ... SOLETTAS
- RT FOCUSING
- HEAT SHIELDING
- HELIOSTATS
- MIRRORS
- PARABOLIC REFLECTORS
- PARABOLOID MIRRORS
- PHOTOTHERMAL CONVERSION
- RADIANT FLUX DENSITY
- SOLAR ATRIUMS
- SPACECRAFT RADIATORS
- SUN

### SOLAR ROTATION

- UF CARRINGTON ROTATION
- GS GYRATION
- ... ROTATION
- ... STELLAR ROTATION
- ... **SOLAR ROTATION**
- ... STELLAR MOTIONS
- ... STELLAR ROTATION
- ... **SOLAR ROTATION**
- RT SUN
- TWENTY-SEVEN DAY VARIATION

### SOLAR SAILS

- GS SAILS
- ... **SOLAR SAILS**
- RT PROPULSION
- SPACE FLIGHT
- SPACECRAFT PROPULSION
- SUN

### SOLAR SEA POWER PLANTS

- GS ELECTRIC GENERATORS
- ... DIRECT POWER GENERATORS
- ... THERMOELECTRIC GENERATORS
- ... **SOLAR SEA POWER PLANTS**
- RT ELECTRIC POWER PLANTS
- ENERGY CONVERSION
- ∞ GENERATORS
- OCEAN TEMPERATURE
- OCEAN THERMAL ENERGY CONVERSION
- ∞ POWER PLANTS
- SOLAR GENERATORS
- SUN

### SOLAR SEISMOLOGY

USE HELIOSEISMOLOGY

### SOLAR SELECTIVE COATINGS

USE SELECTIVE SURFACES

### SOLAR SENSORS

- UF SUN SENSORS
- RT ATTITUDE CONTROL
- GUIDANCE SENSORS
- IRIS SATELLITES
- NAVIGATION AIDS
- NAVIGATION INSTRUMENTS
- STAR TRACKERS
- SUN
- TRACKING (POSITION)

### SOLAR SIMULATION

- GS SIMULATION
- ... **SOLAR SIMULATION**

### SOLAR SIMULATION-(CONT.)

- RT SPACE ENVIRONMENT SIMULATION
- SUN
- THERMAL SIMULATION

### SOLAR SIMULATORS

- GS SIMULATORS
- ... ENVIRONMENT SIMULATORS
- ... **SOLAR SIMULATORS**
- RT SPACE SIMULATORS
- SUN
- TEST FACILITIES

### SOLAR SPECTRA

- GS SPECTRA
- ... RADIATION SPECTRA
- ... ELECTROMAGNETIC SPECTRA
- ... STELLAR SPECTRA
- ... **SOLAR SPECTRA**
- RT ABSORPTION SPECTRA
- ASTRONOMICAL SPECTROSCOPY
- CONTINUOUS SPECTRA
- CORONAS
- D LINES
- EMISSION SPECTRA
- FILTERGRAMS
- FRAUNHOFER LINES
- H ALPHA LINE
- H BETA LINE
- H GAMMA LINE
- H LINES
- INFRARED SPECTRA
- LINE SPECTRA
- LYMAN SPECTRA
- MOLECULAR SPECTRA
- OXYGEN SPECTRA
- SUN
- ULTRAVIOLET SPECTRA
- VISIBLE SPECTRUM
- X RAY SPECTRA

### SOLAR SPECTROMETERS

- GS MEASURING INSTRUMENTS
- ... RADIATION MEASURING INSTRUMENTS
- ... ACTINOMETERS
- ... **SOLAR SPECTROMETERS**
- ... SPECTROMETERS
- ... **SOLAR SPECTROMETERS**
- RT ABSORPTION SPECTRA
- EMISSION SPECTRA
- FILTER WHEEL INFRARED
- SPECTROMETERS
- INFRARED SPECTROMETERS
- SPECTROHELIOGRAPHS
- SUN
- ULTRAVIOLET SPECTROMETERS

### SOLAR STORMS

- GS STELLAR ACTIVITY
- ... SOLAR ACTIVITY
- ... **SOLAR STORMS**
- STORMS
- ... **SOLAR STORMS**
- RT FORBUSH DECREASES
- IONOSPHERIC STORMS
- MAGNETIC STORMS
- NOISE STORMS
- SUN

### SOLAR STREAMS

USE SOLAR CORPUSCULAR RADIATION

### SOLAR SYSTEM

- GS CELESTIAL BODIES
- ... **SOLAR SYSTEM**
- PLANETARY SYSTEMS
- ... **SOLAR SYSTEM**
- RT AMALTHEA
- AMOR ASTEROID
- APOLLO ASTEROIDS
- AREND-ROLAND COMET
- ASTEROID BELTS
- ASTEROID CAPTURE
- ASTEROIDS
- CELESTIAL MECHANICS
- CHARON
- CHIRON
- COMET HEADS
- COMET NUCLEI
- COMET TAILS
- COMETS
- EARTH-MOON SYSTEM
- GAS GIANT PLANETS
- GRIGG-SKJELLERUP COMET
- HALLEY'S COMET

**SOLAR SYSTEM-(CONT.)**

IRAS-ARAKI-ALCOCK COMET  
JUPITER SATELLITES  
KOHOUTEK COMET  
MERCURY SURFACE  
METEORIDS  
NATURAL SATELLITES  
OORT CLOUD  
PLANETARY GEOLOGY  
PLANETS  
PROTOPLANETS  
RHEA (ASTRONOMY)  
SATURN RINGS  
SOLAR NEIGHBORHOOD  
SUN  
∞ SYSTEMS  
TEMPEL 2 COMET  
TERRESTRIAL PLANETS  
TORO ASTEROID  
VENUS SURFACE  
VESTA ASTEROID  
VOYAGER 1977 MISSION  
WEST COMET

**SOLAR TEMPERATURE**

GS TEMPERATURE  
RT . SOLAR TEMPERATURE  
SUN

**SOLAR TERRESTRIAL INTERACTIONS**

GS SOLAR PLANETARY INTERACTIONS  
RT . SOLAR TERRESTRIAL INTERACTIONS  
CORPUSCULAR RADIATION  
EARTH MAGNETOSPHERE  
∞ FLARES  
∞ INTERACTIONS  
INTERNATIONAL  
GEOSPHERE-BIOSPHERE PROGRAM  
MAGNETIC DISTURBANCES  
MAGNETIC STORMS  
MAGNETOSHEATH  
STORMS  
SUN  
SUNSPOTS  
WEATHER

**SOLAR THERMAL ELECTRIC POWER PLANTS**

GS ELECTRIC POWER PLANTS  
RT . SOLAR THERMAL ELECTRIC POWER PLANTS  
PHOTOTHERMAL CONVERSION  
∞ POWER PLANTS  
SOLAR DYNAMIC POWER SYSTEMS  
SOLAR ENERGY  
THERMAL ENERGY

**SOLAR THERMAL PROPULSION**

GS PROPULSION  
LOW THRUST PROPULSION  
RT . SOLAR THERMAL PROPULSION  
SPACECRAFT PROPULSION  
SOLAR PROPULSION  
RT . SOLAR THERMAL PROPULSION  
PROPULSION SYSTEM PERFORMANCE  
SOLAR ELECTRIC PROPULSION  
SUN

**SOLAR TOTAL ENERGY SYSTEMS**

GS ENERGY CONVERSION  
SOLAR ENERGY CONVERSION  
RT . SOLAR TOTAL ENERGY SYSTEMS  
TOTAL ENERGY SYSTEMS  
SOLAR TOTAL ENERGY SYSTEMS  
CONVERSION  
DIRECT POWER GENERATORS  
∞ ENERGY  
SUN  
∞ SYSTEMS

**SOLAR VELOCITY**

GS RATES (PER TIME)  
RT . SOLAR VELOCITY  
VELOCITY  
SUN

**SOLAR WIND**

UF SOLAR PLASMA (RADIATION)  
GS EXTRATERRESTRIAL RADIATION  
SOLAR RADIATION  
RT . SOLAR WIND  
PARTICLES  
CHARGED PARTICLES  
ENERGETIC PARTICLES

**SOLAR WIND-(CONT.)**

PLASMAS (PHYSICS)  
SPACE PLASMAS  
RT . SOLAR WIND  
AMPTE (SATELLITES)  
CHAPMAN-FERRARO PROBLEM  
COMET TAILS  
CORONAL HOLES  
COSMIC PLASMA  
GALACTIC COSMIC RAYS  
GRIGG-SKJELLERUP COMET  
HELIOSPHERE  
HYDROGEN PLASMA  
INTERPLANETARY GAS  
INTERPLANETARY MEDIUM  
M REGION  
MAGNETIC CLOUDS  
MAGNETOPAUSE  
MAGNETOSHEATH  
PLASMAPAUSE  
∞ RADIATION  
RADIATION PRESSURE  
SOLAR PLANETARY INTERACTIONS  
STELLAR WINDS  
SUN

**SOLAR WIND VELOCITY**

GS RATES (PER TIME)  
FLOW VELOCITY  
RT . SOLAR WIND VELOCITY  
WIND VELOCITY  
SOLAR WIND VELOCITY  
VELOCITY  
FLOW VELOCITY  
SOLAR WIND VELOCITY  
WIND VELOCITY  
SOLAR WIND VELOCITY  
RT ALPHA PARTICLES  
EARTH MAGNETOSPHERE  
MAGNETIC DISTURBANCES  
MAGNETOHYDRODYNAMIC FLOW  
SOLAR PLANETARY INTERACTIONS  
STELLAR WINDS  
SUN  
VELOCITY MEASUREMENT

**SOLAR X-RAYS**

GS ELECTROMAGNETIC RADIATION  
X RAYS  
RT . SOLAR X-RAYS  
EXTRATERRESTRIAL RADIATION  
SOLAR RADIATION  
SOLAR X-RAYS  
IONIZING RADIATION  
X RAYS  
SOLAR X-RAYS  
RT CORONAL HOLES  
SUN

**SOLAR-PUMPED LASERS**

UF SOLAR LASERS  
GS STIMULATED EMISSION DEVICES  
LASERS  
RT . SOLAR-PUMPED LASERS  
LASER PUMPING  
OPTICAL PUMPING  
SOLAR ENERGY CONVERSION  
SOLAR RADIATION

**SOLDERED JOINTS**

GS JOINTS (JUNCTIONS)  
METAL JOINTS  
RT . SOLDERED JOINTS  
BEAM LEADS  
BUTT JOINTS  
LAP JOINTS  
SOLDERING

**SOLDERING**

GS SOLDERING  
ULTRASONIC SOLDERING  
RT BONDING  
BRAZING  
FLUXES  
HEAT AFFECTED ZONE  
∞ JOINING  
LASER WELDING  
LOW TEMPERATURE BRAZING  
METAL BONDING  
METAL-METAL BONDING  
SEALING  
SOLDERED JOINTS  
SOLDERS  
WELDING

**SOLDERS**

GS ALLOYS  
RT . SOLDERS  
LEAD ALLOYS  
SEALERS  
SOLDERING  
TIN ALLOYS  
ZINC ALLOYS

**SOLENOID VALVES**

GS VALVES  
RT . SOLENOID VALVES  
AUTOMATIC CONTROL VALVES  
ELECTRIC CONTROL  
∞ ELECTRIC EQUIPMENT  
ELECTRIC RELAYS  
ELECTRIC SWITCHES  
HYDRAULIC CONTROL  
OFF-ON CONTROL  
SOLENOIDS

**SOLENOIDS**

SN (EXCLUDES METEOROLOGICAL SOLENOIDS)  
RT ACTUATORS  
ELECTRIC RELAYS  
ELECTROMAGNETS  
MAGNET COILS  
SOLENOID VALVES  
TOROIDAL PLASMAS

**SOLETTAS**

GS MIRRORS  
SOLETTAS  
REFLECTORS  
SOLAR REFLECTORS  
RT . SOLETTAS  
∞ PLATFORMS  
SOLAR ENERGY  
∞ SPACECRAFT

**SOLID ARGON**

USE SOLIDIFIED GASES

**SOLID CRYOGEN COOLING**

GS COOLING  
RT . SOLID CRYOGEN COOLING  
CRYOGENIC FLUIDS  
CRYOGENICS  
LIQUEFIED GASES

**SOLID CRYOGENS**

GS GASES  
SOLIDIFIED GASES  
RT . SOLID CRYOGENS  
SOLID NITROGEN  
SOLIDS  
SOLIDIFIED GASES  
SOLID CRYOGENS  
SOLID NITROGEN  
RT COOLING SYSTEMS  
CRYOGENIC EQUIPMENT  
CRYOGENICS  
LIQUID NITROGEN

**SOLID ELECTRODES**

GS ELECTRODES  
RT . SOLID ELECTRODES  
TRANSCONDUCTANCE

**SOLID ELECTROLYTES**

GS CONDUCTORS  
ELECTROLYTES  
RT . SOLID ELECTROLYTES

**SOLID LUBRICANTS**

SN (EXCLUDES SEMISOLIDS SUCH AS GREASES)  
GS LUBRICANTS  
RT . SOLID LUBRICANTS  
BINDERS (MATERIALS)  
GAS LUBRICANTS  
GRAPHITE  
SELF LUBRICATING MATERIALS

**SOLID MECHANICS**

RT CONTINUUM MECHANICS  
FINITE ELEMENT METHOD  
MECHANICAL PROPERTIES  
∞ MECHANICS (PHYSICS)  
SCIENCE  
SOLIDS  
STRUCTURAL ANALYSIS



## SOLID NITROGEN

### SOLID NITROGEN

- GS CHEMICAL ELEMENTS
  - . NITROGEN
  - . . . **SOLID NITROGEN**
- GASES
  - . NITROGEN
  - . . . **SOLID NITROGEN**
  - . . . SOLIDIFIED GASES
  - . . . SOLID CRYOGENS
  - . . . **SOLID NITROGEN**
- SOLIDS
  - . SOLIDIFIED GASES
  - . . . SOLID CRYOGENS
  - . . . **SOLID NITROGEN**
- RT CRYOGENICS
- REFRIGERANTS

### SOLID PHASES

- RT EUTECTICS
- GAS-METAL INTERACTIONS
- GAS-SOLID INTERFACES
- LIQUID PHASES
- LIQUID-SOLID INTERFACES
- LIQUIDUS
- METALLIC HYDROGEN
- PHASE DIAGRAMS
- ∞ PHASES
- SOLIDIFIED GASES
- SOLIDUS
- SYNTECTIC ALLOYS

### SOLID PROPELLANT COMBUSTION

- GS COMBUSTION
  - . PROPELLANT COMBUSTION
  - . . . **SOLID PROPELLANT COMBUSTION**
  - . . . SOLID PROPELLANT IGNITION
- RT BURNING RATE
- COMBUSTION STABILITY
- EROSIVE BURNING
- FUEL COMBUSTION
- HEAT GENERATION
- METAL COMBUSTION
- PROPELLANT CHEMISTRY

### SOLID PROPELLANT IGNITION

- GS COMBUSTION
  - . PROPELLANT COMBUSTION
  - . . . SOLID PROPELLANT COMBUSTION
  - . . . **SOLID PROPELLANT IGNITION**
- IGNITION
- . **SOLID PROPELLANT IGNITION**
- RT HYBRID PROPELLANTS
- HYPERGOLIC ROCKET PROPELLANTS
- IGNITERS
- IGNITION TEMPERATURE
- INHIBITORS
- METAL COMBUSTION
- PYROPHORIC MATERIALS
- SQUIBS

### SOLID PROPELLANT ROCKET ENGINES

- GS ENGINES
  - . ROCKET ENGINES
  - . . . **SOLID PROPELLANT ROCKET ENGINES**
  - . . . . . ALGOL ENGINE
  - . . . . . APOGEE BOOST MOTORS
  - . . . . . ASROC ENGINE
  - . . . . . HERCULES ENGINE
  - . . . . . M-46 ENGINE
  - . . . . . M-55 ENGINE
  - . . . . . M-56 ENGINE
  - . . . . . M-57 ENGINE
  - . . . . . NIKE BOOSTER ROCKET ENGINES
  - . . . . . P-1 ENGINE
  - . . . . . SL-3 ROCKET ENGINE
  - . . . . . SPACE SHUTTLE BOOSTERS
  - . . . . . SYNCOM APOGEE ENGINES
  - . . . . . TU-121 ENGINE
  - . . . . . TX-77 ENGINE
  - . . . . . TX-354 ENGINE
  - . . . . . X-248 ENGINE
  - . . . . . X-254 ENGINE
  - . . . . . X-258 ENGINES
  - . . . . . X-258-B1 ENGINE
  - . . . . . X-259 ENGINE
  - . . . . . XM-33 ENGINE
- RT AIR SLEW MISSILES
- ANTARES ROCKET VEHICLE
- ARCAS ROCKET VEHICLES
- ARGO ROCKET VEHICLES
- ASTROBEE ROCKET VEHICLES
- ASTROBEE 1500 ROCKET VEHICLE
- ATHENA ROCKET VEHICLE
- BE-3 ENGINE

### SOLID PROPELLANT ROCKET ENGINES-(CONT.)

- BERENICE ROCKET VEHICLE
- BLACK BRANT SOUNDING ROCKETS
- BLACK BRANT 1 SOUNDING ROCKET
- BLACK BRANT 2 SOUNDING ROCKET
- BLACK BRANT 3 SOUNDING ROCKET
- BLACK BRANT 4 SOUNDING ROCKET
- BLACK BRANT 5 SOUNDING ROCKET
- BLUE GOOSE MISSILE
- BLUE SCOUT ROCKET VEHICLE
- BOMARC A MISSILE
- BOMARC B MISSILE
- BOOSTER ROCKET ENGINES
- BURNING RATE
- BURNOUT
- CAJUN ROCKET VEHICLE
- DIAMANT LAUNCH VEHICLE
- DUCTED ROCKET ENGINES
- EXOS SOUNDING ROCKET
- FALCON MISSILE
- FOLDING FIN AIRCRAFT ROCKET VEHICLE
- GENIE ROCKET VEHICLE
- HAWK MISSILE
- HONEST JOHN ROCKET VEHICLE
- HYBRID PROPELLANT ROCKET ENGINES
- INTEGRAL ROCKET RAMJETS
- INTERNAL COMBUSTION ENGINES
- JAGUAR ROCKET VEHICLE
- JATO ENGINES
- JAVELIN ROCKET VEHICLE
- JUNO LAUNCH VEHICLES
- JUNO 1 LAUNCH VEHICLE
- JUNO 2 LAUNCH VEHICLE
- JUPITER C ROCKET VEHICLE
- KAPPA ROCKET VEHICLES
- KAPPA 8 ROCKET VEHICLE
- KAPPA 9 ROCKET VEHICLE
- LAMBDA ROCKET VEHICLES
- LIQUID PROPELLANT ROCKET ENGINES
- LITTLE JOE 2 LAUNCH VEHICLE
- LITTLE JOHN ROCKET VEHICLE
- LOKI ROCKET VEHICLE
- MACE MISSILES
- MATRA MISSILE
- MAULER MISSILE
- METEOR 1 ROCKET VEHICLE
- MINUTEMAN ICBM
- NIKE-AJAX MISSILE
- NIKE-APACHE ROCKET VEHICLE
- NIKE-CAJUN ROCKET VEHICLE
- NIKE-HERCULES MISSILE
- NIKE-JAVELIN ROCKET VEHICLE
- NIKE-TOMAHAWK ROCKET VEHICLE
- NIKE-ZEUS MISSILE
- PERSHING MISSILE
- PHOENIX SOUNDING ROCKET
- POLARIS MISSILES
- RAM B LAUNCH VEHICLE
- REDEYE MISSILE
- REGULUS MISSILE
- RESTARTABLE ROCKET ENGINES
- RETROROCKET ENGINES
- RUBIS ROCKET VEHICLE
- SCOUT LAUNCH VEHICLE
- SERGEANT MISSILES
- SHRIKE MISSILE
- SKUA ROCKET VEHICLES
- SKYBOLT MISSILE
- SKYLARK ROCKET VEHICLE
- SPACE SHUTTLE UPPER STAGE D
- SPARROW MISSILES
- SPARROW 2 MISSILE
- SPRINT MISSILE
- SS-11 MISSILE
- SUNBLAZER SPACE PROBE
- SUSTAINER ROCKET ENGINES
- TALOS MISSILE
- TARTAR MISSILE
- TERRIER MISSILE
- THOR ABLE ROCKET VEHICLE
- THOR DELTA LAUNCH VEHICLE
- THOR LAUNCH VEHICLES
- TITAN LAUNCH VEHICLES
- TRAILBLAZER 1 REENTRY VEHICLE
- TRAILBLAZER 2 REENTRY VEHICLE
- ULLAGE ROCKET ENGINES
- VANGUARD 2 LAUNCH VEHICLE
- VERNIER ENGINES
- WASP SOUNDING ROCKET
- X-17 REENTRY VEHICLE
- ZUNI ROCKET VEHICLE

### SOLID PROPELLANTS

- GS PROPELLANTS
- . **SOLID PROPELLANTS**

### SOLID PROPELLANTS-(CONT.)

- . . . CASE BONDED PROPELLANTS
- . . . COMPOSITE PROPELLANTS
- . . . NITRAMINE PROPELLANTS
- . . . PLASTIC PROPELLANTS
- . . . SOLID ROCKET PROPELLANTS
- . . . . . DOUBLE BASE ROCKET PROPELLANTS
- . . . . . HMX
- . . . . . HTPB PROPELLANTS
- . . . . . METAL PROPELLANTS
- RT AIRCRAFT FUELS
- CHEMICAL FUELS
- COLLOIDAL PROPELLANTS
- GELLED PROPELLANTS
- HIGH TEMPERATURE PROPELLANTS
- HYBRID PROPELLANTS
- INHIBITORS
- METAL FUELS
- NITROGUANIDINE
- PLASTICIZERS
- PROPELLANT BINDERS
- PROPELLANT GRAINS
- RDX
- ROCKET PROPELLANTS
- STORABLE PROPELLANTS

### SOLID ROCKET BINDERS

- GS ADDITIVES
  - . PROPELLANT ADDITIVES
  - . . . PROPELLANT BINDERS
  - . . . . . **SOLID ROCKET BINDERS**
- BINDERS (MATERIALS)
- . PROPELLANT BINDERS
- . . . **SOLID ROCKET BINDERS**
- RT PLASTICIZERS

### SOLID ROCKET BOOSTERS (SPACE SHUTTLE)

- USE SPACE SHUTTLE BOOSTERS

### SOLID ROCKET PROPELLANTS

- GS PROPELLANTS
  - . ROCKET PROPELLANTS
  - . . . **SOLID ROCKET PROPELLANTS**
  - . . . . . DOUBLE BASE ROCKET PROPELLANTS
  - . . . . . METAL PROPELLANTS
  - . . . . . SOLID PROPELLANTS
  - . . . . . **SOLID ROCKET PROPELLANTS**
  - . . . . . DOUBLE BASE ROCKET PROPELLANTS
- . . . HMX
- . . . HTPB PROPELLANTS
- . . . METAL PROPELLANTS
- RT AMMONIUM PERCHLORATES
- BURNING RATE
- CASE BONDED PROPELLANTS
- COMPOSITE PROPELLANTS
- DOMINO PROPELLANTS
- GELLED ROCKET PROPELLANTS
- HYBRID PROPELLANTS
- LIQUID ROCKET PROPELLANTS
- MONOPROPELLANTS
- POTASSIUM PERCHLORATES
- PROPELLANT GRAINS
- RDX
- ROCKET ENGINES
- SLURRY PROPELLANTS

### SOLID ROTATION

- USE ROTATING BODIES

### SOLID SOLUTIONS

- GS MIXTURES
  - . SOLUTIONS
  - . . . **SOLID SOLUTIONS**
- RT AGING (METALLURGY)
- ALLOYING
- ALLOYS
- LIQUID PHASES
- LIQUIDUS
- MELTING POINTS
- ORDER-DISORDER TRANSFORMATIONS
- PHASE DIAGRAMS
- PRECIPITATION HARDENING
- SOLIDS
- SUPERSATURATION
- TERNARY SYSTEMS

### SOLID STATE

- RT CRYSTALLIZATION
- ENERGY GAPS (SOLID STATE)
- MELTING POINTS
- METALLIC HYDROGEN
- SOLIDS

**SOLID STATE DEVICES**

GS ELECTRONIC EQUIPMENT  
 . **SOLID STATE DEVICES**  
 . . CRYOTRONS  
 . . CRYSTAL RECTIFIERS  
 . . METAL-NITRIDE-OXIDE-SEMICONDUCTORS  
 . . MULTISPECTRAL LINEAR ARRAYS  
 . . SEMICONDUCTOR DEVICES  
 . . AVALANCHE DIODES  
 . . CRYOSAR  
 . . BARRITT DIODES  
 . . CHARGE TRANSFER DEVICES  
 . . BUCKET BRIGADE DEVICES  
 . . CHARGE COUPLED DEVICES  
 . . CHARGE INJECTION DEVICES  
 . . GERMANIUM DIODES  
 . . HETEROJUNCTION DEVICES  
 . . HIGH ELECTRON MOBILITY TRANSISTORS  
 . . . . MODFETS  
 . . . . JUNCTION DIODES  
 . . . . MIM DIODES  
 . . . . STEP RECOVERY DIODES  
 . . . . LIGHT EMITTING DIODES  
 . . . . METAL OXIDE SEMICONDUCTORS  
 . . . . CMOS  
 . . . . ITO (SEMICONDUCTORS)  
 . . . . SOS (SEMICONDUCTORS)  
 . . . . MIM (SEMICONDUCTORS)  
 . . . . MIS (SEMICONDUCTORS)  
 . . . . MSM (SEMICONDUCTORS)  
 . . . . NDM SEMICONDUCTOR DEVICES  
 . . . . NEURISTORS  
 . . . . PARAMETRIC DIODES  
 . . . . PHOTODIODES  
 . . . . PHOTOVOLTAIC CELLS  
 . . . . SOLAR CELLS  
 . . . . VERTICAL JUNCTION SOLAR CELLS  
 . . . . SCHOTTKY DIODES  
 . . . . SEMICONDUCTOR LASERS  
 . . . . GALLIUM ARSENIDE LASERS  
 . . . . SOI (SEMICONDUCTORS)  
 . . . . THERMISTORS  
 . . . . THYRISTORS  
 . . . . SILICON CONTROLLED RECTIFIERS  
 . . . . TRANSFERRED ELECTRON DEVICES  
 . . . . TRANSISTOR AMPLIFIERS  
 . . . . TRANSISTORS  
 . . . . BIPOLAR TRANSISTORS  
 . . . . FIELD EFFECT TRANSISTORS  
 . . . . CHARGE FLOW DEVICES  
 . . . . JFET  
 . . . . MODFETS  
 . . . . HIGH ELECTRON MOBILITY TRANSISTORS  
 . . . . . MODFETS  
 . . . . JUNCTION TRANSISTORS  
 . . . . . JFET  
 . . . . . PHOTOTRANSISTORS  
 . . . . . SILICON TRANSISTORS  
 . . . . . SOS (SEMICONDUCTORS)  
 . . . . TRAPATT DEVICES  
 . . . . VARACTOR DIODES  
 . . . . VARISTORS  
 . . . . SIS (SEMICONDUCTORS)  
 . . . . SOLID STATE LASERS  
 . . . . GALLIUM ARSENIDE LASERS  
 . . . . RUBY LASERS  
 . . . . YAG LASERS  
 RT AMPLIFIERS  
 BUBBLE TECHNIQUE  
 CAPACITORS  
 CIRCUITS  
 ∞ DEVICES  
 ELECTRIC BRIDGES  
 LASER CAVITIES  
 LASERS  
 MBM JUNCTIONS  
 MINIATURE ELECTRONIC EQUIPMENT  
 OSCILLATORS  
 PHOTOMASKS  
 RECTIFIERS  
 RESISTORS  
 SIGNAL GENERATORS  
 SUPERCONDUCTORS  
 THIN FILMS  
 THRESHOLD VOLTAGE  
 TRANSFORMERS  
 WAFERS

**SOLID STATE LASERS**

GS ELECTRONIC EQUIPMENT  
 . SOLID STATE DEVICES

**SOLID STATE LASERS-(CONT.)**

. . **SOLID STATE LASERS**  
 . . . GALLIUM ARSENIDE LASERS  
 . . . RUBY LASERS  
 . . . YAG LASERS  
 STIMULATED EMISSION DEVICES  
 . LASERS  
 . . **SOLID STATE LASERS**  
 . . . GALLIUM ARSENIDE LASERS  
 . . . RUBY LASERS  
 . . . YAG LASERS  
 RT CONTINUOUS WAVE LASERS  
 DISTRIBUTED FEEDBACK LASERS  
 INFRARED LASERS  
 LASER CAVITIES  
 Q SWITCHED LASERS  
 SEMICONDUCTOR LASERS  
 ∞ **SOLID STATE PHYSICS**  
 SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT CONDENSED MATTER PHYSICS  
 CRYSTALLOGRAPHY  
 ELECTRICAL PROPERTIES  
 ELECTRON MOBILITY  
 ENERGY GAPS (SOLID STATE)  
 FORBIDDEN TRANSITIONS  
 HOLE MOBILITY  
 MAGNETIC PROPERTIES  
 OPTICAL PROPERTIES  
 ∞ PHYSICS  
 ∞ SCIENCE  
 SEMICONDUCTORS (MATERIALS)  
 SUPERCONDUCTIVITY  
 THEORETICAL PHYSICS  
 THIN FILMS  
 TRANSPORT PROPERTIES

**SOLID SURFACES**

GS **SOLID SURFACES**  
 . CRYSTAL SURFACES  
 RT LIQUID SURFACES  
 METAL SURFACES  
 SURFACE CRACKS  
 SURFACE FINISHING  
 SURFACE PROPERTIES  
 ∞ SURFACES

**SOLID SUSPENSIONS**

GS MIXTURES  
 . **SOLID SUSPENSIONS**  
 RT COLLOIDAL PROPELLANTS  
 COMPOSITE MATERIALS  
 METALLOGRAPHY  
 PARTICULATES  
 PHASE DIAGRAMS  
 ∞ SUSPENSIONS

**SOLID WASTES**

GS WASTES  
 . SEWAGE  
 . . **SOLID WASTES**  
 RT COMPOSTING  
 GARBAGE  
 HUMAN WASTES  
 INDUSTRIAL WASTES  
 LANDFILLS  
 LIQUID WASTES  
 METABOLIC WASTES  
 POLLUTION  
 RADIOACTIVE WASTES  
 RESIDUES  
 SLUDGE  
 WASTE DISPOSAL  
 WASTE ENERGY UTILIZATION  
 WASTE UTILIZATION

**SOLID-SOLID INTERFACES**

GS INTERFACES  
 . **SOLID-SOLID INTERFACES**  
 RT GAS-SOLID INTERFACES  
 LIQUID-SOLID INTERFACES  
 SURFACE PROPERTIES

**SOLIDIFICATION**

UF RAPID SOLIDIFICATION  
 GS **SOLIDIFICATION**  
 . MELT SPINNING  
 RT CASTING  
 CASTINGS  
 COAGULATION  
 CRYSTALLIZATION  
 FREEZING  
 GELATION

**SOLIDIFICATION-(CONT.)**

INGOTS  
 MELTING POINTS  
 MUSHY ZONES  
 OCCLUSION  
 PHASE TRANSFORMATIONS  
 RHEOCASTING  
 ∞ SETTING  
 SOLIDIFIED GASES  
 TRANSITION TEMPERATURE  
 VITRIFICATION

**SOLIDIFIED GASES**

UF SOLID ARGON  
 GS GASES  
 . **SOLIDIFIED GASES**  
 . . SOLID CRYOGENS  
 . . . SOLID NITROGEN  
 SOLIDS  
 . **SOLIDIFIED GASES**  
 . . SOLID CRYOGENS  
 . . . SOLID NITROGEN  
 RT CRYOGENIC FLUIDS  
 CRYOGENIC TEMPERATURE  
 CRYOGENICS  
 FREEZING  
 LOW TEMPERATURE PHYSICS  
 MELTING POINTS  
 METALLIC HYDROGEN  
 SOLID PHASES  
 SOLIDIFICATION

**SOLIDS**

GS **SOLIDS**  
 . SOLIDIFIED GASES  
 . . SOLID CRYOGENS  
 . . . SOLID NITROGEN  
 RT ∞ BODIES  
 ∞ FLUIDS  
 ∞ MATERIALS  
 METALLIC HYDROGEN  
 ORGANIC SOLIDS  
 PHASE TRANSFORMATIONS  
 SOLID MECHANICS  
 SOLID SOLUTIONS  
 SOLID STATE  
 THERMOCHROMATIC MATERIALS  
 VAPOR PHASES

**SOLIDS FLOW**

GS FLUID FLOW  
 . **SOLIDS FLOW**  
 RT ∞ FLOW  
 FLOW MEASUREMENT  
 FLOW THEORY  
 MASS FLOW  
 MULTIPHASE FLOW  
 PARTICLE SIZE DISTRIBUTION  
 STEADY FLOW  
 TWO PHASE FLOW  
 UNIFORM FLOW  
 UNSTEADY FLOW

**SOLIDUS**

RT BINARY SYSTEMS (MATERIALS)  
 LIQUID PHASES  
 LIQUIDUS  
 SOLID PHASES

**SOLIONS**

RT CIRCUITS  
 DIODES  
 INTEGRATORS  
 ION CURRENTS

**SOLITARY WAVES**

UF SOLITONS  
 GS TRAVELING WAVES  
 . **SOLITARY WAVES**  
 RT BACKWARD WAVES  
 CNOIDAL WAVES  
 ELASTIC WAVES  
 ELECTROMAGNETIC RADIATION  
 PLANE WAVES  
 PULSES  
 RADIO WAVES  
 RATES (PER TIME)  
 VELOCITY

**SOLITHANES**

RT ELASTOMERS  
 ∞ POLYMERS  
 SYNTHETIC RUBBERS

## SOLITONS

- SOLITONS**  
USE SOLITARY WAVES
- SOLOMON COMPUTERS**  
GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
SOLOMON COMPUTERS
- SOLRAD 10 SATELLITE**  
USE EXPLORER 44 SATELLITE
- SOLSTICES**  
RT EQUINOXES  
SEASONS  
SOLAR POSITION  
SUMMER  
WINTER
- SOLUBILITY**  
UF IMMISCIBILITY  
MISCIBILITY  
CLARITY  
RT CONCENTRATION (COMPOSITION)  
DIFFUSIVITY  
DISSOLVED GASES  
DISSOLVING  
GAS-SOLID INTERFACES  
HENRY LAW  
HYGROSCOPICITY  
INCOMPATIBILITY  
LIQUID PHASES  
LIQUID-GAS MIXTURES  
LIQUID-LIQUID INTERFACES  
LIQUID-VAPOR INTERFACES  
MISCIBILITY GAP  
MIXTURES  
PHASE DIAGRAMS  
PRECIPITATION (CHEMISTRY)  
SOLUTIONS  
SUPERCRITICAL FLUIDS  
THERMODYNAMIC PROPERTIES  
THIXOTROPY  
TURBIDITY  
VISCOSITY
- SOLUTES**  
RT DISSOLVING  
SOLUTIONS
- SOLUTION**  
SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT DISSOLVING  
PROBLEM SOLVING  
SOLUTIONS
- SOLUTIONS**  
GS MIXTURES  
SOLUTIONS  
AQUEOUS SOLUTIONS  
GAS MIXTURES  
AIR  
ALVEOLAR AIR  
COMPRESSED AIR  
EXPIRED AIR  
HIGH TEMPERATURE AIR  
LIQUID AIR  
DETONABLE GAS MIXTURES  
PHOTOGRAPHIC EMULSIONS  
NUCLEAR EMULSIONS  
SOLID SOLUTIONS  
RT AZEOTROPES  
COMPOSITION (PROPERTY)  
DISSOLVED GASES  
EMULSIONS  
EUTECTICS  
HENRY LAW  
RAOULT LAW  
SOLUBILITY  
SOLUTES  
SOLUTION  
SOLVENTS  
TITRATION
- SOLVATION**  
RT AQUEOUS SOLUTIONS  
CHEMICAL REACTIONS  
REACTION KINETICS  
SOLVENTS
- SOLVENT EXTRACTION**  
GS EXTRACTION

- SOLVENT EXTRACTION-(CONT.)**  
SOLVENT EXTRACTION  
RT ION EXTRACTION  
PURIFICATION  
SEPARATION
- SOLVENT REFINED COAL**  
GS RESOURCES  
EARTH RESOURCES  
FOSSIL FUELS  
COAL  
SOLVENT REFINED COAL  
RT BENZENE  
BITUMENS  
CARBONACEOUS MATERIALS  
COAL LIQUEFACTION  
COAL UTILIZATION  
FRACTIONATION  
FUEL OILS  
GASOLINE  
HYDROCARBON FUEL PRODUCTION  
METHANE  
PRODUCT DEVELOPMENT
- SOLVENT RETENTION**  
RT DISSOLVING  
SOLVENTS
- SOLVENTS**  
UF THINNERS  
GS SOLVENTS  
TETRAHYDROFURAN  
TURPENTINE  
RT ADDITIVES  
COATINGS  
DILUENTS  
DISSOLVING  
EXTRACTION  
FURANS  
SOLUTIONS  
SOLVATION  
SOLVENT RETENTION  
SOLVOLYSIS  
TOLUENE  
TRIACETIN
- SOLVOLYSIS**  
GS RECLAMATION  
MATERIALS RECOVERY  
SOLVOLYSIS  
RT RECYCLING  
SOLVENTS
- SOMALIA**  
GS NATIONS  
SOMALIA  
RT AFRICA
- SOMMERFELD APPROXIMATION**  
GS ANALYSIS (MATHEMATICS)  
NUMERICAL ANALYSIS  
APPROXIMATION  
SOMMERFELD APPROXIMATION  
RT ANTENNA RADIATION PATTERNS  
DIRECTIONAL ANTENNAS  
ELECTROMAGNETIC FIELDS  
RADIO TRANSMISSION
- SOMMERFELD WAVES**  
GS ELECTROMAGNETIC RADIATION  
SOMMERFELD WAVES  
SURFACE WAVES  
SOMMERFELD WAVES  
RT DIELECTRIC PROPERTIES  
ELECTRIC CONDUCTORS
- SONAR**  
GS SONAR  
SONOBUOYS  
RT DISTANCE MEASURING EQUIPMENT  
ECHO SOUNDING  
ECHO SUPPRESSORS  
HYDROPHONES  
LOFAR  
NAVIGATION AIDS  
SOUND LOCALIZATION  
SOUND RANGING  
ULTRASONIC WAVE TRANSDUCERS  
UNDERWATER ACOUSTICS  
UNDERWATER COMMUNICATION
- SONDES**  
UF METEOROLOGICAL PROBES  
GS MEASURING INSTRUMENTS

- SONDES-(CONT.)**  
SONDES  
DROPSONDES  
JUDI-DART ROCKET  
RADIOSONDES  
ENDORADIOSONDES  
IONOSONDES  
RAWINSONDES  
RT APACHE ROCKET VEHICLE  
ASP ROCKET VEHICLE  
CAJUN ROCKET VEHICLE  
PROBES  
SOUNDING  
SOUNDING ROCKETS
- SONIC ANEMOMETERS**  
GS MEASURING INSTRUMENTS  
ANEMOMETERS  
SONIC ANEMOMETERS  
RT ACOUSTICS  
FLOWMETERS  
HOT-FILM ANEMOMETERS  
VELOCITY MEASUREMENT
- SONIC BOOMS**  
GS ELASTIC WAVES  
SHOCK WAVES  
SONIC BOOMS  
SOUND WAVES  
NOISE (SOUND)  
AIRCRAFT NOISE  
SONIC BOOMS  
RT ACOUSTIC VELOCITY  
AERODYNAMIC NOISE  
BOOM  
CAUSTIC LINES  
JET AIRCRAFT NOISE  
SUPERSONIC FLIGHT  
TRANSONIC FLIGHT
- SONIC FATIGUE**  
USE ACOUSTIC FATIGUE
- SONIC FLOW**  
USE TRANSONIC FLOW
- SONIC NOZZLES**  
RT ACOUSTIC NOZZLES  
CONICAL NOZZLES  
NOZZLES  
SUPERSONIC NOZZLES  
TRANSONIC FLOW  
TRANSONIC NOZZLES
- SONIC SOLDERING**  
USE ULTRASONIC SOLDERING
- SONIC SPEED**  
USE ACOUSTIC VELOCITY
- SONIC WAVEGUIDES**  
USE ACOUSTIC DELAY LINES
- SONOBUOYS**  
GS RADIO EQUIPMENT  
RADIO TRANSMITTERS  
SONOBUOYS  
SONAR  
SONOBUOYS  
TRANSMITTERS  
RADIO TRANSMITTERS  
SONOBUOYS  
RT ANTISUBMARINE WARFARE  
HYDROPHONES  
UNDERWATER ACOUSTICS  
UNDERWATER COMMUNICATION
- SONOGRAMS**  
RT RECORDING INSTRUMENTS  
SOUND WAVES  
WHISTLER RECORDERS  
WHISTLERS
- SONOHOLOGRAPHY**  
USE ACOUSTICAL HOLOGRAPHY
- SONOLUMINESCENCE**  
GS EMISSION  
LIGHT EMISSION  
LUMINESCENCE  
SONOLUMINESCENCE
- SOOT**  
GS PARTICLES

## SOUND TRANSMISSION

### SOOT-(CONT.)

. PARTICULATES  
 . . **SOOT**  
 RT AIR POLLUTION  
 CARBON  
 COMBUSTION PRODUCTS  
 FIRE DAMAGE  
 SMOKE  
 SMOKE ABATEMENT

### SORBATES

RT SORBENTS  
 SORPTION

### SORBENTS

GS **SORBENTS**  
 . ABSORBENTS  
 . ADSORBENTS  
 RT SORBATES  
 SORPTION

### SORET COEFFICIENT

GS COEFFICIENTS  
 . DIFFUSION COEFFICIENT  
 . . **SORET COEFFICIENT**  
 TRANSPORT PROPERTIES  
 . DIFFUSION COEFFICIENT  
 . . **SORET COEFFICIENT**  
 RT LIQUID FLOW  
 THERMAL DIFFUSION

### SORGHUM

GS FARM CROPS  
 . GRAINS (FOOD)  
 . . **SORGHUM**  
 PLANTS (BOTANY)  
 . GRASSES  
 . . **SORGHUM**  
 RT AGRICULTURE  
 CROP IDENTIFICATION  
 ∞ CROPS  
 EARTH RESOURCES

### SORPTION

UF CRYOSORPTION  
 GS **SORPTION**  
 . ADSORPTION  
 . . CHEMISORPTION  
 RT ∞ ABSORPTION  
 CHROMATOGRAPHY  
 CONCENTRATING  
 EXTRACTION  
 GAS CHROMATOGRAPHY  
 LIQUID CHROMATOGRAPHY  
 MATERIAL ABSORPTION  
 PERMEATING  
 ∞ SEPARATION  
 SORBATES  
 SORBENTS  
 SURFACE PROPERTIES

### SORTIE CAN

USE SORTIE SYSTEMS

### SORTIE LAB

USE SORTIE SYSTEMS

### SORTIE SYSTEMS

UF SORTIE CAN  
 SORTIE LAB  
 GS PAYLOADS  
 . **SORTIE SYSTEMS**  
 RT SPACE LABORATORIES  
 SPACE SHUTTLE PAYLOADS  
 SPACE SHUTTLES  
 SPACE STATIONS  
 SPACELAB PAYLOADS

### SORTING

USE CLASSIFYING

### SOS (SEMICONDUCTORS)

UF SILICON-ON-SAPPHIRE JUNCTIONS  
 SILICON-ON-SAPPHIRE  
 SEMICONDUCTORS  
 GS SILICON-ON-SAPPHIRE TRANSISTORS  
 ELECTRONIC EQUIPMENT  
 . SOLID STATE DEVICES  
 . . SEMICONDUCTOR DEVICES  
 . . . METAL OXIDE SEMICONDUCTORS  
 . . . **SOS (SEMICONDUCTORS)**  
 . . . TRANSISTORS  
 . . . SILICON TRANSISTORS  
 . . . . **SOS (SEMICONDUCTORS)**

### SOS (SEMICONDUCTORS)-(CONT.)

SEMICONDUCTORS (MATERIALS)  
 . METAL OXIDE SEMICONDUCTORS  
 . . **SOS (SEMICONDUCTORS)**  
 RT ITO (SEMICONDUCTORS)  
 SIS (SEMICONDUCTORS)  
 SOI (SEMICONDUCTORS)

### SOT

USE SOLAR OPTICAL TELESCOPE

### SOUND

USE ACOUSTICS

### SOUND ABSORPTION

USE SOUND TRANSMISSION

### SOUND AMPLIFICATION

GS AMPLIFICATION  
 . **SOUND AMPLIFICATION**  
 RT ACOUSTIC ATTENUATION  
 ACOUSTIC EXCITATION  
 ACOUSTICS

### SOUND BARRIER

USE ACOUSTIC VELOCITY

### SOUND DETECTING AND RANGING

RT ACOUSTIC SCATTERING  
 ATMOSPHERIC TEMPERATURE  
 ∞ INSTRUMENTS  
 MEASURING INSTRUMENTS  
 METEOROLOGICAL INSTRUMENTS  
 METEOROLOGY  
 SODAR  
 TEMPERATURE MEASUREMENT

### SOUND DETECTORS

USE SOUND TRANSDUCERS

### SOUND FIELDS

RT ACOUSTICS  
 FIELD THEORY (PHYSICS)  
 MICROSONICS

### SOUND FIXING AND RANGING

UF SFAR  
 SOFAR  
 RT SOUND RANGING  
 SOUND TRANSMISSION  
 UNDERWATER ACOUSTICS

### SOUND FREQUENCIES

USE ACOUSTIC FREQUENCIES

### SOUND GENERATORS

UF ACOUSTIC GENERATORS  
 RT ACOUSTIC NOZZLES  
 AUDIO FREQUENCIES  
 AUDITORY STIMULI  
 BELLS  
 CONTINUOUS NOISE  
 ∞ GENERATORS  
 HORNS  
 LOUDSPEAKERS  
 NOISE GENERATORS  
 RADIATION SOURCES  
 SIGNAL GENERATORS  
 ∞ SIGNALS  
 SIRENS  
 WARNING SYSTEMS

### SOUND HOLOGRAPHY

USE ACOUSTICAL HOLOGRAPHY

### SOUND INTENSITY

GS ACOUSTIC PROPERTIES  
 . **SOUND INTENSITY**  
 . . ZERO SOUND  
 RATES (PER TIME)  
 . FLUX DENSITY  
 . . **SOUND INTENSITY**  
 . . . ZERO SOUND  
 RT AUDITORY STIMULI  
 BIOACOUSTICS  
 EFFECTIVE PERCEIVED NOISE LEVELS  
 LOUDNESS  
 NOISE INTENSITY  
 NOISE MEASUREMENT  
 RADIANT FLUX DENSITY  
 SIGNAL FADING  
 SIGNAL FADING RATE  
 SIRENS

### SOUND LOCALIZATION

GS PERCEPTION  
 . **SOUND LOCALIZATION**  
 RT AUDITORY PERCEPTION  
 BEARING (DIRECTION)  
 BINAURAL HEARING  
 DETECTION  
 ECHO SOUNDING  
 ∞ ORIENTATION  
 POSITION INDICATORS  
 RANGE FINDERS  
 SONAR  
 SPACE PERCEPTION  
 TRACKING (POSITION)

### SOUND MEASUREMENT

USE ACOUSTIC MEASUREMENT

### SOUND PERCEPTION

USE AUDITORY PERCEPTION

### SOUND PRESSURE

GS PRESSURE  
 . RADIATION PRESSURE  
 . . **SOUND PRESSURE**  
 RT ACOUSTIC MEASUREMENT  
 ACOUSTIC VELOCITY  
 EXPLOSIONS  
 FLUX DENSITY  
 LOUDNESS  
 NOISE (SOUND)  
 SHOCK WAVES  
 STATIC PRESSURE

### SOUND PROPAGATION

GS **SOUND PROPAGATION**  
 . VOICE  
 RT ACOUSTIC PROPAGATION  
 ACOUSTICS  
 ATTENUATION  
 ∞ CONDUCTION  
 DIFFUSION  
 NOISE GENERATORS  
 NOISE PROPAGATION  
 SHOCK WAVE PROPAGATION

### SOUND RANGING

GS RANGEFINDING  
 . **SOUND RANGING**  
 RT DETECTION  
 DISTANCE MEASURING EQUIPMENT  
 ECHO SOUNDING  
 POSITION (LOCATION)  
 SONAR  
 SOUND FIXING AND RANGING  
 TARGET ACQUISITION  
 TRACKING (POSITION)

### SOUND TRANSDUCERS

UF SOUND DETECTORS  
 GS TRANSDUCERS  
 . **SOUND TRANSDUCERS**  
 . . ELECTROACOUSTIC TRANSDUCERS  
 . . . HYDROPHONES  
 . . . LOUDSPEAKERS  
 . . . MICROPHONES  
 RT ELECTROACOUSTICS  
 ∞ RADIATORS  
 SIGNAL DETECTION  
 SIGNAL DETECTORS  
 UNDERWATER ACOUSTICS  
 UNDERWATER COMMUNICATION

### SOUND TRANSMISSION

UF SOUND ABSORPTION  
 GS TRANSMISSION  
 . **SOUND TRANSMISSION**  
 RT ∞ ABSORPTION  
 ACOUSTICS  
 ATTENUATION  
 AUDIO FREQUENCIES  
 ∞ CONDUCTION  
 EARPHONES  
 ELASTIC WAVES  
 ENERGY ABSORPTION  
 MONAURAL SIGNALS  
 MULTIPATH TRANSMISSION  
 ∞ PATHS  
 SIGNAL TRANSMISSION  
 SIRENS  
 SOUND FIXING AND RANGING  
 TELEPHONY  
 THERMOCLINES  
 WAVE PROPAGATION

## SOUND VELOCITY

### SOUND VELOCITY

USE ACOUSTIC VELOCITY

### SOUND WAVES

SN (ELASTIC WAVES IN THE AUDIBLE RANGE)  
 UF ACOUSTIC RADIATION  
 ACOUSTIC VIBRATIONS  
 GS ELASTIC WAVES  
 . **SOUND WAVES**  
 . . . ELECTROACOUSTIC WAVES  
 . . . ION ACOUSTIC WAVES  
 . . . LAMB WAVES  
 . . . NOISE (SOUND)  
 . . . AERODYNAMIC NOISE  
 . . . . . BLADE SLAP NOISE  
 . . . . . AIRCRAFT NOISE  
 . . . . . BLADE SLAP NOISE  
 . . . . . JET AIRCRAFT NOISE  
 . . . . . SONIC BOOMS  
 . . . . . ENGINE NOISE  
 . . . . . ROCKET ENGINE NOISE  
 . . . . . THERMAL NOISE  
 RT ACOUSTIC FREQUENCIES  
 ACOUSTIC MEASUREMENT  
 ACOUSTIC PROPERTIES  
 ACOUSTIC STREAMING  
 ACOUSTICAL HOLOGRAPHY  
 ACOUSTICS  
 AEOLIAN TONES  
 AUDIO FREQUENCIES  
 AUDITORY PERCEPTION  
 ∞ BLASTS  
 DEEP SCATTERING LAYERS  
 DETONATION WAVES  
 DIFFUSION  
 LONGITUDINAL WAVES  
 LOUDNESS  
 MACH CONES  
 MAGNETOELASTIC WAVES  
 MICROSONICS  
 NOISE POLLUTION  
 NOISE PREDICTION (AIRCRAFT)  
 PHONONS  
 PLANE WAVES  
 POLARIZED ELASTIC WAVES  
 ∞ RADIATION  
 REVERBERATION  
 SHOCK WAVES  
 SONOGRAMS  
 SURFACE ACOUSTIC WAVE DEVICES  
 ULTRASONIC RADIATION  
 ∞ WAVES

### SOUND-SOUND INTERACTIONS

RT HARMONICS  
 ∞ INTERACTIONS  
 INTERMODULATION  
 WAVE DISPERSION

### SOUNDERS

USE SOUNDING

### SOUNDING

UF SOUNDERS  
 GS **SOUNDING**  
 . ACOUSTIC SOUNDING  
 . ATMOSPHERIC SOUNDING  
 . BALLOON SOUNDING  
 . ECHO SOUNDING  
 . IONOSPHERIC SOUNDING  
 . MICROWAVE SOUNDING  
 . ROCKET SOUNDING  
 . SATELLITE SOUNDING  
 RT BATHYMETERS  
 DEPTH MEASUREMENT  
 ∞ MEASUREMENT  
 METEOROLOGICAL BALLOONS  
 METEOROLOGICAL FLIGHT  
 ROBIN BALLOONS  
 SONDES

### SOUNDING ROCKETS

UF METEOROLOGICAL ROCKETS  
 ROCKET SONDES  
 GS ROCKET VEHICLES  
 . **SOUNDING ROCKETS**  
 . . . AEROBEE ROCKET VEHICLE  
 . . . ANTARES ROCKET VEHICLE  
 . . . APACHE ROCKET VEHICLE  
 . . . ARCAS ROCKET VEHICLES  
 . . . ARIES SOUNDING ROCKET  
 . . . ASP ROCKET VEHICLE  
 . . . ASTROBEE ROCKET VEHICLES  
 . . . ASTROBEE 1500 ROCKET VEHICLE

### SOUNDING ROCKETS-(CONT.)

. . . BLACK BRANT SOUNDING ROCKETS  
 . . . BLACK BRANT 1 SOUNDING  
 . . . . . ROCKET  
 . . . BLACK BRANT 2 SOUNDING  
 . . . . . ROCKET  
 . . . BLACK BRANT 3 SOUNDING  
 . . . . . ROCKET  
 . . . BLACK BRANT 4 SOUNDING  
 . . . . . ROCKET  
 . . . BLACK BRANT 5 SOUNDING  
 . . . . . ROCKET  
 . . . CAJUN ROCKET VEHICLE  
 . . . DORNIER PARAGLIDER ROCKET  
 . . . . . VEHICLE  
 . . . EXOS SOUNDING ROCKET  
 . . . JAGUAR ROCKET VEHICLE  
 . . . JUDI-DART ROCKET  
 . . . KAPPA ROCKET VEHICLES  
 . . . KAPPA 8 ROCKET VEHICLE  
 . . . KAPPA 9 ROCKET VEHICLE  
 . . . LAMBDA ROCKET VEHICLES  
 . . . LOKI ROCKET VEHICLE  
 . . . PETREL SOUNDING ROCKET  
 . . . PHOENIX SOUNDING ROCKET  
 . . . SKUA ROCKET VEHICLES  
 . . . SKYLARK ROCKET VEHICLE  
 . . . VENUS FLY TRAP ROCKET VEHICLE  
 . . . VERONIQUE ROCKET VEHICLES  
 . . . VERTICAL 8 ROCKET  
 . . . WASP SOUNDING ROCKET  
 RT ACOUSTIC SOUNDING  
 ARGO ROCKET VEHICLES  
 IONOSONDES  
 JAVELIN ROCKET VEHICLE  
 METEOROLOGICAL INSTRUMENTS  
 METEOROLOGICAL SATELLITES  
 NIKE-JAVELIN ROCKET VEHICLE  
 PAYLOAD CONTROL  
 RADIOSONDES  
 ROCKET SOUNDING  
 SONDES  
 VIKING ROCKET VEHICLE

### SOUNDS (TOPOGRAPHIC FEATURES)

GS **SOUNDS (TOPOGRAPHIC FEATURES)**  
 . BLOCK ISLAND SOUND (RI)  
 . MCMURDO SOUND  
 . PRINCE WILLIAM SOUND (AK)  
 RT CHESAPEAKE BAY (US)  
 INLETS (TOPOGRAPHY)  
 OCEANS  
 RIVERS  
 WATER

### SOURCE PROGRAMS

GS COMPUTER PROGRAMS  
 . **SOURCE PROGRAMS**  
 PROGRAMS  
 . **SOURCE PROGRAMS**

### ∞ SOURCES

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)  
 RT CAUSES  
 DERIVATION  
 ELECTRON SOURCES  
 EXTRAGALACTIC RADIO SOURCES  
 ION SOURCES  
 NONPOINT SOURCES  
 RADIATION SOURCES  
 RADIO SOURCES (ASTRONOMY)  
 SINKS

### SOUTH AFRICA

USE REPUBLIC OF SOUTH AFRICA

### SOUTH AMERICA

GS CONTINENTS  
 . **SOUTH AMERICA**  
 RT ANDES MOUNTAINS (SOUTH AMERICA)  
 ARGENTINA  
 BOLIVIA  
 BRAZIL  
 CENTRAL AMERICA  
 CHILE  
 COLOMBIA  
 ECUADOR  
 FRENCH GUIANA  
 GUYANA  
 MAGDALENA-CAUCA VALLEY (COLOMBIA)  
 PARAGUAY  
 PERU  
 SURINAM

### SOUTH AMERICA-(CONT.)

TRINIDAD AND TOBAGO  
 URUGUAY  
 VENEZUELA

### SOUTH CAROLINA

GS NATIONS  
 . UNITED STATES  
 . **SOUTH CAROLINA**  
 RT SAND HILLS REGION (GA-NC-SC)

### SOUTH DAKOTA

GS NATIONS  
 . UNITED STATES  
 . **SOUTH DAKOTA**  
 RT BLACK HILLS (SD-WY)  
 MISSOURI RIVER (US)

### SOUTH KOREA

UF REPUBLIC OF KOREA  
 GS NATIONS  
 . **SOUTH KOREA**  
 RT ASIA  
 ∞ KOREA  
 NORTH KOREA

### SOUTH VIETNAM

USE VIETNAM

### SOUTH WEST AFRICA

USE NAMIBIA

### SOUTHEAST ASIA

GS REGIONS  
 . **SOUTHEAST ASIA**  
 RT ASIA  
 VIETNAM

### SOUTHERN CALIFORNIA

GS REGIONS  
 . **SOUTHERN CALIFORNIA**  
 RT CALIFORNIA  
 MEXICO  
 NEVADA  
 PACIFIC OCEAN  
 UNITED STATES

### SOUTHERN HEMISPHERE

GS **SOUTHERN HEMISPHERE**  
 . ANTARCTIC REGIONS  
 . . MCMURDO SOUND  
 . . ROSS ICE SHELF  
 RT ∞ HEMISPHERES  
 NORTHERN HEMISPHERE  
 SOUTHERN OSCILLATION  
 SOUTHERN SKY

### SOUTHERN OSCILLATION

GS OSCILLATIONS  
 . **SOUTHERN OSCILLATION**  
 RT ANOMALIES  
 ATMOSPHERIC CIRCULATION  
 ATMOSPHERIC PRESSURE  
 CLIMATE  
 EL NINO  
 PERIODIC VARIATIONS  
 PRESSURE OSCILLATIONS  
 SOUTHERN HEMISPHERE

### SOUTHERN SKY

RT ASTRONOMICAL CATALOGS  
 ASTRONOMICAL OBSERVATORIES  
 ASTRONOMICAL PHOTOGRAPHY  
 ASTRONOMICAL SPECTROSCOPY  
 ASTRONOMY  
 NORTHERN SKY  
 SKY SURVEYS (ASTRONOMY)  
 SOUTHERN HEMISPHERE

### SOUTHERN YEMEN

UF ADEN  
 GS NATIONS  
 . **SOUTHERN YEMEN**  
 REGIONS  
 . **SOUTHERN YEMEN**  
 RT ASIA

### SOVEREIGNTY

RT INTERNATIONAL COOPERATION  
 INTERNATIONAL LAW  
 POLITICS  
 VOTING

## SPACE COMMUNICATION

### SOVIET SATELLITES

GS ARTIFICIAL SATELLITES  
**SOVIET SATELLITES**  
 . COSMOS SATELLITES  
 . COSMOS 2 SATELLITE  
 . COSMOS 3 SATELLITE  
 . COSMOS 5 SATELLITE  
 . COSMOS 6 SATELLITE  
 . COSMOS 14 SATELLITE  
 . COSMOS 44 SATELLITE  
 . COSMOS 54 SATELLITE  
 . COSMOS 71 SATELLITE  
 . COSMOS 110 SATELLITE  
 . COSMOS 137 SATELLITE  
 . COSMOS 144 SATELLITE  
 . COSMOS 149 SATELLITE  
 . COSMOS 166 SATELLITE  
 . COSMOS 186 SATELLITE  
 . COSMOS 188 SATELLITE  
 . COSMOS 206 SATELLITE  
 . COSMOS 213 SATELLITE  
 . COSMOS 224 SATELLITE  
 . COSMOS 225 SATELLITE  
 . COSMOS 381 SATELLITE  
 . COSMOS 954 SATELLITE  
 . COSMOS 1129 SATELLITE  
 . INTERCOSMOS SATELLITES  
 . COSMOS 782 SATELLITE  
 . COSMOS 936 SATELLITE  
 . MOLNIYA SATELLITES  
 . PROGNOZ SATELLITES  
 . PROTON SATELLITES  
 . PROTON 1 SATELLITE  
 . PROTON 2 SATELLITE  
 . PROTON 3 SATELLITE  
 . PROTON 4 SATELLITE  
 . RADUGA SATELLITE  
 . SPUTNIK SATELLITES  
 . SPUTNIK 1 SATELLITE  
 . SPUTNIK 2 SATELLITE  
 . SPUTNIK 3 SATELLITE  
 . SPUTNIK 4 SATELLITE  
 . SPUTNIK 5 SATELLITE  
 . VENERA SATELLITES  
 . VENERA 2 SATELLITE  
 . VENERA 3 SATELLITE  
 . VENERA 4 SATELLITE  
 . VENERA 5 SATELLITE  
 . VENERA 6 SATELLITE  
 . VENERA 7 SATELLITE  
 . VENERA 8 SATELLITE  
 . VENERA 9 SATELLITE  
 . VENERA 10 SATELLITE  
 . VENERA 11 SATELLITE  
 . VENERA 12 SATELLITE

### SOVIET SPACECRAFT

GS **SOVIET SPACECRAFT**  
 . LUNIK LUNAR PROBES  
 . LUNIK 2 LUNAR PROBE  
 . LUNIK 3 LUNAR PROBE  
 . LUNIK 9 LUNAR PROBE  
 . LUNIK 10 LUNAR PROBE  
 . LUNIK 11 LUNAR PROBE  
 . LUNIK 12 LUNAR PROBE  
 . LUNIK 13 LUNAR PROBE  
 . LUNIK 14 LUNAR PROBE  
 . LUNIK 16 LUNAR PROBE  
 . LUNIK 17 LUNAR PROBE  
 . LUNIK 19 LUNAR PROBE  
 . LUNIK 20 LUNAR PROBE  
 . LUNIK 22 LUNAR PROBE  
 . MARS 1 SPACECRAFT  
 . MARS 2 SPACECRAFT  
 . MARS 3 SPACECRAFT  
 . MARS 4 SPACECRAFT  
 . MARS 5 SPACECRAFT  
 . MARS 6 SPACECRAFT  
 . MARS 7 SPACECRAFT  
 . MIR SPACE STATION  
 . SALLYUT SPACE STATION  
 . SOYUZ SPACECRAFT  
 . SPUTNIK SATELLITES  
 . SPUTNIK 1 SATELLITE  
 . SPUTNIK 2 SATELLITE  
 . SPUTNIK 3 SATELLITE  
 . SPUTNIK 4 SATELLITE  
 . SPUTNIK 5 SATELLITE  
 . VENERA SATELLITES  
 . VENERA 2 SATELLITE  
 . VENERA 3 SATELLITE  
 . VENERA 4 SATELLITE  
 . VENERA 5 SATELLITE  
 . VENERA 6 SATELLITE  
 . VENERA 7 SATELLITE  
 . VENERA 8 SATELLITE

### SOVIET SPACECRAFT-(CONT.)

. VENERA 9 SATELLITE  
 . VENERA 10 SATELLITE  
 . VENERA 11 SATELLITE  
 . VENERA 12 SATELLITE  
 . ZOND SPACE PROBES  
 . ZOND 1 SPACE PROBE  
 . ZOND 2 SPACE PROBE  
 . ZOND 3 SPACE PROBE  
 . ZOND 4 SPACE PROBE  
 . ZOND 5 SPACE PROBE  
 . ZOND 6 SPACE PROBE  
 . ZOND 7 SPACE PROBE  
 . ZOND 8 SPACE PROBE  
 RT  $\infty$  SPACECRAFT

### SOVIET UNION

USE U.S.S.R.

### SOYBEANS

GS FARM CROPS  
 . LEGUMINOUS PLANTS  
 . **SOYBEANS**  
 . PLANTS (BOTANY)  
 . LEGUMINOUS PLANTS  
 . **SOYBEANS**  
 RT  $\infty$  FOOD

### SOYUZ SPACECRAFT

GS MANNED SPACECRAFT  
 . **SOYUZ SPACECRAFT**  
 . SOVIET SPACECRAFT  
 . **SOYUZ SPACECRAFT**  
 RT APOLLO SOYUZ TEST PROJECT  
 SALLYUT SPACE STATION  
 U.S.S.R. SPACE PROGRAM

### $\infty$ SPACE

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT ALGEBRA  
 ANALYSIS (MATHEMATICS)  
 CARTAN SPACE  
 CISELUNAR SPACE  
 DEEP SPACE  
 FRACTALS  
 FUNCTION SPACE  
 HYPERSPACES  
 SET THEORY  
 SPATIAL DEPENDENCIES

### SPACE ADAPTATION SYNDROME

RT AEROSPACE MEDICINE  
 BIOASTRONAUTICS  
 BIOLOGICAL EFFECTS  
 LONG DURATION SPACE FLIGHT  
 MANNED SPACE FLIGHT  
 MOTION SICKNESS  
 PHYSIOLOGICAL EFFECTS  
 PSYCHOLOGICAL EFFECTS  
 SPACE FLIGHT STRESS  
 SPACE PSYCHOLOGY  
 WEIGHTLESSNESS

### SPACE ARROW SATELLITE

USE COSMOS 149 SATELLITE

### SPACE BASED RADAR

GS RADAR  
 . **SPACE BASED RADAR**  
 RT ANTENNA ARRAYS  
 RADIATION EFFECTS  
 RADIATION SHIELDING

### SPACE BASES

GS **SPACE BASES**  
 . LUNAR BASES  
 . SPACE COLONIES  
 RT  $\infty$  BASES  
 MIR SPACE STATION  
 SALLYUT SPACE STATION  
 SPACE STATIONS  
 STATIONS

### SPACE BIOLOGY

USE EXOBIOLOGY

### SPACE BUSES

USE FERRY SPACECRAFT

### SPACE CAPSULES

UF CAPSULES (SPACECRAFT)  
 GS **SPACE CAPSULES**

### SPACE CAPSULES-(CONT.)

. DISCOVERER RECOVERY CAPSULES  
 . ESCAPE CAPSULES  
 . MERCURY SPACECRAFT  
 . AURORA 7  
 . FAITH 7  
 . FRIENDSHIP 7  
 . SIGMA 7  
 RT ARTIFICIAL SATELLITES  
 BIOSATELLITES  
 CABIN ATMOSPHERES  
 $\infty$  CAPSULES  
 COCKPITS  
 GEMINI SPACECRAFT  
 INTERPLANETARY SPACECRAFT  
 LANDING MODULES  
 LUNAR SPACECRAFT  
 MANNED SPACECRAFT  
 MERCURY FLIGHTS  
 RECOVERABLE SPACECRAFT  
 REENTRY VEHICLES  
 RENDEZVOUS SPACECRAFT  
 SOFT LANDING SPACECRAFT  
 $\infty$  SPACECRAFT  
 SPACECRAFT CABINS  
 SPACECRAFT MODULES  
 UNMANNED SPACECRAFT  
 VOSKOD MANNED SPACECRAFT  
 VOSTOK SPACECRAFT

### SPACE CHARGE

GS ELECTRIC CHARGE  
 . **SPACE CHARGE**  
 RT BUNCHING  
 CHILD-LANGMUIR LAW  
 ELECTRIC DISCHARGES  
 ELECTRON CLOUDS  
 LANDAU DAMPING  
 MAGNETOHYDRODYNAMICS  
 NONOHMIC EFFECT  
 ORBITRONS  
 PERVEANCE  
 PLASMAS (PHYSICS)  
 STATIC ELECTRICITY

### SPACE COLONIES

GS SPACE BASES  
 . **SPACE COLONIES**  
 RT LUNAR BASES  
 LUNAR SHELTERS  
 SPACE HABITATS  
 SPACE STATIONS

### SPACE COMMERCIALIZATION

RT AEROSPACE INDUSTRY  
 COMMERCE LAB  
 COMMERCIAL SPACECRAFT  
 COMMUNICATION SATELLITES  
 DIRECT BROADCAST SATELLITES  
 INSURANCE (CONTRACTS)  
 $\infty$  MICROGRAVITY APPLICATIONS  
 SPACE INDUSTRIALIZATION  
 SPACE MANUFACTURING  
 SPACE PROCESSING  
 SPACECRAFT LAUNCHING  
 TECHNOLOGY TRANSFER

### SPACE COMMUNICATION

GS TELECOMMUNICATION  
 . **SPACE COMMUNICATION**  
 . EXTRATERRESTRIAL  
 COMMUNICATION  
 . INTERPLANETARY COMMUNICATION  
 . LUNAR COMMUNICATION  
 . CIRCUMLUNAR COMMUNICATION  
 . SPACECRAFT COMMUNICATION  
 . REENTRY COMMUNICATION  
 . SATELLITE COMMUNICATION  
 RT COMMUNICATION SATELLITES  
 DEFENSE COMMUNICATIONS SATELLITE  
 SYSTEM  
 EXTRATERRESTRIAL INTELLIGENCE  
 FURLABLE ANTENNAS  
 INTERSTELLAR COMMUNICATION  
 LASERS  
 LINE OF SIGHT COMMUNICATION  
 MANNED SPACE FLIGHT  
 OPTICAL COMMUNICATION  
 PULSE COMMUNICATION  
 RADIO COMMUNICATION  
 RADIO TELEMETRY  
 TELEVISION SYSTEMS  
 WIRELESS COMMUNICATION

## SPACE COOLING (BUILDINGS)

### SPACE COOLING (BUILDINGS)

GS COOLING  
 . SPACE COOLING (BUILDINGS)  
 RT COOLING SYSTEMS  
 ENERGY TECHNOLOGY  
 HEAT EXCHANGERS  
 HEAT PUMPS  
 LIQUID COOLING  
 RESIDENTIAL ENERGY  
 SOLAR COLLECTORS  
 SOLAR COOLING  
 SOLAR ENERGY CONVERSION  
 TEMPERATURE CONTROL

### SPACE DEBRIS

GS DEBRIS  
 . SPACE DEBRIS  
 RT ASTEROID BELTS  
 ASTEROIDS  
 CHIRON  
 COSMIC DUST  
 DUST  
 METEORIDS  
 MICROMETEORIDS  
 ∞ SPACECRAFT  
 SPACECRAFT DESIGN  
 TORO ASTEROID  
 VESTA ASTEROID

### SPACE DENSITY

GS DENSITY (MASS/VOLUME)  
 . SPACE DENSITY  
 DENSITY (NUMBER/VOLUME)  
 . SPACE DENSITY  
 RT ATMOSPHERIC DENSITY  
 ELECTRON DENSITY (CONCENTRATION)  
 ION DENSITY (CONCENTRATION)  
 PARTICLE DENSITY (CONCENTRATION)  
 PLASMA DENSITY  
 PLASMA INTERACTION EXPERIMENT  
 PROTON DENSITY (CONCENTRATION)

### SPACE DETECTION AND TRACKING SYSTEM

UF SPADATS (TRACKING SYSTEM)  
 GS STATIONS  
 . GROUND STATIONS  
 . SPACE DETECTION AND TRACKING SYSTEM  
 . TRACKING STATIONS  
 . SPACE DETECTION AND TRACKING SYSTEM  
 TRACKING (POSITION)  
 . SPACE DETECTION AND TRACKING SYSTEM  
 TRACKING NETWORKS  
 . SPACE DETECTION AND TRACKING SYSTEM  
 RT MINITRACK SYSTEM  
 MISSILE TRACKING  
 OPTICAL TRACKING  
 PHOTOGRAPHIC TRACKING  
 POLYSTATION DOPPLER TRACKING SYSTEM  
 SPACECRAFT TRACKING  
 STDN (NETWORK)  
 ∞ SYSTEMS

### SPACE DIVERSITY

USE RECEPTION DIVERSITY

### SPACE ELECTRIC ROCKET TESTS

UF SERT (ROCKET TESTS)  
 GS ENGINE TESTS  
 . SPACE ELECTRIC ROCKET TESTS  
 RT ELECTRIC ROCKET ENGINES  
 FLIGHT TESTS  
 GROUND TESTS  
 SERT 1 SPACECRAFT  
 SERT 2 SPACECRAFT  
 ∞ TESTS

### SPACE ENVIRONMENT

USE AEROSPACE ENVIRONMENTS

### SPACE ENVIRONMENT SIMULATION

GS SIMULATION  
 . ENVIRONMENT SIMULATION  
 . SPACE ENVIRONMENT SIMULATION  
 . . . WEIGHTLESSNESS SIMULATION  
 . . . . NEUTRAL BUOYANCY SIMULATION  
 RT ALTITUDE SIMULATION  
 ATMOSPHERIC ENTRY SIMULATION  
 FLIGHT SIMULATION  
 FLIGHT SIMULATORS  
 HIGH VACUUM ORBITAL SIMULATOR

## SPACE ENVIRONMENT SIMULATION-(CONT.)

LANGLEY COMPLEX COORDINATOR  
 MOTION SIMULATORS  
 SOLAR SIMULATION  
 THERMAL SIMULATION  
 VACUUM CHAMBERS

### SPACE ENVIRONMENTAL LUBRICATION

USE SPACECRAFT LUBRICATION

### SPACE ERECTABLE STRUCTURES

GS SPACE ERECTABLE STRUCTURES  
 . INFLATABLE SPACECRAFT  
 . BEACON SATELLITES  
 . . BEACON EXPLORER A  
 . . . EXPLORER 22 SATELLITE  
 RT EXPANDABLE STRUCTURES  
 FOLDING STRUCTURES  
 INFLATABLE STRUCTURES  
 LARGE SPACE STRUCTURES  
 MAYPOLE ANTENNAS  
 ORBITAL ASSEMBLY  
 RIGID STRUCTURES  
 SELF ERECTING DEVICES  
 SPACE STATION STRUCTURES  
 SPACE TECHNOLOGY EXPERIMENTS  
 SPACECRAFT MODULES  
 SPACECRAFT STRUCTURES  
 ∞ STRUCTURES

### SPACE EXPER WITH PARTICLE ACCELERATORS

USE SEPAC (PAYLOAD)

### SPACE EXPLORATION

UF PLANETARY EXPLORATION  
 GS EXPLORATION  
 . SPACE EXPLORATION  
 RT AEROSPACE ENVIRONMENTS  
 ASTEROID MISSIONS  
 ASTRODYNAMICS  
 ∞ ASTRONAUTICS  
 BIOASTRONAUTICS  
 EXTRATERRESTRIAL ENVIRONMENTS  
 EXTRATERRESTRIAL RESOURCES  
 FRENCH SPACE PROGRAMS  
 GULLIVER PROGRAM  
 INTERPLANETARY FLIGHT  
 INTERPLANETARY SPACECRAFT  
 INTERSTELLAR SPACECRAFT  
 JUPITER RINGS  
 LUNAR EXPLORATION  
 MAGELLAN PROJECT (NASA)  
 MANNED MARS MISSIONS  
 MANNED SPACE FLIGHT  
 MARS 69 PROJECT  
 MARS 71 PROJECT  
 PLANETARY BASES  
 PLANETARY COMPOSITION  
 PLANETARY GEOLOGY  
 SOLAR MAXIMUM MISSION-A  
 TOPS (SPACECRAFT)  
 VIKING LANDER SPACECRAFT  
 VIKING LANDER 1  
 VIKING LANDER 2  
 VIKING MARS PROGRAM  
 VIKING ORBITER SPACECRAFT  
 VIKING ORBITER 1  
 VIKING ORBITER 2  
 VIKING 1 SPACECRAFT  
 VIKING 2 SPACECRAFT

### SPACE FLIGHT

GS SPACE FLIGHT  
 . INTERPLANETARY FLIGHT  
 . INTERSTELLAR TRAVEL  
 . LONG DURATION SPACE FLIGHT  
 . LUNAR FLIGHT  
 . MANNED SPACE FLIGHT  
 . . APOLLO FLIGHTS  
 . . . APOLLO 5 FLIGHT  
 . . . APOLLO 6 FLIGHT  
 . . . APOLLO 7 FLIGHT  
 . . . APOLLO 8 FLIGHT  
 . . . APOLLO 9 FLIGHT  
 . . . APOLLO 10 FLIGHT  
 . . . APOLLO 11 FLIGHT  
 . . . APOLLO 12 FLIGHT  
 . . . APOLLO 13 FLIGHT  
 . . . APOLLO 14 FLIGHT  
 . . . APOLLO 15 FLIGHT  
 . . . APOLLO 16 FLIGHT  
 . . . APOLLO 17 FLIGHT  
 . . GEMINI FLIGHTS  
 . . . GEMINI 3 FLIGHT  
 . . . GEMINI 4 FLIGHT

## SPACE FLIGHT-(CONT.)

. . . GEMINI 5 FLIGHT  
 . . . GEMINI 6 FLIGHT  
 . . . GEMINI 7 FLIGHT  
 . . . GEMINI 8 FLIGHT  
 . . . GEMINI 9 FLIGHT  
 . . . GEMINI 10 FLIGHT  
 . . . GEMINI 11 FLIGHT  
 . . . GEMINI 12 FLIGHT  
 . . MANNED REENTRY  
 . . MERCURY FLIGHTS  
 . . . MERCURY MA-1 FLIGHT  
 . . . MERCURY MA-2 FLIGHT  
 . . . MERCURY MA-3 FLIGHT  
 . . . MERCURY MA-4 FLIGHT  
 . . . MERCURY MA-5 FLIGHT  
 . . . MERCURY MA-6 FLIGHT  
 . . . MERCURY MA-7 FLIGHT  
 . . . MERCURY MA-8 FLIGHT  
 . . . MERCURY MA-9 FLIGHT  
 . . . MERCURY MR-1 FLIGHT  
 . . . MERCURY MR-2 FLIGHT  
 . . . MERCURY MR-3 FLIGHT  
 . . . MERCURY MR-4 FLIGHT  
 . . SPACE SHUTTLE MISSIONS  
 . . . SPACE SHUTTLE MISSION 31-A  
 . . . SPACE SHUTTLE MISSION 31-B  
 . . . SPACE SHUTTLE MISSION 31-C  
 . . . SPACE SHUTTLE MISSION 31-D  
 . . . SPACE SHUTTLE MISSION 41-A  
 . . . SPACE SHUTTLE MISSION 41-B  
 . . . SPACE SHUTTLE MISSION 41-C  
 . . . SPACE SHUTTLE MISSION 41-D  
 . . . SPACE SHUTTLE MISSION 41-G  
 . . . SPACE SHUTTLE MISSION 51-A  
 . . . SPACE SHUTTLE MISSION 51-B  
 . . . SPACE SHUTTLE MISSION 51-C  
 . . . SPACE SHUTTLE MISSION 51-D  
 . . . SPACE SHUTTLE MISSION 51-E  
 . . . SPACE SHUTTLE MISSION 51-F  
 . . . SPACE SHUTTLE MISSION 51-G  
 . . . SPACE SHUTTLE MISSION 51-H  
 . . . SPACE SHUTTLE MISSION 51-I  
 . . . SPACE SHUTTLE MISSION 51-J  
 . . . SPACE SHUTTLE MISSION 51-L  
 . . . SPACE SHUTTLE MISSION 61-A  
 . . . SPACE SHUTTLE MISSION 61-B  
 . . . SPACE SHUTTLE MISSION 61-C  
 . . . SPACE SHUTTLE MISSION 61-E  
 . . RETURN TO EARTH SPACE FLIGHT  
 RT AEROSPACE ENVIRONMENTS  
 APOLLO SOYUZ TEST PROJECT  
 ASCENT PROPULSION SYSTEMS  
 ASTRODYNAMICS  
 ∞ ASTRONAUTICS  
 ATMOSPHERIC ENTRY  
 AUXILIARY PROPULSION  
 BIOASTRONAUTICS  
 CELESTIAL BODIES  
 EXPEDITIONS  
 EXPLORATION  
 EXTRAVEHICULAR ACTIVITY  
 ∞ FLIGHT  
 FLIGHT MECHANICS  
 FLIGHT OPTIMIZATION  
 FLIGHT SIMULATION  
 FLYBY MISSIONS  
 GRAND TOURS  
 MARINER JUPITER-SATURN FLYBY  
 MARINER JUPITER-URANUS FLYBY  
 METEOROLOGICAL FLIGHT  
 ∞ MISSIONS  
 ORBITS  
 PHYSICS AND CHEMISTRY EXPERIMENT IN SPACE  
 POINTING CONTROL SYSTEMS  
 PROPULSION  
 REENTRY  
 ROCKET FLIGHT  
 ∞ ROCKETS  
 SOLAR SAILS  
 SPACE TRANSPORTATION SYSTEM FLIGHTS  
 SPACECRAFT GUIDANCE  
 SPACECRAFT MANEUVERS  
 SPACECRAFT PROPULSION  
 SUBORBITAL FLIGHT  
 TRAJECTORIES  
 VIKING LANDER SPACECRAFT  
 VIKING LANDER 1  
 VIKING LANDER 2  
 VIKING ORBITER SPACECRAFT  
 VIKING ORBITER 1  
 VIKING ORBITER 2  
 VIKING 1 SPACECRAFT  
 VIKING 2 SPACECRAFT

## SPACE OBSERVATIONS (FROM EARTH)

### SPACE FLIGHT FEEDING

RT CONSUMABLES (SPACECREW SUPPLIES)  
DEHYDRATED FOOD  
DIETS  
EATING  
∞ FOOD  
FOOD INTAKE  
FOOD PRODUCTION (IN SPACE)  
LIFE SUPPORT SYSTEMS  
NUTRITION  
NUTRITIONAL REQUIREMENTS  
WASTE DISPOSAL

### SPACE FLIGHT STRESS

GS FLIGHT STRESS (BIOLOGY)  
SPACE FLIGHT STRESS  
RT BOREDOM  
∞ FLIGHT STRESS  
GRAVITATIONAL PHYSIOLOGY  
LOWER BODY NEGATIVE PRESSURE  
MANNED SPACE FLIGHT  
SPACE ADAPTATION SYNDROME  
SPACE PSYCHOLOGY  
STRESS (PHYSIOLOGY)  
STRESS (PSYCHOLOGY)  
WEIGHTLESSNESS

### SPACE FLIGHT TRACKING AND DATA NETWORK

GS TRACKING NETWORKS  
SPACE FLIGHT TRACKING AND DATA NETWORK  
RT ∞ DATA  
DATA ACQUISITION  
GLOBAL TRACKING NETWORK  
GROUND STATIONS  
SATELLITE TRACKING  
STATIONS  
STDN (NETWORK)  
TRACKING STATIONS

### SPACE FLIGHT TRAINING

GS EDUCATION  
FLIGHT TRAINING  
SPACE FLIGHT TRAINING  
RT ASTRONAUT TRAINING  
PILOT TRAINING  
SPACECRAFT CABIN SIMULATORS  
TRAINING SIMULATORS

### SPACE GLIDERS

USE LIFTING REENTRY VEHICLES

### SPACE GLOSSARIES

RT BIBLIOGRAPHIES  
DICTIONARIES  
DOCUMENTATION  
INDEXES (DOCUMENTATION)  
INFORMATION RETRIEVAL  
THESAURI

### SPACE HABITATS

RT AEROSPACE ENVIRONMENTS  
CLOSED ECOLOGICAL SYSTEMS  
LIFE SUPPORT SYSTEMS  
SPACE COLONIES  
SPACE STATIONS  
SPACECREWS

### SPACE HEATING (BUILDINGS)

GS HEATING  
SPACE HEATING (BUILDINGS)  
RT AIR CONDITIONING  
ENVIRONMENTAL ENGINEERING  
HEATING EQUIPMENT  
RESIDENTIAL ENERGY  
SOLAR ATRIUMS  
SOLAR HEATING  
SOLAR HOUSES  
TEMPERATURE CONTROL  
WASTE ENERGY UTILIZATION

### SPACE INDUSTRIALIZATION

GS SPACE INDUSTRIALIZATION  
SPACE MANUFACTURING  
SPACE PROCESSING  
RT COMMERCIAL SPACECRAFT  
ECONOMIC DEVELOPMENT  
ENERGY CONVERSION  
INDUSTRIES  
MANUFACTURING  
∞ PROCESSES  
PRODUCT DEVELOPMENT  
PRODUCTS  
RESEARCH FACILITIES  
SPACE COMMERCIALIZATION

### SPACE INFRARED TELESCOPE FACILITY

UF SIRT  
GS ARTIFICIAL SATELLITES  
SCIENTIFIC SATELLITES  
ASTRONOMICAL SATELLITES  
SPACE INFRARED TELESCOPE FACILITY  
OBSERVATORIES  
ASTRONOMICAL OBSERVATORIES  
ASTRONOMICAL SATELLITES  
SPACE INFRARED TELESCOPE FACILITY  
TELESCOPES  
INFRARED TELESCOPES  
SPACE INFRARED TELESCOPE FACILITY  
SPACEBORNE TELESCOPES  
SPACE INFRARED TELESCOPE FACILITY  
RT INFRARED ASTRONOMY  
SPACEBORNE ASTRONOMY

### SPACE LABORATORIES

GS LABORATORIES  
SPACE LABORATORIES  
ADVANCED TECHNOLOGY LABORATORY  
ATMOSPHERIC CLOUD PHYSICS LAB (SPACELAB)  
EARTH VIEWING APPLICATIONS LABORATORY  
LONG DURATION EXPOSURE FACILITY  
MANNED ORBITAL LABORATORIES  
SKYLAB 1  
SKYLAB 2  
SKYLAB 3  
SKYLAB 4  
SPACELAB  
RT ∞ AEROSPACE SCIENCES  
ARTIFICIAL SATELLITES  
GEOPHYSICAL SATELLITES  
MIR SPACE STATION  
ORBITAL WORKSHOPS  
RESEARCH FACILITIES  
RESEARCH VEHICLES  
SAIL PROJECT  
SALYUT SPACE STATION  
SORTIE SYSTEMS  
SPACE STATIONS  
SPACEBORNE EXPERIMENTS  
∞ SPACECRAFT

### SPACE LAW

GS LAW (JURISPRUDENCE)  
INTERNATIONAL LAW  
SPACE LAW  
RT AIR LAW  
DIRECT BROADCAST SATELLITES  
INSURANCE (CONTRACTS)  
OUTER SPACE TREATY  
SABOTAGE

### SPACE LOGISTICS

GS LOGISTICS  
SPACE LOGISTICS  
RT CONSUMABLES (SPACECRAFT)  
CONSUMABLES (SPACECREW SUPPLIES)  
EXTRATERRESTRIAL RESOURCES  
MANNED SPACE FLIGHT  
SPACECRAFT CABIN SIMULATORS  
SPACECREW TRANSFER  
STOWAGE (ONBOARD EQUIPMENT)

### SPACE MAINTENANCE

GS MAINTENANCE  
SPACE MAINTENANCE  
RT ASTRONAUT TRAINING  
ASTRONAUTICS  
EXTRAVEHICULAR ACTIVITY  
ORBITAL WORKERS  
PAYLOAD TRANSFER  
REMOTE MANIPULATOR SYSTEM

### SPACE MANUFACTURING

GS FABRICATION  
SPACE MANUFACTURING  
MANUFACTURING  
SPACE MANUFACTURING  
SPACE INDUSTRIALIZATION  
SPACE MANUFACTURING  
RT AEROSPACE ENVIRONMENTS  
ASSEMBLING  
COMMERCIAL SPACECRAFT  
CONSTRUCTION

### SPACE MANUFACTURING-(CONT.)

HIGH VACUUM INDUSTRIES  
LEVITATION MELTING  
LOW GRAVITY MANUFACTURING  
∞ MICROGRAVITY APPLICATIONS  
SPACE COMMERCIALIZATION  
SPACE PROCESSING  
SPACEBORNE EXPERIMENTS  
TECHNOLOGIES  
VACUUM EFFECTS  
WEIGHTLESSNESS

### SPACE MECHANICS

GS CLASSICAL MECHANICS  
SPACE MECHANICS  
ASTRODYNAMICS  
CELESTIAL MECHANICS  
ORBITAL MECHANICS  
KEPLER LAWS  
MINIMUM VARIANCE ORBIT DETERMINATION  
RT FLIGHT MECHANICS  
MAGNETOHYDRODYNAMICS  
ORBITAL SPACE TESTS  
QUADRATURES

### SPACE MISSIONS

GS SPACE MISSIONS  
FLYBY MISSIONS  
ASTEROID MISSIONS  
GIOTTO MISSION  
GRAND TOURS  
MARINER JUPITER-SATURN FLYBY  
MARINER JUPITER-URANUS FLYBY  
VOYAGER 1977 MISSION  
MARINER VENUS-MERCURY 1973  
MARINER-MERCURY 1973  
MANNED MARS MISSIONS  
SOLAR MAXIMUM MISSION  
SOLAR MAXIMUM MISSION-A  
STARPROBE MISSION  
ULYSSES MISSION  
RT APOLLO SOYUZ TEST PROJECT  
CHINESE SPACE PROGRAM  
EARTH-VENUS TRAJECTORIES  
EUROPEAN SPACE PROGRAMS  
FRENCH SPACE PROGRAMS  
INDIAN SPACE PROGRAM  
JAPANESE SPACE PROGRAM  
MAGELLAN PROJECT (NASA)  
∞ MISSIONS  
SKYLAB 1  
SKYLAB 2  
SKYLAB 3  
SKYLAB 4  
SPACE SHUTTLE MISSIONS  
∞ SPACECRAFT  
TOPS (SPACECRAFT)

### SPACE NAVIGATION

GS NAVIGATION  
SPACE NAVIGATION  
INTERPLANETARY NAVIGATION  
RT AIR NAVIGATION  
ASTRODYNAMICS  
∞ ASTRONAUTICS  
ASTRONAVIGATION  
AUTONOMOUS NAVIGATION  
CELESTIAL NAVIGATION  
DIGITAL NAVIGATION  
EARTH-VENUS TRAJECTORIES  
GLOBAL POSITIONING SYSTEM  
INERTIAL NAVIGATION  
INTERPLANETARY FLIGHT  
INTERPLANETARY TRAJECTORIES  
MANNED SPACECRAFT  
ORBITAL MANEUVERS  
ORBITAL MECHANICS  
ORBITS  
RADAR NAVIGATION  
RADIO NAVIGATION  
REFERENCE STARS  
SATELLITE GUIDANCE  
SATELLITE NAVIGATION SYSTEMS  
SPACECRAFT GUIDANCE  
SPACECRAFT POSITION INDICATORS  
STANDARDIZED SPACE GUIDANCE

### SPACE OBSERVATIONS (FROM EARTH)

GS OBSERVATION  
SPACE OBSERVATIONS (FROM EARTH)  
RT DETECTION  
RADIO OBSERVATION



## SPACE OPERATIONS CENTER (NASA)

**SPACE OBSERVATIONS (FROM EARTH)-(CONT.)**  
 RECONNAISSANCE  
 SPACE SURVEILLANCE (GROUND  
 BASED)  
 VISUAL OBSERVATION

### SPACE OPERATIONS CENTER (NASA)

GS ARTIFICIAL SATELLITES  
 . SPACE STATIONS  
 . **SPACE OPERATIONS CENTER (NASA)**  
 MANNED SPACECRAFT  
 . **SPACE OPERATIONS CENTER (NASA)**  
 STATIONS  
 . SPACE STATIONS  
 . **SPACE OPERATIONS CENTER (NASA)**  
 RT LARGE SPACE STRUCTURES  
 ORBITAL ASSEMBLY  
 ORBITAL SERVICING

### ∞ SPACE ORIENTATION

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED-CONSULT THE TERMS  
 LISTED BELOW)*  
 RT ATTITUDE (INCLINATION)  
 BEARING (DIRECTION)  
 VERTICAL PERCEPTION  
 VISUAL PERCEPTION

### SPACE PERCEPTION

UF DEPTH PERCEPTION  
 DISTANCE PERCEPTION  
 FORM PERCEPTION  
 SLANT PERCEPTION  
 GS PERCEPTION  
 . SENSORY PERCEPTION  
 . VISUAL PERCEPTION  
 . **SPACE PERCEPTION**  
 . . . . . AUTOKINESIS  
 RT BINOCULAR VISION  
 MONOCULAR VISION  
 PERIPHERAL VISION  
 RANGE FINDERS  
 SOUND LOCALIZATION  
 VISUAL FIELDS

### SPACE PHOTOGRAPHY

USE SPACEBORNE PHOTOGRAPHY

### SPACE PLASMA H/V INTERACTION EXPERIMENTS

USE SPHINX

### SPACE PLASMAS

GS PARTICLES  
 . CHARGED PARTICLES  
 . . . . . ENERGETIC PARTICLES  
 . . . . . PLASMAS (PHYSICS)  
 . . . . . **SPACE PLASMAS**  
 . . . . . SOLAR WIND  
 . . . . . STELLAR WINDS  
 RT AMPTE (SATELLITES)  
 EARTH MAGNETOSPHERE  
 GEOMAGNETISM  
 IONOPAUSE  
 MAGNETIC FIELD RECONNECTION  
 MAGNETOHYDRODYNAMIC STABILITY  
 MAGNETOHYDRODYNAMICS  
 OPEN PROJECT  
 PLASMA DENSITY  
 PLASMA DIAGNOSTICS  
 PLASMA INTERACTIONS  
 PLASMA LAYERS  
 PLASMA PHYSICS  
 PLASMA WAVES  
 PLASMA-ELECTROMAGNETIC  
 INTERACTION  
 POLAR CUSPS  
 SPHINX

### SPACE PLATFORMS

GS **SPACE PLATFORMS**  
 . COLUMBUS SPACE STATION  
 . EURECA (ESA)  
 . LONG DURATION EXPOSURE FACILITY  
 . SPACE STATION POLAR PLATFORMS  
 . SYNCHRONOUS PLATFORMS  
 RT EARTH OBSERVING SYSTEM (EOS)  
 INTRAORBIT TRANSFER VEHICLES  
 ORBITAL SERVICING  
 ∞ PLATFORMS  
 . SHAPE CONTROL  
 . SPACE STATIONS

### SPACE POWER REACTORS

GS AUXILIARY POWER SOURCES

### SPACE POWER REACTORS-(CONT.)

. NUCLEAR AUXILIARY POWER UNITS  
 . **SPACE POWER REACTORS**  
 . . . . . FISSION ELECTRIC CELLS  
 . . . . . SNAP 2  
 . . . . . SNAP 4  
 . . . . . SNAP 8  
 . . . . . SNAP 10A  
 . . . . . SNAP 50  
 . . . . . SPACE POWER UNIT REACTORS  
 NUCLEAR ELECTRIC POWER  
 GENERATION  
 . NUCLEAR AUXILIARY POWER UNITS  
 . **SPACE POWER REACTORS**  
 . . . . . FISSION ELECTRIC CELLS  
 . . . . . SNAP 2  
 . . . . . SNAP 4  
 . . . . . SNAP 8  
 . . . . . SNAP 10A  
 . . . . . SNAP 50  
 . . . . . SPACE POWER UNIT REACTORS  
 NUCLEAR POWER REACTORS  
 . **SPACE POWER REACTORS**  
 . . . . . FISSION ELECTRIC CELLS  
 . . . . . SNAP 2  
 . . . . . SNAP 4  
 . . . . . SNAP 8  
 . . . . . SNAP 10A  
 . . . . . SPACE POWER UNIT REACTORS  
 NUCLEAR REACTORS  
 . NUCLEAR POWER REACTORS  
 . **SPACE POWER REACTORS**  
 . . . . . FISSION ELECTRIC CELLS  
 . . . . . SNAP 2  
 . . . . . SNAP 4  
 . . . . . SNAP 8  
 . . . . . SNAP 10A  
 . . . . . SPACE POWER UNIT REACTORS  
 RT HEAT EXCHANGERS  
 SPACE STATION POWER SUPPLIES  
 TURBOGENERATORS

### SPACE POWER UNIT REACTORS

UF SPUR (REACTORS)  
 GS AUXILIARY POWER SOURCES  
 . NUCLEAR AUXILIARY POWER UNITS  
 . **SPACE POWER REACTORS**  
 . . . . . **SPACE POWER UNIT REACTORS**  
 NUCLEAR ELECTRIC POWER  
 GENERATION  
 . NUCLEAR AUXILIARY POWER UNITS  
 . **SPACE POWER UNIT REACTORS**  
 NUCLEAR POWER REACTORS  
 . **SPACE POWER UNIT REACTORS**  
 NUCLEAR REACTORS  
 . NUCLEAR POWER REACTORS  
 . **SPACE POWER UNIT REACTORS**  
 RT FISSION ELECTRIC CELLS  
 HEAT EXCHANGERS  
 SNAP  
 SNAP 2  
 SNAP 4  
 SNAP 8  
 SNAP 50  
 TURBOGENERATORS

### SPACE PROBES

GS UNMANNED SPACECRAFT  
 . **SPACE PROBES**  
 . . . . . EXPLORER 18 SATELLITE  
 . . . . . GIOTTO MISSION  
 . . . . . JUPITER PROBES  
 . . . . . GALILEO PROBE  
 . . . . . GALILEO SPACECRAFT  
 . . . . . LUNAR PROBES  
 . . . . . LUNIK LUNAR PROBES  
 . . . . . LUNIK 2 LUNAR PROBE  
 . . . . . LUNIK 3 LUNAR PROBE  
 . . . . . LUNIK 9 LUNAR PROBE  
 . . . . . LUNIK 10 LUNAR PROBE  
 . . . . . LUNIK 11 LUNAR PROBE  
 . . . . . LUNIK 12 LUNAR PROBE  
 . . . . . LUNIK 13 LUNAR PROBE  
 . . . . . LUNIK 14 LUNAR PROBE  
 . . . . . LUNIK 16 LUNAR PROBE  
 . . . . . LUNIK 17 LUNAR PROBE  
 . . . . . LUNIK 19 LUNAR PROBE  
 . . . . . LUNIK 20 LUNAR PROBE  
 . . . . . LUNIK 22 LUNAR PROBE  
 . . . . . RANGER LUNAR PROBES  
 . . . . . RANGER LUNAR LANDING  
 . . . . . VEHICLES

### SPACE PROBES-(CONT.)

. . . . . RANGER 1 LUNAR PROBE  
 . . . . . RANGER 2 LUNAR PROBE  
 . . . . . RANGER 3 LUNAR PROBE  
 . . . . . RANGER 4 LUNAR PROBE  
 . . . . . RANGER 5 LUNAR PROBE  
 . . . . . RANGER 6 LUNAR PROBE  
 . . . . . RANGER 7 LUNAR PROBE  
 . . . . . RANGER 8 LUNAR PROBE  
 . . . . . RANGER 9 LUNAR PROBE  
 . . . . . SURVEYOR LUNAR PROBES  
 . . . . . SURVEYOR 1 LUNAR PROBE  
 . . . . . SURVEYOR 2 LUNAR PROBE  
 . . . . . SURVEYOR 3 LUNAR PROBE  
 . . . . . SURVEYOR 4 LUNAR PROBE  
 . . . . . SURVEYOR 5 LUNAR PROBE  
 . . . . . SURVEYOR 6 LUNAR PROBE  
 . . . . . SURVEYOR 7 LUNAR PROBE  
 . . . . . MARINER SPACE PROBES  
 . . . . . MARINER R 2 SPACE PROBE  
 . . . . . MARINER 1 SPACE PROBE  
 . . . . . MARINER 2 SPACE PROBE  
 . . . . . MARINER 3 SPACE PROBE  
 . . . . . MARINER 4 SPACE PROBE  
 . . . . . MARINER 5 SPACE PROBE  
 . . . . . MARINER 6 SPACE PROBE  
 . . . . . MARINER 7 SPACE PROBE  
 . . . . . MARINER 8 SPACE PROBE  
 . . . . . MARINER 9 SPACE PROBE  
 . . . . . MARINER 10 SPACE PROBE  
 . . . . . MARINER 11 SPACE PROBE  
 . . . . . MARINER SPACECRAFT  
 . . . . . MARINER C SPACECRAFT  
 . . . . . MARINER VENUS 67 SPACECRAFT  
 . . . . . MARS PROBES  
 . . . . . ADVANCED RECONN ELECTRIC  
 . . . . . SPACECRAFT  
 . . . . . MARINER 3 SPACE PROBE  
 . . . . . MARINER 4 SPACE PROBE  
 . . . . . MARINER 6 SPACE PROBE  
 . . . . . MARINER 7 SPACE PROBE  
 . . . . . MARINER 8 SPACE PROBE  
 . . . . . MARINER 9 SPACE PROBE  
 . . . . . MARS OBSERVER  
 . . . . . MARS 1 SPACECRAFT  
 . . . . . MARS 2 SPACECRAFT  
 . . . . . MARS 3 SPACECRAFT  
 . . . . . MARS 4 SPACECRAFT  
 . . . . . MARS 5 SPACECRAFT  
 . . . . . MARS 6 SPACECRAFT  
 . . . . . MARS 7 SPACECRAFT  
 . . . . . VIKING SPACECRAFT  
 . . . . . VIKING LANDER SPACECRAFT  
 . . . . . VIKING LANDER 1  
 . . . . . VIKING LANDER 2  
 . . . . . VIKING ORBITER SPACECRAFT  
 . . . . . VIKING ORBITER 1  
 . . . . . VIKING ORBITER 2  
 . . . . . VIKING ORBITER 1975  
 . . . . . VIKING 1 SPACECRAFT  
 . . . . . VIKING LANDER 1  
 . . . . . VIKING ORBITER 1  
 . . . . . VIKING 2 SPACECRAFT  
 . . . . . VIKING LANDER 2  
 . . . . . VIKING ORBITER 2  
 . . . . . ZOND 2 SPACE PROBE  
 . . . . . PIONEER SPACE PROBES  
 . . . . . PIONEER VENUS 2 ENTRY PROBES  
 . . . . . PIONEER VENUS 2 NIGHT PROBE  
 . . . . . PIONEER VENUS 2 SOUNDER  
 . . . . . PROBE  
 . . . . . PIONEER 1 SPACE PROBE  
 . . . . . PIONEER 2 SPACE PROBE  
 . . . . . PIONEER 3 SPACE PROBE  
 . . . . . PIONEER 4 SPACE PROBE  
 . . . . . PIONEER 5 SPACE PROBE  
 . . . . . PIONEER 6 SPACE PROBE  
 . . . . . PIONEER 7 SPACE PROBE  
 . . . . . PIONEER 8 SPACE PROBE  
 . . . . . PIONEER 9 SPACE PROBE  
 . . . . . PIONEER 10 SPACE PROBE  
 . . . . . PIONEER 11 SPACE PROBE  
 . . . . . SOLAR PROBES  
 . . . . . HELIOS A  
 . . . . . HELIOS B  
 . . . . . HELIOS 1  
 . . . . . HELIOS 2  
 . . . . . STARPROBE SPACECRAFT  
 . . . . . SUNBLAZER SPACE PROBE  
 . . . . . VENUS PROBES  
 . . . . . MAGELLAN SPACECRAFT (NASA)  
 . . . . . MARINER 1 SPACE PROBE  
 . . . . . MARINER 2 SPACE PROBE  
 . . . . . MARINER 5 SPACE PROBE  
 . . . . . MARINER 10 SPACE PROBE  
 . . . . . VENERA SATELLITES

## SPACE SHUTTLE MISSION 41-B

### SPACE PROBES-(CONT.)

... VENERA 2 SATELLITE  
... VENERA 3 SATELLITE  
... VENERA 4 SATELLITE  
... VENERA 5 SATELLITE  
... VENERA 6 SATELLITE  
... VENERA 7 SATELLITE  
... VENERA 8 SATELLITE  
... VENERA 9 SATELLITE  
... VENERA 10 SATELLITE  
... VENERA 11 SATELLITE  
... VENERA 12 SATELLITE  
... ZOND 1 SPACE PROBE  
... ZOND 3 SPACE PROBE  
... ZOND 4 SPACE PROBE  
... ZOND 5 SPACE PROBE  
... ZOND 6 SPACE PROBE  
... ZOND 7 SPACE PROBE  
... ZOND 8 SPACE PROBE  
... VOYAGER 1 SPACECRAFT  
... VOYAGER 2 SPACECRAFT  
RT ATLAS ABL 5 LAUNCH VEHICLE  
INTERPLANETARY SPACECRAFT  
MAGNETIC PROBES  
MANEUVERABLE SPACECRAFT  
MARINER PROGRAM  
METEOROLOGICAL SATELLITES  
PIONEER PROJECT  
PIONEER VENUS SPACECRAFT  
PIONEER VENUS 1 SPACECRAFT  
∞ PROBES  
RADIO OCCULTATION  
SATELLITE TELEVISION  
VOYAGER PROJECT  
VOYAGER 1977 MISSION

### SPACE PROCESSING

GS SPACE INDUSTRIALIZATION  
... SPACE PROCESSING  
RT ACOUSTIC LEVITATION  
BIOPROCESSING  
COMMERCIAL SPACECRAFT  
CONTAINERLESS MELTS  
CRYSTAL GROWTH  
ELECTRIC FURNACES  
FLOAT ZONES  
LEVITATION MELTING  
LOW GRAVITY MANUFACTURING  
MARANGONI CONVECTION  
∞ MICROGRAVITY APPLICATIONS  
MISCIBILITY GAP  
ORBITAL WORKSHOPS  
SINGLE CRYSTALS  
SPACE COMMERCIALIZATION  
SPACE MANUFACTURING  
SPACEBORNE EXPERIMENTS  
ULTRAPURE METALS

### SPACE PROCESSING APPLICATIONS ROCKET

UF SPAR (ROCKET)  
RT LAUNCH VEHICLES  
METAL FOAMS  
PAYLOADS  
ROCKET VEHICLES  
WEIGHTLESSNESS

### SPACE PROGRAMS

GS PROGRAMS  
... SPACE PROGRAMS  
... BRAZILIAN SPACE PROGRAM  
... CANADIAN SPACE PROGRAM  
... ALOUETTE PROJECT  
... CHINESE SPACE PROGRAM  
... EUROPEAN SPACE PROGRAMS  
... FRENCH SPACE PROGRAMS  
... GEOGRAPHIC APPLICATIONS  
PROGRAM  
... INDIAN SPACE PROGRAM  
... INDONESIAN SPACE PROGRAM  
... ITALIAN SPACE PROGRAM  
... JAPANESE SPACE PROGRAM  
... NASA SPACE PROGRAMS  
... APOLLO APPLICATIONS PROGRAM  
... APOLLO PROJECT  
... BIOASTRONAUTICAL ORBITAL  
SPACE SYSTEM  
... CENTAUR PROJECT  
... EARTH & OCEAN PHYSICS  
APPLICATIONS PROGRAM  
... EARTH RESOURCES PROGRAM  
... EARTH RESOURCES SURVEY  
PROGRAM  
... SEASAT PROGRAM  
... ECHO PROJECT  
... GALILEO PROJECT

### SPACE PROGRAMS-(CONT.)

... GEMINI PROJECT  
... HELIOS PROJECT  
... JUPITER PROJECT  
... MAGELLAN PROJECT (NASA)  
... MARINER PROGRAM  
... MARINER VENUS-MERCURY 1973  
... MARINER-MERCURY 1973  
... MARS 69 PROJECT  
... MARS 71 PROJECT  
... MERCURY PROJECT  
... NATIONAL LAUNCH VEHICLE  
PROGRAM  
... NEW MOONS PROJECT  
... NIMBUS PROJECT  
... OPEN PROJECT  
... PIONEER PROJECT  
... PROJECT SETI  
... RANGER PROJECT  
... AGENA B RANGER PROGRAM  
... ROVER PROJECT  
... SAIL PROJECT  
... SATURN PROJECT  
... SCOUT PROJECT  
... SKYLAB PROGRAM  
... STARPROBE MISSION  
... SURVEYOR PROJECT  
... SYNCHRONOUS COMMUNICATIONS  
SATELLITE PROJ  
... TEKITE PROJECT  
... TIROS PROJECT  
... TITAN PROJECT  
... VANGUARD PROJECT  
... VIKING MARS PROGRAM  
... VOYAGER PROJECT  
... SAUDI ARABIAN SPACE PROGRAM  
... SWEDISH SPACE PROGRAM  
... SWISS SPACE PROGRAM  
... U.S.S.R. SPACE PROGRAM  
... UK SPACE PROGRAM  
RT APOLLO SOYUZ TEST PROJECT  
EUROPEAN SPACE AGENCY  
ISRO  
MANNED SPACE FLIGHT  
NASA PROGRAMS  
∞ RESEARCH PROJECTS  
SOLAR MAXIMUM MISSION

### SPACE PSYCHOLOGY

GS AEROSPACE MEDICINE  
... SPACE PSYCHOLOGY  
PSYCHOLOGY  
RT ... SPACE PSYCHOLOGY  
ASTRONAUT PERFORMANCE  
ASTRONAUT TRAINING  
AVIATION PSYCHOLOGY  
MANNED SPACE FLIGHT  
MILITARY PSYCHOLOGY  
PSYCHOLOGICAL EFFECTS  
PSYCHOLOGICAL FACTORS  
SOCIAL FACTORS  
SPACE ADAPTATION SYNDROME  
SPACE FLIGHT STRESS  
STRESS (PSYCHOLOGY)

### SPACE RADIATION

USE EXTRATERRESTRIAL RADIATION

### SPACE RADIATORS

USE SPACECRAFT RADIATORS

### SPACE RATIONS

GS CONSUMABLES (SPACECREW SUPPLIES)  
... SPACE RATIONS  
RATIONS  
RT ∞ SPACE RATIONS  
FOOD PRODUCTION (IN SPACE)  
PROVISIONING  
STOWAGE (ONBOARD EQUIPMENT)

### SPACE RENDEZVOUS

UF SPACECRAFT RENDEZVOUS  
GS RENDEZVOUS  
... SPACE RENDEZVOUS  
... ORBITAL RENDEZVOUS  
... EARTH ORBITAL RENDEZVOUS  
... LUNAR ORBITAL RENDEZVOUS  
RT APOLLO SOYUZ TEST PROJECT  
RENDEZVOUS TRAJECTORIES  
SPACECRAFT DOCKING  
TRANSFER ORBITS

### SPACE SCIENCES

USE AEROSPACE SCIENCES

### SPACE SELF MANEUVERING UNITS

USE SELF MANEUVERING UNITS

### SPACE SHUTTLE ASCENT STAGE

GS SPACECRAFT CONFIGURATIONS  
... SPACE SHUTTLE ASCENT STAGE  
RT ASCENT PROPULSION SYSTEMS  
EXTERNAL TANKS  
SPACE SHUTTLE BOOSTERS  
SPACE SHUTTLE ORBITERS  
SPACE SHUTTLE UPPER STAGES  
SPACE SHUTTLES  
STAGE SEPARATION

### SPACE SHUTTLE BOOSTERS

UF SHUTTLE BOOSTERS  
SOLID ROCKET BOOSTERS (SPACE  
SHUTTLE)  
SPACE SHUTTLE SOLID ROCKET  
MOTORS  
SRB (SOLID ROCKET BOOSTERS)  
GS ENGINES  
... ROCKET ENGINES  
... BOOSTER ROCKET ENGINES  
... SPACE SHUTTLE BOOSTERS  
... SOLID PROPELLANT ROCKET  
ENGINES  
... SPACE SHUTTLE BOOSTERS  
RT ∞ BOOSTERS  
MANNED SPACECRAFT  
O RING SEALS  
REUSABLE SPACECRAFT  
SPACE SHUTTLE ASCENT STAGE

### SPACE SHUTTLE MAIN ENGINE

GS ENGINES  
... ROCKET ENGINES  
... LIQUID PROPELLANT ROCKET  
ENGINES  
... SPACE SHUTTLE MAIN ENGINE  
RT PROPULSION  
SPACE TRANSPORTATION SYSTEM  
SPACE TRANSPORTATION SYSTEM  
FLIGHTS

### SPACE SHUTTLE MISSION 31-A

UF STS-5  
GS SPACE FLIGHT  
... MANNED SPACE FLIGHT  
... SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 31-A  
RT COLUMBIA (ORBITER)

### SPACE SHUTTLE MISSION 31-B

UF STS-6  
GS SPACE FLIGHT  
... MANNED SPACE FLIGHT  
... SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 31-B  
RT CHALLENGER (ORBITER)

### SPACE SHUTTLE MISSION 31-C

UF SPACE SHUTTLE ORBITAL FLIGHT 7  
STS-7  
GS SPACE FLIGHT  
... MANNED SPACE FLIGHT  
... SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 31-C  
RT CHALLENGER (ORBITER)

### SPACE SHUTTLE MISSION 31-D

UF SPACE SHUTTLE ORBITAL FLIGHT 8  
STS-8  
GS SPACE FLIGHT  
... MANNED SPACE FLIGHT  
... SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 31-D  
RT CHALLENGER (ORBITER)

### SPACE SHUTTLE MISSION 41-A

UF SPACE SHUTTLE ORBITAL FLIGHT 9  
STS-9  
GS SPACE FLIGHT  
... MANNED SPACE FLIGHT  
... SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 41-A  
RT COLUMBIA (ORBITER)

### SPACE SHUTTLE MISSION 41-B

UF STS-11  
GS SPACE FLIGHT  
... MANNED SPACE FLIGHT  
... SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 41-B

## SPACE SHUTTLE MISSION 41-C

SPACE SHUTTLE MISSION 41-B-(CONT.)  
RT CHALLENGER (ORBITER)

SPACE SHUTTLE MISSION 41-C  
UF STS-13  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 41-C  
RT CHALLENGER (ORBITER)

SPACE SHUTTLE MISSION 41-D  
UF STS-14  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 41-D  
RT DISCOVERY (ORBITER)

SPACE SHUTTLE MISSION 41-G  
UF STS-17  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 41-G  
RT CHALLENGER (ORBITER)

SPACE SHUTTLE MISSION 51-A  
UF STS-19  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 51-A  
RT DISCOVERY (ORBITER)

SPACE SHUTTLE MISSION 51-B  
UF STS-24  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 51-B  
RT CHALLENGER (ORBITER)

SPACE SHUTTLE MISSION 51-C  
UF STS-20  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 51-C  
RT DISCOVERY (ORBITER)

SPACE SHUTTLE MISSION 51-D  
UF STS-23  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 51-D  
RT DISCOVERY (ORBITER)

SPACE SHUTTLE MISSION 51-E  
UF STS-22  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 51-E  
RT CHALLENGER (ORBITER)

SPACE SHUTTLE MISSION 51-F  
UF STS-26  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 51-F  
RT CHALLENGER (ORBITER)

SPACE SHUTTLE MISSION 51-G  
UF STS-25  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 51-G  
RT DISCOVERY (ORBITER)  
SAUDI ARABIAN SPACE PROGRAM

SPACE SHUTTLE MISSION 51-H  
UF STS-31  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 51-H  
RT ATLANTIS (ORBITER)

SPACE SHUTTLE MISSION 51-I  
UF STS-27

SPACE SHUTTLE MISSION 51-I-(CONT.)  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 51-I  
RT DISCOVERY (ORBITER)

SPACE SHUTTLE MISSION 51-J  
UF STS-28  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 51-J  
RT ATLANTIS (ORBITER)

SPACE SHUTTLE MISSION 51-L  
UF STS-33  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 51-L  
RT CHALLENGER (ORBITER)

SPACE SHUTTLE MISSION 61-A  
UF STS-29  
GS STS-30  
SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 61-A  
RT CHALLENGER (ORBITER)  
COLUMBIA (ORBITER)

SPACE SHUTTLE MISSION 61-B  
UF STS-31  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 61-B  
RT ATLANTIS (ORBITER)

SPACE SHUTTLE MISSION 61-C  
UF STS-32  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 61-C  
RT COLUMBIA (ORBITER)

SPACE SHUTTLE MISSION 61-E  
UF STS-34  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
.. SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 61-E  
RT COLUMBIA (ORBITER)

SPACE SHUTTLE MISSIONS  
GS SPACE FLIGHT  
.. MANNED SPACE FLIGHT  
... SPACE SHUTTLE MISSIONS  
... SPACE SHUTTLE MISSION 31-A  
... SPACE SHUTTLE MISSION 31-B  
... SPACE SHUTTLE MISSION 31-C  
... SPACE SHUTTLE MISSION 31-D  
... SPACE SHUTTLE MISSION 41-A  
... SPACE SHUTTLE MISSION 41-B  
... SPACE SHUTTLE MISSION 41-C  
... SPACE SHUTTLE MISSION 41-D  
... SPACE SHUTTLE MISSION 41-G  
... SPACE SHUTTLE MISSION 51-A  
... SPACE SHUTTLE MISSION 51-B  
... SPACE SHUTTLE MISSION 51-C  
... SPACE SHUTTLE MISSION 51-D  
... SPACE SHUTTLE MISSION 51-E  
... SPACE SHUTTLE MISSION 51-F  
... SPACE SHUTTLE MISSION 51-G  
... SPACE SHUTTLE MISSION 51-H  
... SPACE SHUTTLE MISSION 51-I  
... SPACE SHUTTLE MISSION 51-J  
... SPACE SHUTTLE MISSION 51-L  
... SPACE SHUTTLE MISSION 61-A  
... SPACE SHUTTLE MISSION 61-B  
... SPACE SHUTTLE MISSION 61-C  
... SPACE SHUTTLE MISSION 61-E  
RT GET AWAY SPECIALS (STS)  
∞ MISSIONS  
SPACE MISSIONS  
SPACE TRANSPORTATION SYSTEM

SPACE SHUTTLE ORBITAL FLIGHT TEST 1  
USE SPACE TRANSPORTATION SYSTEM 1  
FLIGHT

SPACE SHUTTLE ORBITAL FLIGHT TEST 2  
USE SPACE TRANSPORTATION SYSTEM 2  
FLIGHT

SPACE SHUTTLE ORBITAL FLIGHT TEST 3  
USE SPACE TRANSPORTATION SYSTEM 3  
FLIGHT

SPACE SHUTTLE ORBITAL FLIGHT TEST 4  
USE SPACE TRANSPORTATION SYSTEM 4  
FLIGHT

SPACE SHUTTLE ORBITAL FLIGHT TESTS  
USE SPACE TRANSPORTATION SYSTEM  
FLIGHTS

SPACE SHUTTLE ORBITAL FLIGHT 7  
USE SPACE SHUTTLE MISSION 31-C

SPACE SHUTTLE ORBITAL FLIGHT 8  
USE SPACE SHUTTLE MISSION 31-D

SPACE SHUTTLE ORBITAL FLIGHT 9  
USE SPACE SHUTTLE MISSION 41-A

SPACE SHUTTLE ORBITAL FLIGHTS  
USE SPACE TRANSPORTATION SYSTEM  
FLIGHTS

SPACE SHUTTLE ORBITER 099  
USE CHALLENGER (ORBITER)

SPACE SHUTTLE ORBITER 101  
USE ENTERPRISE (ORBITER)

SPACE SHUTTLE ORBITER 102  
USE COLUMBIA (ORBITER)

SPACE SHUTTLE ORBITER 103  
USE DISCOVERY (ORBITER)

SPACE SHUTTLE ORBITER 104  
USE ATLANTIS (ORBITER)

SPACE SHUTTLE ORBITERS  
UF SHUTTLE ORBITERS  
GS MANNED SPACECRAFT  
... SPACE SHUTTLE ORBITERS  
... ATLANTIS (ORBITER)  
... CHALLENGER (ORBITER)  
... COLUMBIA (ORBITER)  
... DISCOVERY (ORBITER)  
... ENTERPRISE (ORBITER)  
REENTRY VEHICLES  
.. RECOVERABLE SPACECRAFT  
.. REUSABLE SPACECRAFT  
... SPACE SHUTTLE ORBITERS  
... ATLANTIS (ORBITER)  
... CHALLENGER (ORBITER)  
... COLUMBIA (ORBITER)  
... DISCOVERY (ORBITER)  
... ENTERPRISE (ORBITER)  
RT INERTIAL UPPER STAGE  
MANNED SPACE FLIGHT  
MICROWAVE SCANNING BEAM LANDING  
SYSTEM  
PAYLOAD INTEGRATION PLAN  
SHUTTLE DERIVED VEHICLES  
SPACE SHUTTLE ASCENT STAGE  
SPACE TRANSPORTATION SYSTEM  
SPACECRAFT RECOVERY  
TERMINAL AREA ENERGY MANAGEMENT

SPACE SHUTTLE PAYLOADS  
GS PAYLOADS  
... SPACE SHUTTLE PAYLOADS  
... ADVANCED TECHNOLOGY  
... LABORATORY  
... ASTRO MISSIONS (STS)  
... ATMOSPHERIC GENERAL  
... CIRCULATION EXPERIMENT  
... EARTH RADIATION BUDGET  
... EXPERIMENT  
... EARTH VIEWING APPLICATIONS  
... LABORATORY  
... ELECTROMAGNETIC ENVIRONMENT  
... EXPERIMENT  
... GET AWAY SPECIALS (STS)  
... HALOGEN OCCULTATION  
... EXPERIMENT  
... OSS-1 PAYLOAD  
... OSTA-1 PAYLOAD  
... OSTA-3 PAYLOAD

**SPACE SHUTTLE PAYLOADS-(CONT.)**

.. PHYSICS AND CHEMISTRY  
EXPERIMENT IN SPACE  
.. PLASMA INTERACTION EXPERIMENT  
.. SPACELAB  
.. X RAY ASTROPHYSICS FACILITY  
RT COMMERCE LAB  
EXTRAVEHICULAR ACTIVITY  
FEATURE IDENTIFICATION AND  
LOCATION EXPER  
HUBBLE SPACE TELESCOPE  
ORBITAL SERVICING  
PAYLOAD ASSIST MODULE  
PAYLOAD INTEGRATION  
PAYLOAD INTEGRATION PLAN  
SHUTTLE IMAGING RADAR  
SORTIE SYSTEMS  
SPACE STATION PAYLOADS  
SPACE TECHNOLOGY EXPERIMENTS  
SPACE TRANSPORTATION SYSTEM  
SPACEBORNE EXPERIMENTS  
STARLAB

**SPACE SHUTTLE SOLID ROCKET MOTORS**

USE SPACE SHUTTLE BOOSTERS

**SPACE SHUTTLE UPPER STAGE A**

UF SSUS-A  
GS SPACE SHUTTLE UPPER STAGES  
.. **SPACE SHUTTLE UPPER STAGE A**  
RT ATLAS CENTAUR LAUNCH VEHICLE

**SPACE SHUTTLE UPPER STAGE D**

UF SSUS-D  
GS SPACE SHUTTLE UPPER STAGES  
.. **SPACE SHUTTLE UPPER STAGE D**  
RT DELTA LAUNCH VEHICLE  
SOLID PROPELLANT ROCKET ENGINES  
SPIN STABILIZATION

**SPACE SHUTTLE UPPER STAGES**

GS **SPACE SHUTTLE UPPER STAGES**  
.. SPACE SHUTTLE UPPER STAGE A  
.. SPACE SHUTTLE UPPER STAGE D  
.. SPINNING SOLID UPPER STAGE  
RT SPACE SHUTTLE ASCENT STAGE

**SPACE SHUTTLES**

GS MANNED SPACECRAFT  
.. **SPACE SHUTTLES**  
.. HERMES MANNED SPACEPLANE  
REENTRY VEHICLES  
.. RECOVERABLE SPACECRAFT  
.. REUSABLE SPACECRAFT  
.. **SPACE SHUTTLES**  
.. HERMES MANNED SPACEPLANE  
RT AEPS  
AEROMANEUVERING ORBIT TO ORBIT  
SHUTTLE  
ANNULAR SUSPENSION AND POINTING  
SYSTEM  
APPROACH AND LANDING TESTS (STS)  
ASSESS PROGRAM  
AUXILIARY PROPULSION  
BESS (SATELLITE)  
COLUMBUS SPACE STATION  
ENTRY GUIDANCE (STS)  
EURECA (ESA)  
EXPENDABLE STAGES (SPACECRAFT)  
GERMAN INFRARED LABORATORY  
HOTOL LAUNCH VEHICLE  
INERTIAL UPPER STAGE  
INTERIM STAGES (SPACECRAFT)  
INTRAORBIT TRANSFER VEHICLES  
LIRTS (TELESCOPE)  
MANNED SPACE FLIGHT  
ORBIT MANEUVERING ENGINE (SPACE  
SHUTTLE)  
ORBIT TRANSFER VEHICLES  
ORBITAL MANEUVERS  
PAYLOAD CONTROL  
PAYLOAD DEPLOYMENT & RETRIEVAL  
SYSTEM  
PAYLOAD RETRIEVAL (STS)  
SAIL PROJECT  
SHUTTLE DERIVED VEHICLES  
SHUTTLE ENGINEERING SIMULATOR  
SHUTTLE PALLET SATELLITES  
SINGLE STAGE TO ORBIT VEHICLES  
SORTIE SYSTEMS  
SPACE SHUTTLE ASCENT STAGE  
SPACE TRANSPORTATION SYSTEM  
SPACE TRANSPORTATION SYSTEM  
FLIGHTS  
∞ SPACECRAFT

**SPACE SHUTTLES-(CONT.)**

SPACECRAFT RECOVERY  
SPACELAB

**SPACE SIMULATORS**

UF ORBITAL SIMULATORS  
GS SIMULATORS  
.. ENVIRONMENT SIMULATORS  
.. **SPACE SIMULATORS**  
.. HIGH VACUUM ORBITAL SIMULATOR  
.. LANGLEY COMPLEX COORDINATOR  
RT CENTRIFUGES  
FLIGHT SIMULATORS  
NEUTRAL BUOYANCY SIMULATION  
SOLAR SIMULATORS  
VACUUM CHAMBERS

**SPACE STATION PAYLOADS**

GS PAYLOADS  
.. **SPACE STATION PAYLOADS**  
RT EARTH OBSERVING SYSTEM (EOS)  
SPACE SHUTTLE PAYLOADS  
SPACE STATION POLAR PLATFORMS  
SPACE STATIONS  
SPACELAB PAYLOADS

**SPACE STATION POLAR PLATFORMS**

UF POLAR PLATFORMS (SPACE STATIONS)  
GS ARTIFICIAL SATELLITES  
.. SPACE STATIONS  
.. **SPACE STATION POLAR PLATFORMS**  
SPACE PLATFORMS  
.. **SPACE STATION POLAR PLATFORMS**  
STATIONS  
.. SPACE STATIONS  
.. **SPACE STATION POLAR PLATFORMS**  
RT COLUMBUS SPACE STATION  
EARTH OBSERVING SYSTEM (EOS)  
POLAR ORBITS  
REMOTE SENSING  
SPACE STATION PAYLOADS

**SPACE STATION POWER SUPPLIES**

GS ELECTRIC POWER SUPPLIES  
.. **SPACE STATION POWER SUPPLIES**  
RT ELECTRIC BATTERIES  
ENERGY STORAGE  
SOLAR ARRAYS  
SOLAR CELLS  
SOLAR DYNAMIC POWER SYSTEMS  
SPACE POWER REACTORS  
SPACE STATIONS  
SPACECRAFT POWER SUPPLIES  
THERMOELECTRIC GENERATORS

**SPACE STATION PROPULSION**

GS PROPULSION  
.. **SPACE STATION PROPULSION**  
RT AUXILIARY PROPULSION  
ELECTRIC PROPULSION  
HYDROGEN OXYGEN ENGINES  
ION ENGINES  
LOW THRUST PROPULSION  
PROPULSION SYSTEM CONFIGURATIONS  
RESISTOJET ENGINES  
SOLAR ELECTRIC PROPULSION  
SPACE STATIONS  
SPACECRAFT PROPULSION

**SPACE STATION STRUCTURES**

RT LARGE SPACE STRUCTURES  
ORBITAL ASSEMBLY  
SPACE ERECTABLE STRUCTURES  
SPACE STATIONS  
SPACECRAFT STRUCTURES  
STRUCTURAL DESIGN  
∞ STRUCTURES

**SPACE STATIONS**

UF EARTH ORBITING SPACE STATIONS  
MANNED ORBITAL SPACE STATIONS  
MOSS (SPACE STATIONS)  
SELF DEPLOYING SPACE STATIONS  
GS ARTIFICIAL SATELLITES  
.. **SPACE STATIONS**  
.. COLUMBUS SPACE STATION  
.. HALO ORBIT SPACE STATION  
.. MIR SPACE STATION  
.. ORBITING LUNAR STATIONS  
.. SALYUT SPACE STATION  
.. SKYLAB 1  
.. SKYLAB 2  
.. SKYLAB 3  
.. SKYLAB 4  
.. SPACE OPERATIONS CENTER (NASA)

**SPACE SURVEILLANCE (SPACEBORNE)****SPACE STATIONS-(CONT.)**

.. SPACE STATION POLAR PLATFORMS  
STATIONS  
.. **SPACE STATIONS**  
.. COLUMBUS SPACE STATION  
.. HALO ORBIT SPACE STATION  
.. MIR SPACE STATION  
.. ORBITING LUNAR STATIONS  
.. SALYUT SPACE STATION  
.. SKYLAB 1  
.. SKYLAB 2  
.. SKYLAB 3  
.. SKYLAB 4  
.. SPACE OPERATIONS CENTER (NASA)  
RT AEPS  
BIOASTRONAUTICS  
FERRY SPACECRAFT  
INFLATABLE STRUCTURES  
LARGE SPACE STRUCTURES  
MANNED ORBITAL LABORATORIES  
MANNED SPACECRAFT  
MILITARY SPACECRAFT  
ORBITAL SERVICING  
ORBITAL SPACE TESTS  
ORBITAL WORKSHOPS  
∞ PLATFORMS  
RENDEZVOUS SPACECRAFT  
SATURN WORKSHOPS  
SATURN 1 WORKSHOP  
SATURN 5 WORKSHOP  
SORTIE SYSTEMS  
SPACE BASES  
SPACE COLONIES  
SPACE HABITATS  
SPACE LABORATORIES  
SPACE PLATFORMS  
SPACE STATION PAYLOADS  
SPACE STATION POWER SUPPLIES  
SPACE STATION PROPULSION  
SPACE STATION STRUCTURES  
SPACECRAFT DOCKING  
SPIN STABILIZATION

**SPACE STORAGE**

RT CRYOGENIC FLUID STORAGE  
CRYOGENIC ROCKET PROPELLANTS  
PROPELLANT STORAGE  
STORABLE PROPELLANTS  
∞ STORAGE  
STORAGE TANKS

**SPACE SUITS**

GS CLOTHING  
.. PROTECTIVE CLOTHING  
.. PRESSURE SUITS  
.. **SPACE SUITS**  
.. SUITS  
.. PRESSURE SUITS  
.. **SPACE SUITS**  
SAFETY DEVICES  
.. **SPACE SUITS**  
RT MANNED MANEUVERING UNITS

**∞ SPACE SURVEILLANCE**

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT SPACE SURVEILLANCE (GROUND  
BASED)  
SPACE SURVEILLANCE (SPACEBORNE)

**SPACE SURVEILLANCE (GROUND BASED)**

GS SURVEILLANCE  
.. **SPACE SURVEILLANCE (GROUND  
BASED)**  
RT AIR DEFENSE  
ANTIMISSILE DEFENSE  
MINITRACK SYSTEM  
SPACE OBSERVATIONS (FROM EARTH)  
∞ SPACE SURVEILLANCE  
SPACECRAFT TRACKING

**SPACE SURVEILLANCE (SPACEBORNE)**

GS SURVEILLANCE  
.. **SPACE SURVEILLANCE (SPACEBORNE)**  
RT AIR DEFENSE  
ANTIMISSILE DEFENSE  
HIGH ALTITUDE NUCLEAR DETECTION  
ICE MAPPING  
ICE REPORTING  
MILITARY SPACECRAFT  
OPTICAL COUNTERMEASURES  
RECONNAISSANCE  
SATELLITE-BORNE PHOTOGRAPHY

## SPACE SYSTEMS ENGINEERING

### SPACE SURVEILLANCE (SPACEBORNE)-(CONT.)

SATELLITE-TO-SATELLITE TRACKING  
∞ SPACE SURVEILLANCE  
SPACECRAFT TRACKING

### SPACE SYSTEMS ENGINEERING

USE AEROSPACE ENGINEERING

### SPACE TECHNOLOGY EXPERIMENTS

RT ANTENNA DESIGN  
ANTENNAS  
LARGE SPACE STRUCTURES  
SPACE ERECTABLE STRUCTURES  
SPACE SHUTTLE PAYLOADS  
SPACEBORNE EXPERIMENTS

### SPACE TELESCOPE

USE HUBBLE SPACE TELESCOPE

### SPACE TEMPERATURE

GS TEMPERATURE  
SPACE TEMPERATURE  
RT CRYOGENIC TEMPERATURE  
ELECTRON ENERGY  
ION TEMPERATURE

### SPACE TOOLS

GS TOOLS  
SPACE TOOLS  
RT LOW GRAVITY MANUFACTURING  
ORBITAL WORKERS

### SPACE TRANSPORTATION

GS TRANSPORTATION  
SPACE TRANSPORTATION  
SPACE TRANSPORTATION SYSTEM  
RT HOTOL LAUNCH VEHICLE  
INERTIAL UPPER STAGE  
JAPANESE SPACE PROGRAM  
ORBIT TRANSFER VEHICLES  
PAYLOAD STATIONS  
PAYLOADS  
SINGLE STAGE TO ORBIT VEHICLES  
TERMINAL AREA ENERGY MANAGEMENT

### SPACE TRANSPORTATION SYSTEM

UF STS  
GS TRANSPORTATION  
SPACE TRANSPORTATION  
SPACE TRANSPORTATION SYSTEM  
RT ANNULAR SUSPENSION AND POINTING  
SYSTEM  
APPROACH AND LANDING TESTS (STS)  
ATMOSPHERIC GENERAL CIRCULATION  
EXPERIMENT  
DEFENSE PROGRAM  
HERMES MANNED SPACEPLANE  
INERTIAL UPPER STAGE  
NASA PROGRAMS  
ORBITAL SERVICING  
OSS-1 PAYLOAD  
OSTA-1 PAYLOAD  
OSTA-2 PAYLOAD  
OSTA-3 PAYLOAD  
PAYLOAD ASSIST MODULE  
PAYLOAD DELIVERY (STS)  
PAYLOAD INTEGRATION PLAN  
PAYLOAD RETRIEVAL (STS)  
POWER MODULES (STS)  
REMOTE MANIPULATOR SYSTEM  
SPACE SHUTTLE MAIN ENGINE  
SPACE SHUTTLE MISSIONS  
SPACE SHUTTLE ORBITERS  
SPACE SHUTTLE PAYLOADS  
SPACE SHUTTLES  
SPACE TRANSPORTATION SYSTEM  
FLIGHTS  
SPACE TUGS  
SPACELAB  
∞ SYSTEMS

### SPACE TRANSPORTATION SYSTEM FLIGHTS

UF OFT  
ORBITAL FLIGHT TESTS (SHUTTLE)  
SPACE SHUTTLE ORBITAL FLIGHT  
TESTS  
GS SPACE SHUTTLE ORBITAL FLIGHTS  
FLIGHT TESTS  
SPACE TRANSPORTATION SYSTEM  
FLIGHTS  
SPACE TRANSPORTATION SYSTEM 1  
FLIGHT  
SPACE TRANSPORTATION SYSTEM 2  
FLIGHT

### SPACE TRANSPORTATION SYSTEM-(CONT.)

SPACE TRANSPORTATION SYSTEM 3  
FLIGHT  
SPACE TRANSPORTATION SYSTEM 4  
FLIGHT  
RT ENTRY GUIDANCE (STS)  
GEOPHYSICAL FLUID FLOW CELLS  
SOLAR CELL CALIBRATION FACILITY  
SPACE FLIGHT  
SPACE SHUTTLE MAIN ENGINE  
SPACE SHUTTLES  
SPACE TRANSPORTATION SYSTEM  
∞ SYSTEMS  
∞ TESTS

### SPACE TRANSPORTATION SYSTEM 1 FLIGHT

UF OFT 1  
ORBITAL FLIGHT TEST 1 (SHUTTLE)  
SPACE SHUTTLE ORBITAL FLIGHT TEST  
1  
STS-1  
GS FLIGHT TESTS  
SPACE TRANSPORTATION SYSTEM  
FLIGHTS  
SPACE TRANSPORTATION SYSTEM 1  
FLIGHT

### SPACE TRANSPORTATION SYSTEM 2 FLIGHT

UF OFT 2  
ORBITAL FLIGHT TEST 2 (SHUTTLE)  
SPACE SHUTTLE ORBITAL FLIGHT TEST  
2  
STS-2  
GS FLIGHT TESTS  
SPACE TRANSPORTATION SYSTEM  
FLIGHTS  
SPACE TRANSPORTATION SYSTEM 2  
FLIGHT

### SPACE TRANSPORTATION SYSTEM 3 FLIGHT

UF OFT 3  
ORBITAL FLIGHT TEST 3 (SHUTTLE)  
SPACE SHUTTLE ORBITAL FLIGHT TEST  
3  
STS-3  
GS FLIGHT TESTS  
SPACE TRANSPORTATION SYSTEM  
FLIGHTS  
SPACE TRANSPORTATION SYSTEM 3  
FLIGHT

### SPACE TRANSPORTATION SYSTEM 4 FLIGHT

UF OFT 4  
ORBITAL FLIGHT TEST 4 (SHUTTLE)  
SPACE SHUTTLE ORBITAL FLIGHT TEST  
4  
STS-4  
GS FLIGHT TESTS  
SPACE TRANSPORTATION SYSTEM  
FLIGHTS  
SPACE TRANSPORTATION SYSTEM 4  
FLIGHT

### SPACE TUGS

RT INERTIAL UPPER STAGE  
MODULES  
ORBIT TRANSFER VEHICLES  
ORBITAL SERVICING  
PAYLOADS  
PROPULSION  
SPACE TRANSPORTATION SYSTEM  
SPACECRAFT PROPULSION

### SPACE VEHICLE CHECKOUT PROGRAM

UF SPACECRAFT PRELAUNCH TESTS  
RT CHECKOUT  
COUNTDOWN  
PERFORMANCE TESTS  
PREFIRING TESTS  
SPACECRAFT MAINTENANCE  
∞ TESTS

### SPACE VEHICLE CONTROL

USE SPACECRAFT CONTROL

### SPACE VEHICLES

USE SPACECRAFT

### SPACE WEAPONS

GS WEAPONS  
SPACE WEAPONS  
RT AIR TO AIR MISSILES  
ANTIMISSILE MISSILES  
CHAPARRAL MISSILE

### SPACE WEAPONS-(CONT.)

LASER WEAPONS  
MINUTEMAN ICBM  
NUCLEAR WEAPONS  
SURFACE TO AIR MISSILES  
WEAPON SYSTEMS  
WEAPONS DELIVERY

### SPACE-TIME CONTINUUM

USE RELATIVITY

### SPACE-TIME FUNCTIONS

UF SPACE-TIME METRIC  
GS FUNCTIONS (MATHEMATICS)  
SPACE-TIME FUNCTIONS  
RT LIGHT-CONE EXPANSION  
MINKOWSKI SPACE  
NAKED SINGULARITIES  
RELATIVITY  
YANG-MILLS THEORY

### SPACE-TIME METRIC

USE SPACE-TIME FUNCTIONS

### SPACEBORNE ASTRONOMY

GS ASTRONOMY  
SPACEBORNE ASTRONOMY  
RT ASTRO MISSIONS (STS)  
ASTRONOMICAL SATELLITES  
COSMIC BACKGROUND EXPLORER  
SATELLITE  
FAINT OBJECT CAMERA  
GAMMA RAY OBSERVATORY  
HIPPARCOS SATELLITE  
HUBBLE SPACE TELESCOPE  
INFRARED SPACE OBSERVATORY (ISO)  
IUE  
MAGELLAN ULTRAVIOLET ASTRONOMY  
SATELLITE  
PINHOLE OCCULTER FACILITY  
QUASAT  
ROSAT MISSION  
SAS-2  
SAS-3  
SPACE INFRARED TELESCOPE FACILITY  
STARSAT TELESCOPE  
TELESCOPES  
ULTRAVIOLET TELESCOPES  
X RAY ASTROPHYSICS FACILITY

### SPACEBORNE EXPERIMENTS

GS SPACEBORNE EXPERIMENTS  
ORBITING FROG OTOLITH  
PHYSICS AND CHEMISTRY  
EXPERIMENT IN SPACE  
PLASMA INTERACTION EXPERIMENT  
RT AEROSPACE ENVIRONMENTS  
AMPT (SATELLITES)  
BIOPROCESSING  
EXPERIMENTATION  
GEOPHYSICAL FLUID FLOW CELLS  
GET AWAY SPECIALS (STS)  
LONG DURATION EXPOSURE FACILITY  
MOLECULAR SHIELDS  
OSS-1 PAYLOAD  
OSTA-1 PAYLOAD  
OSTA-3 PAYLOAD  
PAYLOAD ASSIST MODULE  
PAYLOAD INTEGRATION PLAN  
PAYLOADS  
SPACE LABORATORIES  
SPACE MANUFACTURING  
SPACE PROCESSING  
SPACE SHUTTLE PAYLOADS  
SPACE TECHNOLOGY EXPERIMENTS  
SPACELAB  
WEIGHTLESSNESS

### SPACEBORNE LASERS

GS STIMULATED EMISSION DEVICES  
LASERS  
SPACEBORNE LASERS  
RT AIRBORNE LASERS  
LASER APPLICATIONS  
REMOTE SENSORS

### SPACEBORNE PHOTOGRAPHY

UF SPACE PHOTOGRAPHY  
GS IMAGERY  
SPACEBORNE PHOTOGRAPHY  
SATELLITE-BORNE PHOTOGRAPHY  
PHOTOGRAPHY  
SPACEBORNE PHOTOGRAPHY  
SATELLITE-BORNE PHOTOGRAPHY  
RT AERIAL PHOTOGRAPHY

## SPACECRAFT CONTROL

### SPACEBORNE PHOTOGRAPHY-(CONT.)

ASTRONOMICAL PHOTOGRAPHY  
BLACK AND WHITE PHOTOGRAPHY  
CLOUD PHOTOGRAPHS  
CLOUD PHOTOGRAPHY  
DIFFRACTION LIMITED CAMERAS  
EARTH RESOURCES  
LUNAR PHOTOGRAPHS  
LUNAR PHOTOGRAPHY  
MARS PHOTOGRAPHS  
MULTISPECTRAL BAND SCANNERS  
PHOTOMAPPING  
PHOTOMAPS  
ROCKET-BORNE PHOTOGRAPHY  
SATELLITE OBSERVATION

### SPACEBORNE TELESCOPES

GS TELESCOPES  
    . SPACEBORNE TELESCOPES  
    . . GERMAN INFRARED LABORATORY  
    . . HUBBLE SPACE TELESCOPE  
    . . INFRARED SPACE OBSERVATORY (ISO)  
    . . LIRTS (TELESCOPE)  
    . . SOLAR OPTICAL TELESCOPE  
    . . SPACE INFRARED TELESCOPE FACILITY  
    . . STARLAB  
    . . STARSAT TELESCOPE  
    . . X RAY ASTROPHYSICS FACILITY  
RT ASTRO MISSIONS (STS)  
ASTRONOMICAL OBSERVATORIES  
ASTRONOMICAL PHOTOGRAPHY  
ASTRONOMY  
DIFFRACTION LIMITED CAMERAS  
FAINT OBJECT CAMERA  
GAMMA RAY OBSERVATORY  
MULTI-ANODE MICROCHANNEL ARRAYS  
OPTICAL TRANSFER FUNCTION  
ROSAT MISSION

### ∞ SPACECRAFT

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
UF SPACE VEHICLES  
RT ADVANCED RECONN ELECTRIC SPACECRAFT  
AEROSPACE VEHICLES  
AIR DATA SYSTEMS  
ASTRO VEHICLE  
ASTRODYNAMICS  
ATLANTIS (ORBITER)  
AUXILIARY PROPULSION  
BIOSATELLITES  
CANADIAN SPACECRAFT  
CARGO SPACECRAFT  
CHALLENGER (ORBITER)  
CHINESE SPACECRAFT  
COLUMBIA (ORBITER)  
CZECHOSLOVAKIAN SPACECRAFT  
DISCOVERY (ORBITER)  
DUAL SPIN SPACECRAFT  
ENTERPRISE (ORBITER)  
ESA SPACECRAFT  
ESCAPE ROCKETS  
EXPANDABLE STRUCTURES  
FLEXIBLE SPACECRAFT  
FLIGHT TEST VEHICLES  
FRENCH SPACE PROGRAMS  
GALILEO PROBE  
GALILEO SPACECRAFT  
GROUND SUPPORT EQUIPMENT  
HYPERSONIC VEHICLES  
INDIAN SPACE PROGRAM  
INDIAN SPACECRAFT  
INFLATABLE SPACECRAFT  
INTERPLANETARY SPACECRAFT  
JAPANESE SPACE PROGRAM  
JAPANESE SPACECRAFT  
LAUNCH VEHICLES  
LUNAR SPACECRAFT  
MAGELLAN SPACECRAFT (NASA)  
MANEUVERABLE SPACECRAFT  
MANNED ORBITAL LABORATORIES  
MANNED SPACECRAFT  
MARINER MARK 2 SPACECRAFT  
MARK 1 SPACECRAFT  
MILITARY SPACECRAFT  
ORBIT TRANSFER VEHICLES  
ORBITAL MANEUVERING VEHICLES  
ORBITING LUNAR STATIONS  
OUTER PLANETS EXPLORERS  
PHOTO RECONNAISSANCE SPACECRAFT  
PIONEER VENUS 2 SPACECRAFT

### SPACECRAFT-(CONT.)

POWER LIMITED SPACECRAFT  
RADIATION METEOROID SPACECRAFT  
RECOVERABLE SPACECRAFT  
REENTRY VEHICLES  
RESEARCH VEHICLES  
∞ SATELLITES  
    SERT 1 SPACECRAFT  
    SERT 2 SPACECRAFT  
    SHUTTLE DERIVED VEHICLES  
    SOFT LANDING SPACECRAFT  
    SOLAR MAXIMUM MISSION-A SOLETTAS  
    SOVIET SPACECRAFT  
    SPACE CAPSULES  
    SPACE DEBRIS  
    SPACE LABORATORIES  
    SPACE MISSIONS  
    SPACE SHUTTLES  
    SPACECRAFT CABIN SIMULATORS  
    SPACECRAFT MODULES  
    TECHNOLOGY FEASIBILITY SPACECRAFT  
    TEST VEHICLES  
    TOPS (SPACECRAFT)  
    TRANSATMOSPHERIC VEHICLES  
    UNIDENTIFIED FLYING OBJECTS  
    UNMANNED SPACECRAFT  
∞ VEHICLES  
    VIKING ORBITER SPACECRAFT  
    VIKING ORBITER 1  
    VIKING ORBITER 2  
    VOYAGER 1 SPACECRAFT  
    VOYAGER 2 SPACECRAFT  
    X-30 VEHICLE

### SPACECRAFT ANTENNAS

GS ANTENNAS  
    . SPACECRAFT ANTENNAS  
    RADIO EQUIPMENT  
    . SPACECRAFT ANTENNAS  
    TELECOMMUNICATION  
    . SPACECRAFT ANTENNAS  
RT FURLABLE ANTENNAS

### SPACECRAFT CABIN ATMOSPHERES

GS CONTROLLED ATMOSPHERES  
    . CABIN ATMOSPHERES  
    . . SPACECRAFT CABIN ATMOSPHERES  
RT CARBON DIOXIDE CONCENTRATION  
CLOSED ECOLOGICAL SYSTEMS  
COCKPITS  
ENVIRONMENTAL CONTROL  
HIGH PRESSURE OXYGEN  
PRESSURIZED CABINS  
REBREATHING

### SPACECRAFT CABIN SIMULATORS

GS SIMULATORS  
    . TRAINING SIMULATORS  
    . . SPACECRAFT CABIN SIMULATORS  
RT AEROSPACE ENVIRONMENTS  
COCKPIT SIMULATORS  
MANNED SPACECRAFT  
SIMULATION  
SPACE FLIGHT TRAINING  
SPACE LOGISTICS  
∞ SPACECRAFT  
    TEST FACILITIES

### SPACECRAFT CABINS

GS COMPARTMENTS  
    . SPACECRAFT CABINS  
    SPACECRAFT COMPONENTS  
    . SPACECRAFT CABINS  
RT ∞ CABINS  
    COCKPITS  
    CREW EXPERIMENT STATIONS  
    CREW OBSERVATION STATIONS  
    CREW WORKSTATIONS  
    PRESSURIZED CABINS  
    SPACE CAPSULES

### SPACECRAFT CHARGING

RT ELECTRIC FIELDS  
EXTERNAL SURFACE CURRENTS  
SINGLE EVENT UPSETS  
SPACECRAFT GLOW  
SYSTEM GENERATED  
ELECTROMAGNETIC PULSES

### SPACECRAFT COMMUNICATION

SN (COMMUNICATION OF SPACECRAFT  
WITH GROUND OR OTHER  
SPACECRAFT)  
GS TELECOMMUNICATION

### SPACECRAFT COMMUNICATION-(CONT.)

. SPACE COMMUNICATION  
    . . SPACECRAFT COMMUNICATION  
    . . . REENTRY COMMUNICATION  
    . . . SATELLITE COMMUNICATION  
RT ARPA COMPUTER NETWORK  
ASTRONICS  
CIRCUMLUNAR COMMUNICATION  
EARTH TERMINALS  
FACSIMILE COMMUNICATION  
GROUND-AIR-GROUND COMMUNICATION  
HOOP COLUMN ANTENNAS  
INTERPLANETARY COMMUNICATION  
LUNAR COMMUNICATION  
OPTICAL COMMUNICATION  
PACKET TRANSMISSION  
PLASMA ANTENNAS  
RADIO COMMUNICATION  
SATELLITE COMMUNICATIONS SHIPS  
SATELLITE GROUND SUPPORT  
SINGLE CHANNEL PER CARRIER  
TRANSMISSION  
SYSTEM GENERATED  
ELECTROMAGNETIC PULSES  
UNIFIED S BAND  
WIRELESS COMMUNICATION

### SPACECRAFT COMPONENTS

GS SPACECRAFT COMPONENTS  
    . SERVICE MODULES  
    . SPACECRAFT CABINS  
    . SPACECRAFT DOCKING MODULES  
    . SPACECRAFT MODULES  
    . . COMMAND MODULES  
    . . COMMAND SERVICE MODULES  
    . . LANDING MODULES  
    . . . LUNAR LANDING MODULES  
    . . . LUNAR MODULE  
    . . . . LSSM  
    . . . MARS EXCURSION MODULE  
    . . . SIM  
RT AIRBORNE/SPACEBORNE COMPUTERS  
BORON-EPOXY COMPOSITES  
COMMONALITY  
∞ COMPONENTS  
    NOSE CONES  
    ROCKET ENGINES

### SPACECRAFT CONFIGURATIONS

GS SPACECRAFT CONFIGURATIONS  
    . APOLLO TELESCOPE MOUNT  
    . SATELLITE CONFIGURATIONS  
    . SPACE SHUTTLE ASCENT STAGE  
RT AERODYNAMIC CONFIGURATIONS  
AIRCRAFT CONFIGURATIONS  
APOLLO SHORT STACK  
∞ CONFIGURATIONS  
    FLARED BODIES  
    LAUNCH VEHICLE CONFIGURATIONS  
    PROPULSION SYSTEM CONFIGURATIONS  
    RADIATION METEOROID SPACECRAFT  
    REENTRY VEHICLES  
    UPPER STAGE ROCKET ENGINES

### SPACECRAFT CONSTRUCTION MATERIALS

RT ∞ CONSTRUCTION MATERIALS  
    LUDOX (TRADEMARK)  
∞ MATERIALS

### SPACECRAFT CONTAMINATION

GS CONTAMINATION  
    . SPACECRAFT CONTAMINATION  
RT DECONTAMINATION  
EXOBIOLGY

### SPACECRAFT CONTROL

UF SPACE VEHICLE CONTROL  
GS SPACECRAFT CONTROL  
    . SATELLITE CONTROL  
    . . SATELLITE ATTITUDE CONTROL  
RT ATTITUDE CONTROL  
AUTOMATIC CONTROL  
∞ CONTROL  
    CONTROL SIMULATION  
    CREW PROCEDURES (PREFLIGHT)  
    ENGINE CONTROL  
    FLEXIBLE SPACECRAFT  
    FLIGHT CONTROL  
    FLY BY WIRE CONTROL  
    GROUND BASED CONTROL  
    MANUAL CONTROL  
    MARQUARDT R4D ENGINE  
    MISSILE CONTROL  
    POINTING CONTROL SYSTEMS  
    RADIO CONTROL

## SPACECRAFT DEFENSE

### SPACECRAFT CONTROL-(CONT.)

- REMOTE CONTROL
- ROCKET ENGINE CONTROL
- SHAPE CONTROL
- STATIONKEEPING
- THRUST VECTOR CONTROL
- VISUAL CONTROL

### SPACECRAFT DEFENSE

- UF SATELLITE DEFENSE
- RT SPACECRAFT SURVIVABILITY
- VULNERABILITY

### SPACECRAFT DESIGN

- GS SPACECRAFT DESIGN
  - IPAD
  - SATELLITE DESIGN
- RT COMPUTER AIDED DESIGN
  - DESIGN
  - ENGINE DESIGN
  - HERMES MANNED SPACEPLANE
  - INDIAN SPACE PROGRAM
  - JAPANESE SPACE PROGRAM
  - LOFTING
  - PRODUCT DEVELOPMENT
  - SATELLITE TEMPERATURE
  - SHUTTLE DERIVED VEHICLES
  - SPACE DEBRIS
  - SPACECRAFT TEMPERATURE
  - STRUCTURAL DESIGN
  - SYSTEMS ENGINEERING
  - TRANSATMOSPHERIC VEHICLES
  - WEIGHT REDUCTION

### SPACECRAFT DOCKING

- UF DOCKING
- GS MANEUVERS
  - SPACECRAFT DOCKING
- RT ASTRONAUTICS
  - INTERCEPTION
  - MIR SPACE STATION
  - MOORING
  - MULTIPLE DOCKING ADAPTERS
  - ORBITAL RENDEZVOUS
  - RENDEZVOUS TRAJECTORIES
  - SALYUT SPACE STATION
  - SPACE RENDEZVOUS
  - SPACE STATIONS
  - TRANSFER ORBITS

### SPACECRAFT DOCKING MODULES

- GS MODULES
  - SPACECRAFT DOCKING MODULES
  - SPACECRAFT COMPONENTS
  - SPACECRAFT DOCKING MODULES
- RT AIRLOCK MODULES
- COMMAND MODULES
- COMMAND SERVICE MODULES
- LANDING MODULES
- SERVICE MODULES

### SPACECRAFT ELECTRONIC EQUIPMENT

- GS ELECTRONIC EQUIPMENT
  - SPACECRAFT ELECTRONIC EQUIPMENT
  - ONBOARD EQUIPMENT
  - SPACECRAFT EQUIPMENT
  - SPACECRAFT ELECTRONIC EQUIPMENT
- RT AIRBORNE/SPACEBORNE COMPUTERS
- ASTRONICS
- SINGLE EVENT UPSETS

### SPACECRAFT ENVIRONMENTS

- SN S)
- GS ENVIRONMENTS
  - SPACECRAFT ENVIRONMENTS
- RT AEROSPACE MEDICINE
- ASTRONAUTS
- BIOASTRONAUTICS
- CLOSED ECOLOGICAL SYSTEMS
- CONTROLLED ATMOSPHERES
- COSMONAUTS
- COUCHES
- ENVIRONMENTAL CONTROL
- EXO BIOLOGY
- EXTRATERRESTRIAL ENVIRONMENTS
- GRAVITATION
- INTRAVEHICULAR ACTIVITY
- LANGLEY COMPLEX COORDINATOR
- LIFE SUPPORT SYSTEMS
- ROTATING ENVIRONMENTS
- SATELLITE TEMPERATURE
- THERMAL ENVIRONMENTS
- WEIGHTLESSNESS

### SPACECRAFT EQUIPMENT

- GS ONBOARD EQUIPMENT
  - SPACECRAFT EQUIPMENT
  - SPACECRAFT ELECTRONIC EQUIPMENT
- RT EQUIPMENT
  - OSTA-3 PAYLOAD
  - SPACECRAFT INSTRUMENTS

### SPACECRAFT GLOW

- UF SHUTTLE GLOW
- GS DECAY
  - SPACECRAFT GLOW
  - EMISSION
  - LIGHT EMISSION
  - LUMINESCENCE
- RT SPACECRAFT GLOW
  - EARTH ORBITAL ENVIRONMENTS
  - SPACECRAFT CHARGING
  - SURFACE REACTIONS

### SPACECRAFT GUIDANCE

- GS GUIDANCE (MOTION)
  - SPACECRAFT GUIDANCE
  - SATELLITE GUIDANCE
- RT AUTOMATIC CONTROL
- AUTONOMOUS NAVIGATION
- CCD STAR TRACKER
- CELESTIAL NAVIGATION
- COMMAND GUIDANCE
- GROUND BASED CONTROL
- INERTIAL GUIDANCE
- INJECTION GUIDANCE
- INTERPLANETARY FLIGHT
- INTERPLANETARY TRAJECTORIES
- LASER GYROSCOPES
- MANUAL CONTROL
- MIDCOURSE GUIDANCE
- ORBITS
- REENTRY GUIDANCE
- RENDEZVOUS GUIDANCE
- SPACE FLIGHT
- SPACE NAVIGATION
- STAR TRACKERS
- TERMINAL GUIDANCE

### SPACECRAFT INSTRUMENTS

- UF SPACECRAFT SENSORS
- GS SPACECRAFT INSTRUMENTS
  - SATELLITE INSTRUMENTS
  - MULTISPECTRAL LINEAR ARRAYS
  - SPACECRAFT POSITION INDICATORS
- RT ASTRONICS
- ATMOSPHERIC CLOUD PHYSICS LAB (SPACELAB)
- AUTONOMOUS SPACECRAFT CLOCKS
- BUBBLE TECHNIQUE
- FLIGHT INSTRUMENTS
- FLIGHT TEST INSTRUMENTS
- GUIDANCE SENSORS
- INSTRUMENT PACKAGES
- INSTRUMENTS
  - I2S CAMERAS
  - LASER ALTIMETERS
  - MEASURING INSTRUMENTS
  - ONBOARD EQUIPMENT
  - SPACECRAFT EQUIPMENT

### SPACECRAFT LANDING

- GS LANDING
  - SPACECRAFT LANDING
  - HORIZONTAL SPACECRAFT LANDING
  - LUNAR LANDING
  - MARS LANDING
  - PLANETARY LANDING
- RT AIRCRAFT LANDING
- APPROACH AND LANDING TESTS (STS)
- CRASH LANDING
- GLIDE LANDINGS
- HARD LANDING
- LANDING SIMULATION
- SOFT LANDING
- SOFT LANDING SPACECRAFT
- TERMINAL AREA ENERGY MANAGEMENT
- TOUCHDOWN
- VERTICAL LANDING
- WATER LANDING

### SPACECRAFT LAUNCHING

- UF SATELLITE LAUNCHING
- GS LAUNCHING
  - SPACECRAFT LAUNCHING
  - LIFTOFF (LAUNCHING)
- RT COUNTDOWN
- HEAVY LIFT LAUNCH VEHICLES

### SPACECRAFT LAUNCHING-(CONT.)

- HOTOL LAUNCH VEHICLE
- LAUNCH DATES
- LAUNCH VEHICLES
- LAUNCH WINDOWS
- LAUNCHING PADS
- MISSILES
- ORBITAL LAUNCHING
- ORBITAL SHOTS
- POSTLAUNCH REPORTS
- PRELAUNCH SUMMARIES
- RAILGUN ACCELERATORS
- REUSABLE LAUNCH VEHICLES
- ROCKET LAUNCHING
- SPACE COMMERCIALIZATION

### SPACECRAFT LUBRICATION

- UF SPACE ENVIRONMENTAL LUBRICATION
- GS LUBRICATION
  - SPACECRAFT LUBRICATION
- RT SELF LUBRICATING MATERIALS

### SPACECRAFT MAINTENANCE

- GS MAINTENANCE
  - SPACECRAFT MAINTENANCE
- RT CHECKOUT
- PRELAUNCH TESTS
- SPACE VEHICLE CHECKOUT PROGRAM
- SPACECRAFT RELIABILITY
- TURNAROUND (STS)

### SPACECRAFT MANEUVERS

- UF SATELLITE MANEUVERS
- GS MANEUVERS
  - SPACECRAFT MANEUVERS
  - ORBITAL MANEUVERS
- RT CONTROL SIMULATION
- MANEUVERABILITY
- MANEUVERABLE SPACECRAFT
- SPACE FLIGHT

### SPACECRAFT MODELS

- GS MODELS
  - SPACECRAFT MODELS
- RT AIRCRAFT MODELS
- DYNAMIC MODELS
- MATHEMATICAL MODELS
- SCALE MODELS

### SPACECRAFT MODULES

- GS MODULES
  - SPACECRAFT MODULES
  - COMMAND MODULES
  - COMMAND SERVICE MODULES
  - LANDING MODULES
  - LUNAR LANDING MODULES
  - LUNAR MODULE
  - LSSM
  - MARS EXCURSION MODULE
  - SIM
  - SPACECRAFT COMPONENTS
  - SPACECRAFT MODULES
  - COMMAND MODULES
  - COMMAND SERVICE MODULES
  - LANDING MODULES
  - LUNAR LANDING MODULES
  - LUNAR MODULE
  - LSSM
  - MARS EXCURSION MODULE
  - SIM
- RT COMPARTMENTS
- ORBITAL ASSEMBLY
- SERVICE MODULES
- SPACE CAPSULES
- SPACE ERECTABLE STRUCTURES

### SPACECRAFT MOTION

- SN (NONTRAJECTORY MOTION)
- RT AERODYNAMIC BALANCE
- AERODYNAMIC STABILITY
- ATTITUDE STABILITY
- BUFFETING
- CONTROL STABILITY
- DYNAMIC STABILITY
- FLEXIBLE SPACECRAFT
- FLUTTER
- MOTION
  - MOTION STABILITY
  - OSCILLATIONS
  - SIDESLIP
  - STABILITY
  - TUMBLING MOTION
  - VIBRATION

## SPACECRAFT TRACKING

### SPACECRAFT ORBITAL ASSEMBLY

USE ORBITAL ASSEMBLY

### SPACECRAFT ORBITS

GS ORBITS  
 . SPACECRAFT ORBITS  
 . . . SATELLITE ORBITS  
 . . . GEOSYNCHRONOUS ORBITS  
 . . . PARKING ORBITS  
 . . . POLAR ORBITS  
 . . . STATIONARY ORBITS  
 . . . TWENTY-FOUR HOUR ORBITS  
 . . . TRANSFER ORBITS  
 . . . INTERPLANETARY TRANSFER ORBITS  
 . . . TROJAN ORBITS  
 RT CIRCULAR ORBITS  
 EARTH ORBITS  
 ELLIPTICAL ORBITS  
 EQUATORIAL ORBITS  
 LUNAR ORBITS  
 ORBITAL MECHANICS  
 ORBITAL POSITION ESTIMATION  
 PLANETARY ORBITS  
 SOLAR ORBITS

### SPACECRAFT PERFORMANCE

RT ASTRONAUT PERFORMANCE  
 ∞ PERFORMANCE  
 POSTLAUNCH REPORTS

### SPACECRAFT POSITION INDICATORS

GS DISPLAY DEVICES  
 . POSITION INDICATORS  
 . . SPACECRAFT POSITION INDICATORS  
 MEASURING INSTRUMENTS  
 . INDICATING INSTRUMENTS  
 . . POSITION INDICATORS  
 . . . SPACECRAFT POSITION INDICATORS  
 SPACECRAFT INSTRUMENTS  
 . SPACECRAFT POSITION INDICATORS  
 RT FLIGHT INSTRUMENTS  
 HEAD-UP DISPLAYS  
 ORBITAL POSITION ESTIMATION  
 SPACE NAVIGATION

### SPACECRAFT POWER SUPPLIES

GS ELECTRIC POWER SUPPLIES  
 . SPACECRAFT POWER SUPPLIES  
 RT AUXILIARY POWER SOURCES  
 CRYOCYCLE PRINCIPLE  
 DIRECT POWER GENERATORS  
 ELECTRIC BATTERIES  
 ∞ ENERGY SOURCES  
 FREE-PISTON ENGINES  
 NICKEL HYDROGEN BATTERIES  
 NUCLEAR AUXILIARY POWER UNITS  
 POWER MODULES (STS)  
 ∞ POWER SUPPLIES  
 PROPELLANTS  
 SOLAR DYNAMIC POWER SYSTEMS  
 SPACE STATION POWER SUPPLIES

### SPACECRAFT PRELAUNCH TESTS

USE SPACE VEHICLE CHECKOUT PROGRAM

### SPACECRAFT PROPULSION

GS PROPULSION  
 . SPACECRAFT PROPULSION  
 . . ELECTROMAGNETIC PROPULSION  
 . . . MASS DRIVERS (PAYLOAD DELIVERY)  
 . . . ELECTROSTATIC PROPULSION  
 . . . ION PROPULSION  
 . . . PHOTONIC PROPULSION  
 . . . PLASMA PROPULSION  
 . . . SOLAR PROPULSION  
 . . . SOLAR ELECTRIC PROPULSION  
 . . . SOLAR THERMAL PROPULSION  
 RT CHEMICAL PROPULSION  
 DESCENT PROPULSION SYSTEMS  
 ELECTRIC PROPULSION  
 LASER PROPULSION  
 LOW THRUST PROPULSION  
 MAGNETOPLASMA DYNAMICS  
 NUCLEAR ELECTRIC PROPULSION  
 NUCLEAR PROPULSION  
 POST BOOST PROPULSION SYSTEM  
 PROPELLANTS  
 ROCKET ENGINES  
 ROVER PROJECT  
 SOLAR SAILS  
 SPACE FLIGHT  
 SPACE STATION PROPULSION

### SPACECRAFT PROPULSION-(CONT.)

SPACE TUGS

### SPACECRAFT RADIATORS

UF SPACE RADIATORS  
 GS HEAT RADIATORS  
 . SPACECRAFT RADIATORS  
 RT CONDENSERS (LIQUEFIERS)  
 COOLING  
 COOLING SYSTEMS  
 RADIATIVE HEAT TRANSFER  
 SOLAR REFLECTORS

### SPACECRAFT RECOVERY

UF SATELLITE CAPTURE  
 SNATCHING  
 RT BOOSTER RECOVERY  
 DISCOVERER RECOVERY CAPSULES  
 RECOVERABLE SPACECRAFT  
 ∞ RECOVERY  
 RECOVERY PARACHUTES  
 RECOVERY ZONES  
 RESCUE OPERATIONS  
 REUSABLE LAUNCH VEHICLES  
 SPACE SHUTTLE ORBITERS  
 SPACE SHUTTLES  
 WATER LANDING

### SPACECRAFT REENTRY

GS ATMOSPHERIC ENTRY  
 . REENTRY  
 . . SPACECRAFT REENTRY  
 . . . UNCONTROLLED REENTRY (SPACECRAFT)  
 RT EARTH-VENUS TRAJECTORIES  
 ENTRY GUIDANCE (STS)  
 FLIGHT MECHANICS  
 HYPERSONIC REENTRY  
 LIFTING REENTRY VEHICLES  
 MANNED REENTRY  
 RETURN TO EARTH SPACE FLIGHT  
 SATELLITE LIFETIME

### SPACECRAFT RELIABILITY

GS RELIABILITY  
 . SPACECRAFT RELIABILITY  
 RT CIRCUIT RELIABILITY  
 COMPONENT RELIABILITY  
 CONTROLLABILITY  
 PRELAUNCH PROBLEMS  
 QUALITY CONTROL  
 SPACECRAFT MAINTENANCE

### SPACECRAFT RENDEZVOUS

USE SPACE RENDEZVOUS

### SPACECRAFT SENSORS

USE SPACECRAFT INSTRUMENTS

### SPACECRAFT SHIELDING

GS SHIELDING  
 . SPACECRAFT SHIELDING  
 RT HEAT SHIELDING  
 ∞ INSULATED STRUCTURES  
 METEOROID PROTECTION  
 NOSE CONES  
 RADIATION SHIELDING  
 RADIO FREQUENCY SHIELDING  
 REENTRY SHIELDING  
 REUSABLE HEAT SHIELDING  
 SAFETY DEVICES  
 SOLAR RADIATION SHIELDING

### SPACECRAFT STABILITY

UF SATELLITE ATTITUDE DISTURBANCE  
 GS DYNAMIC CHARACTERISTICS  
 . DYNAMIC STABILITY  
 . . MOTION STABILITY  
 . . . SPACECRAFT STABILITY  
 STABILITY  
 . DYNAMIC STABILITY  
 . . MOTION STABILITY  
 . . . SPACECRAFT STABILITY  
 RT AERODYNAMIC BALANCE  
 AERODYNAMIC STABILITY  
 ATTITUDE STABILITY  
 BUFFETING  
 CONTROL STABILITY  
 COUNTERBALANCES  
 DIRECTIONAL STABILITY  
 DISCOS (SATELLITE ATTITUDE CONTROL)  
 DUAL SPIN SPACECRAFT  
 LATERAL STABILITY  
 LIQUID SLOSHING

### SPACECRAFT STABILITY-(CONT.)

LONGITUDINAL STABILITY  
 LOW SPEED STABILITY  
 NUTATION DAMPERS  
 SATELLITE PERTURBATION  
 TUMBLING MOTION  
 WIND TUNNEL STABILITY TESTS

### SPACECRAFT STERILIZATION

GS CLEANING  
 . STERILIZATION  
 . . SPACECRAFT STERILIZATION  
 DECONTAMINATION  
 RT . SPACECRAFT STERILIZATION  
 CHEMICAL STERILIZATION  
 ETHYLENE OXIDE  
 EXOBIOLOGY  
 PLANETARY QUARANTINE  
 PURIFICATION  
 STERILIZATION EFFECTS

### SPACECRAFT STRUCTURES

RT AIRCRAFT STRUCTURES  
 FOLDING STRUCTURES  
 FUEL TANKS  
 LARGE SPACE STRUCTURES  
 METEOROID PROTECTION  
 ORBITAL ASSEMBLY  
 ROCKET ENGINES  
 SATELLITE DESIGN  
 SPACE ERECTABLE STRUCTURES  
 SPACE STATION STRUCTURES  
 STRUCTURAL DESIGN  
 ∞ STRUCTURES

### SPACECRAFT SURVIVABILITY

RT AIRCRAFT SURVIVABILITY  
 SPACECRAFT DEFENSE  
 SURVIVAL  
 UNCONTROLLED REENTRY (SPACECRAFT)  
 VULNERABILITY

### SPACECRAFT TELEVISION

GS COMMUNICATION EQUIPMENT  
 . SPACECRAFT TELEVISION  
 . . DIGITAL SPACECRAFT TELEVISION  
 . . . RANGER BLOCK 3 TELEVISION SYSTEM  
 . . . SATELLITE TELEVISION  
 TELECOMMUNICATION  
 . SPACECRAFT TELEVISION  
 . . DIGITAL SPACECRAFT TELEVISION  
 . . . RANGER BLOCK 3 TELEVISION SYSTEM  
 . . . SATELLITE TELEVISION  
 TELEVISION SYSTEMS  
 . SPACECRAFT TELEVISION  
 . . DIGITAL SPACECRAFT TELEVISION  
 . . . RANGER BLOCK 3 TELEVISION SYSTEM  
 . . . SATELLITE TELEVISION  
 COLOR TELEVISION  
 RT SATELLITE TRANSMISSION  
 STEREOTELEVISION  
 TELEVISION TRANSMISSION

### SPACECRAFT TEMPERATURE

RT HEAT PIPES  
 SATELLITE TEMPERATURE  
 SPACECRAFT DESIGN  
 TEMPERATURE CONTROL

### SPACECRAFT TRACKING

GS TRACKING (POSITION)  
 . SPACECRAFT TRACKING  
 . . SATELLITE TRACKING  
 . . . SATELLITE-TO-SATELLITE TRACKING  
 RT ADVANCED RANGE INSTRUMENTATION  
 SHIP  
 DEEP SPACE NETWORK  
 MINITRACK SYSTEM  
 MISSILE TRACKING  
 OPTICAL TRACKING  
 POLYSTATION DOPPLER TRACKING SYSTEM  
 RADAR TRACKING  
 RADIO TRACKING  
 SPACE DETECTION AND TRACKING SYSTEM  
 SPACE SURVEILLANCE (GROUND BASED)  
 SPACE SURVEILLANCE (SPACEBORNE)  
 TRACKING NETWORKS  
 TRACKING STATIONS



## SPACECRAFT TRACKING AND DATA NETWORK

### SPACECRAFT TRACKING-(CONT.)

TRANSPONDER CONTROL GROUP  
UNIFIED S BAND

### SPACECRAFT TRACKING AND DATA NETWORK USE STDN (NETWORK)

#### SPACECRAFT TRAJECTORIES

GS TRAJECTORIES  
 . SPACECRAFT TRAJECTORIES  
 . . EARTH-VENUS TRAJECTORIES  
 . . INTERPLANETARY TRAJECTORIES  
 . . . EARTH-MARS TRAJECTORIES  
 . . . EARTH-MERCURY TRAJECTORIES  
 . . LUNAR TRAJECTORIES  
 . . . CIRCUMLUNAR TRAJECTORIES  
 . . . EARTH-MOON TRAJECTORIES  
 . . . MOON-EARTH TRAJECTORIES  
 RT ASCENT TRAJECTORIES  
 DESCENT TRAJECTORIES  
 EARTH ORBITAL RENDEZVOUS  
 FLIGHT MECHANICS  
 GODDARD TRAJECTORY  
 DETERMINATION SYSTEM  
 HYPERBOLIC TRAJECTORIES  
 INTERORBITAL TRAJECTORIES  
 LUNAR ORBITAL RENDEZVOUS  
 ∞ MOTION  
 ORBITAL RENDEZVOUS  
 RADIO OCCULTATION  
 REENTRY TRAJECTORIES  
 RENDEZVOUS TRAJECTORIES  
 ROUND TRIP TRAJECTORIES  
 SWINGBY TECHNIQUE

#### SPACECREW TRANSFER

UF INTERVEHICLE SPACECREW TRANSFER  
 RT APOLLO SOYUZ TEST PROJECT  
 COMMAND MODULES  
 MANNED SPACE FLIGHT  
 RENDEZVOUS SPACECRAFT  
 SPACE LOGISTICS

#### SPACECREWS

GS PERSONNEL  
 . CREWS  
 . . FLIGHT CREWS  
 . . . SPACECREWS  
 . . FLYING PERSONNEL  
 . . FLIGHT CREWS  
 . . . SPACECREWS  
 RT ASTRONAUTS  
 COSMONAUTS  
 CREW EXPERIMENT STATIONS  
 CREW OBSERVATION STATIONS  
 CREW PROCEDURES (INFLIGHT)  
 CREW PROCEDURES (PREFLIGHT)  
 CREW WORKSTATIONS  
 SPACE HABITATS  
 TOILETS

#### SPACELAB

GS LABORATORIES  
 . SPACE LABORATORIES  
 . . MANNED ORBITAL LABORATORIES  
 . . . SPACELAB  
 MANNED SPACECRAFT  
 . MANNED ORBITAL LABORATORIES  
 . . SPACELAB  
 PAYLOADS  
 . SPACE SHUTTLE PAYLOADS  
 . . SPACELAB  
 RT ADVANCED TECHNOLOGY LABORATORY  
 ANNULAR SUSPENSION AND POINTING  
 SYSTEM  
 EXPOS (SPACELAB PAYLOAD)  
 GEOPHYSICAL FLUID FLOW CELLS  
 GERMAN INFRARED LABORATORY  
 GET AWAY SPECIALS (STS)  
 GRIST (TELESCOPE)  
 LIRTS (TELESCOPE)  
 NASA PROGRAMS  
 OSTA-2 PAYLOAD  
 SEPAC (PAYLOAD)  
 SKYLAB PROGRAM  
 SPACE SHUTTLES  
 SPACE TRANSPORTATION SYSTEM  
 SPACEBORNE EXPERIMENTS  
 STARLAB

#### SPACELAB PAYLOADS

GS PAYLOADS  
 . SPACELAB PAYLOADS  
 . . AMPS (SATELLITE PAYLOAD)

### SPACELAB PAYLOADS-(CONT.)

. . ATMOSPHERIC CLOUD PHYSICS LAB  
 (SPACELAB)  
 . . ATMOSPHERIC GENERAL  
 CIRCULATION EXPERIMENT  
 . . GEOPHYSICAL FLUID FLOW CELLS  
 . . SOLAR CELL CALIBRATION FACILITY  
 RT ANNULAR SUSPENSION AND POINTING  
 SYSTEM  
 ASTRO MISSIONS (STS)  
 GET AWAY SPECIALS (STS)  
 SORTIE SYSTEMS  
 SPACE STATION PAYLOADS

### SPACELAB SIMULATION FLIGHTS USE ASSESS PROGRAM

### SPACELAB UV-OPTICAL TELESCOPE FACILITY USE STARLAB

#### SPACERS

RT BUSHINGS  
 DIVIDERS  
 FASTENERS  
 INSERTS  
 ISOLATORS  
 SEPARATORS  
 SPACING  
 WASHERS (SPACERS)

#### SPACETENNAS

GS ANTENNAS  
 . RADIO ANTENNAS  
 . . MICROWAVE ANTENNAS  
 . . . SPACETENNAS  
 MICROWAVE EQUIPMENT  
 . MICROWAVE ANTENNAS  
 . . SPACETENNAS  
 RADIO EQUIPMENT  
 . RADIO ANTENNAS  
 . . MICROWAVE ANTENNAS  
 . . . SPACETENNAS  
 RT MICROWAVE TRANSMISSION  
 RECTENNAS

#### SPACING

GS SPACING  
 . AIRCRAFT APPROACH SPACING  
 RT ALTITUDE CONTROL  
 ATTITUDE CONTROL  
 CLEARANCES  
 INTERVALS  
 ISOLATION  
 POSITIONING  
 ∞ SEPARATION  
 SPACERS  
 THICKNESS

#### SPADATS (TRACKING SYSTEM)

USE SPACE DETECTION AND TRACKING  
 SYSTEM

#### SPAIN

GS NATIONS  
 . SPAIN  
 . . CANARY ISLANDS  
 RT ANDORRA  
 EUROPE  
 PYRENEES MOUNTAINS (EUROPE)  
 SPANISH SAHARA

#### SPALLATION

GS NUCLEAR RADIATION  
 . SPALLATION  
 NUCLEAR REACTIONS  
 . SPALLATION  
 RT PARTICLE PRODUCTION

#### SPALLING

RT CHIPPING  
 FLAKING  
 FRACTURING  
 FRAGMENTATION  
 WEAR  
 WEAR TESTS

#### ∞ SPAN

SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)  
 RT ASPECT RATIO  
 DIMENSIONS  
 LIFE SPAN  
 WIDTH

### SPAN-(CONT.)

WING SPAN

#### SPANISH SAHARA

RT AFRICA  
 NATIONS  
 SPAIN

#### SPANLOADER AIRCRAFT

GS TRANSPORT AIRCRAFT  
 . CARGO AIRCRAFT  
 . . SPANLOADER AIRCRAFT  
 RT ∞ AIRCRAFT  
 SUPERCRITICAL WINGS  
 SWEEP WINGS

#### SPANWISE BLOWING

GS SPANWISE BLOWING  
 . BLOWING  
 RT CROSS FLOW  
 EXTERNALLY BLOWN FLAPS  
 JET FLOW  
 LIFT AUGMENTATION  
 PRESSURE DISTRIBUTION  
 WING SPAN

#### SPAR (ROCKET)

USE SPACE PROCESSING APPLICATIONS  
 ROCKET

#### SPARE PARTS

RT ∞ COMPONENTS  
 DAMAGE ASSESSMENT  
 DOWNTIME  
 ENGINE PARTS  
 INVENTORY MANAGEMENT  
 LOGISTICS MANAGEMENT  
 MAINTENANCE  
 MODULES  
 REDUNDANT COMPONENTS  
 RETIREMENT FOR CAUSE

#### SPARK CHAMBERS

GS IONIZATION CHAMBERS  
 . SPARK CHAMBERS  
 MEASURING INSTRUMENTS  
 . COUNTERS  
 . . RADIATION COUNTERS  
 . . . SPARK CHAMBERS  
 . . RADIATION MEASURING INSTRUMENTS  
 . . RADIATION COUNTERS  
 . . . SPARK CHAMBERS  
 RT BUBBLE CHAMBERS  
 ∞ CHAMBERS  
 CLOUD CHAMBERS  
 ELECTRIC SPARKS  
 NEUTRON COUNTERS

#### SPARK DISCHARGES

USE ELECTRIC SPARKS

#### SPARK GAPS

GS GAPS  
 . SPARK GAPS  
 RT ARC GENERATORS  
 DIELECTRICS  
 ELECTRIC FIELDS  
 ELECTRIC SPARKS  
 ELECTRICAL FAULTS  
 MULTIPACTOR DISCHARGES  
 POTENTIAL GRADIENTS  
 TRIGATRONS

#### SPARK IGNITION

GS IGNITION  
 . SPARK IGNITION  
 RT COMBUSTION  
 ELECTRIC IGNITION  
 ELECTRIC SPARKS  
 EUDIOMETERS

#### SPARK MACHINING

UF ELECTROEROSION  
 ELECTROSTATIC EROSION  
 GS CUTTING  
 . SPARK MACHINING  
 MACHINING  
 . SPARK MACHINING  
 RT ELECTROFORMING  
 EROSION  
 METAL CUTTING  
 PIERCING

**SPARK PLUGS**

RT ARC GENERATORS  
COMBUSTION CHAMBERS  
ELECTRIC SPARKS  
IGNITERS  
IGNITION SYSTEMS  
INTERNAL COMBUSTION ENGINES

**SPARK SHADOWGRAPH PHOTOGRAPHY**

USE SHADOWGRAPH PHOTOGRAPHY

**SPARKS**

GS **SPARKS**  
. ELECTRIC SPARKS  
RT IGNITION

**SPARROW MISSILES**

GS MISSILES  
. AIR TO AIR MISSILES  
. **SPARROW MISSILES**  
. SPARROW 2 MISSILE  
. SPARROW 3 MISSILE  
RT SOLID PROPELLANT ROCKET ENGINES

**SPARROW 2 MISSILE**

GS MISSILES  
. AIR TO AIR MISSILES  
. SPARROW MISSILES  
. **SPARROW 2 MISSILE**  
RT SOLID PROPELLANT ROCKET ENGINES

**SPARROW 3 MISSILE**

GS MISSILES  
. AIR TO AIR MISSILES  
. SPARROW MISSILES  
. **SPARROW 3 MISSILE**  
RT LIQUID PROPELLANT ROCKET ENGINES

**SPARTAN MISSILE**

GS MISSILES  
. ANTIMISSILE MISSILES  
. **SPARTAN MISSILE**  
RT NIKE-ZEUS MISSILE  
SENTINEL SYSTEM  
SPRINT MISSILE  
SURFACE TO AIR MISSILES

**SPARTAN SATELLITES**

GS OBSERVATORIES  
. ASTRONOMICAL OBSERVATORIES  
. ASTRONOMICAL SATELLITES  
. **SPARTAN SATELLITES**  
RT ASTROPHYSICS  
SOLAR PHYSICS  
ULTRAVIOLET ASTRONOMY

**SPAS (ESA PLATFORMS)**

USE SHUTTLE PALLET SATELLITES

**SPASMS**

GS MUSCULAR FUNCTION  
. **SPASMS**  
RT CONTRACTION  
INVOLUNTARY ACTIONS  
MUSCLES

**SPATIAL DEPENDENCIES**

GS DEPENDENCE  
. **SPATIAL DEPENDENCIES**  
RT MATHEMATICAL MODELS  
 $\infty$  SPACE  
TIME DEPENDENCE

**SPATIAL DISTRIBUTION**

UF MOLIERE FORMULA  
SPATIAL ISOTROPY  
GS DISTRIBUTION (PROPERTY)  
. **SPATIAL DISTRIBUTION**  
. STAR DISTRIBUTION  
RT ANISOTROPY  
ION DISTRIBUTION  
METEOROID CONCENTRATION  
PARTICLE DENSITY (CONCENTRATION)  
POSITION (LOCATION)  
STEREOCHEMISTRY  
TELECONNECTIONS (METEOROLOGY)  
TEMPORAL DISTRIBUTION  
VERTICAL DISTRIBUTION

**SPATIAL FILTERING**

GS FILTRATION  
. **SPATIAL FILTERING**  
RT ABERRATION  
ATTENUATION

**SPATIAL FILTERING-(CONT.)**

AUGMENTATION  
BLURRING  
 $\infty$  FILTERS  
HOLOGRAPHY  
IMAGES  
 $\infty$  NOISE  
PHOTOGRAPHS  
PHOTOINTERPRETATION  
PLANE WAVES  
RESOLUTION  
SPECKLE HOLOGRAPHY

**SPATIAL ISOTROPY**

USE ISOTROPY  
SPATIAL DISTRIBUTION

**SPATIAL MARCHING**

RT ACOUSTIC DUCTS  
DUCT GEOMETRY  
NUMERICAL ANALYSIS  
TIME MARCHING

**SPATIAL ORIENTATION**

USE ATTITUDE (INCLINATION)

**SPATIAL RESOLUTION**

GS RESOLUTION  
. **SPATIAL RESOLUTION**  
RT ATMOSPHERIC CORRECTION  
HIGH RESOLUTION  
IMAGE PROCESSING  
IMAGE RESOLUTION  
IMAGING TECHNIQUES  
SPECTRAL RESOLUTION  
TEMPORAL RESOLUTION

**SPECIES DIFFUSION**

GS DIFFUSION  
. **SPECIES DIFFUSION**  
RT EVOLUTION (DEVELOPMENT)  
GENETICS

**SPECIFIC GRAVITY**

USE DENSITY (MASS/VOLUME)

**SPECIFIC HEAT**

UF DEBYE TEMPERATURE  
HEAT CAPACITY  
GS HEAT  
. **SPECIFIC HEAT**  
THERMODYNAMIC PROPERTIES  
. THERMOPHYSICAL PROPERTIES  
. **SPECIFIC HEAT**  
RT ENTHALPY  
EQUIPARTITION THEOREM  
GRUNEISEN CONSTANT  
HEAT BUDGET  
HEAT OF FUSION  
ION TEMPERATURE  
LEWIS NUMBERS  
MELTING POINTS  
NEEL TEMPERATURE  
THERMAL CONDUCTIVITY  
THERMAL RESISTANCE

**SPECIFIC IMPULSE**

RT IMPULSES  
MASS FLOW RATE  
PROPELLANT MASS RATIO  
PROPELLANTS  
PROPULSION SYSTEM PERFORMANCE  
PROPULSIVE EFFICIENCY  
ROCKET PROPELLANTS  
ROCKET THRUST  
THERMODYNAMIC EFFICIENCY  
THRUST

**SPECIFICATIONS**

GS **SPECIFICATIONS**  
. AIRCRAFT SPECIFICATIONS  
. EQUIPMENT SPECIFICATIONS  
. FUNCTIONAL DESIGN SPECIFICATIONS  
RT AIRCRAFT PERFORMANCE  
COMMONALITY  
DRAWINGS  
INSPECTION  
MAINTENANCE  
 $\infty$  MATERIALS TESTS  
MECHANICAL PROPERTIES  
NAMING  
PERFORMANCE TESTS  
PROCESS CONTROL (INDUSTRY)  
PROCUREMENT

**SPECIFICATIONS-(CONT.)**

QUALITY  
QUALITY CONTROL  
RELIABILITY  
REQUIREMENTS  
STANDARDIZATION  
STANDARDS  
TECHNICAL WRITING  
TOLERANCES (MECHANICS)  
USER REQUIREMENTS

**SPECIMEN GEOMETRY**

GS GEOMETRY  
. **SPECIMEN GEOMETRY**  
RT FATIGUE TESTS  
LOAD TESTS  
MECHANICAL PROPERTIES  
TENSILE TESTS

**SPECIMENS**

RT MARS SURFACE SAMPLES  
SAMPLES  
SAMPLING

**SPECKLE HOLOGRAPHY**

GS IMAGERY  
. HOLOGRAPHY  
. **SPECKLE HOLOGRAPHY**  
IMAGING TECHNIQUES  
. **SPECKLE HOLOGRAPHY**  
PHOTOGRAPHY  
. HOLOGRAPHY  
. **SPECKLE HOLOGRAPHY**  
RT COHERENT LIGHT  
DIFFRACTION PATTERNS  
HOLOGRAMMETRY  
HOLOGRAPHIC INTERFEROMETRY  
IMAGE CORRELATORS  
LASER APPLICATIONS  
SCATTER PLATES (OPTICS)  
SPATIAL FILTERING  
SPECKLE INTERFEROMETRY  
SPECKLE PATTERNS

**SPECKLE INTERFEROMETRY**

GS INTERFEROMETRY  
. **SPECKLE INTERFEROMETRY**  
RT DIFFRACTION PATTERNS  
FRESNEL DIFFRACTION  
FRESNEL REFLECTORS  
INFRARED INTERFEROMETERS  
ISOCROMATICS  
LASER APPLICATIONS  
NULL ZONES  
PLASMA FLUX MEASUREMENT  
SAGNAC EFFECT  
SCATTER PLATES (OPTICS)  
SPECKLE HOLOGRAPHY

**SPECKLE PATTERNS**

RT DIFFRACTION PATTERNS  
HOLOGRAPHY  
LASER OUTPUTS  
LIGHT SCATTERING  
 $\infty$  PATTERNS  
SPECKLE HOLOGRAPHY  
SURFACE ROUGHNESS EFFECTS

**SPECTRA**

UF OPTICAL SPECTRUM  
GS **SPECTRA**  
. ATOMIC SPECTRA  
. CONTINUOUS SPECTRA  
. ENERGY SPECTRA  
. ELECTRONIC SPECTRA  
. NEUTRON SPECTRA  
. MASS SPECTRA  
. MOLECULAR SPECTRA  
. ELECTRONIC SPECTRA  
. RAMAN SPECTRA  
. VIBRATIONAL SPECTRA  
. NOISE SPECTRA  
. OXYGEN SPECTRA  
. PLASMA SPECTRA  
. POWER SPECTRA  
. CEPSTRA  
. RADIATION SPECTRA  
. ABSORPTION SPECTRA  
. FRAUNHOFER LINES  
. HERZBERG BANDS  
. TELLURIC LINES  
. ELECTROMAGNETIC SPECTRA  
. GAMMA RAY SPECTRA  
. INFRARED SPECTRA  
. LINE SPECTRA

## SPECTRAL ABSORPTION

### SPECTRA-(CONT.)

- ... BALMER SERIES
- ... D LINES
- ... ELECTRONIC SPECTRA
- ... FRAUNHOFER LINES
- ... H LINES
- ... H ALPHA LINE
- ... H BETA LINE
- ... H GAMMA LINE
- ... K LINES
- ... LYMAN SPECTRA
- ... PASCHEN SERIES
- ... RYDBERG SERIES
- ... TELLURIC LINES
- ... RADIO SPECTRA
- ... MICROWAVE SPECTRA
- ... RAMAN SPECTRA
- ... STELLAR SPECTRA
- ... SOLAR SPECTRA
- ... UV SPECTRA
- ... ULTRAVIOLET SPECTRA
- ... VIBRATIONAL SPECTRA
- ... VISIBLE SPECTRUM
- ... X RAY SPECTRA
- ... EMISSION SPECTRA
- ... SHOCK SPECTRA
- ... SPECTRAL BANDS
- ... ABSORPTION SPECTRA
- ... FRAUNHOFER LINES
- ... HERZBERG BANDS
- ... TELLURIC LINES
- ... PHOTOLUMINESCENT BANDS
- ... SCHUMANN-RUNGE BANDS
- ... SWAN BANDS
- ... VEGARD-KAPLAN BANDS

RT ASTRONOMICAL SPECTROSCOPY  
COLOR  
EXCITONS  
FLUX DENSITY  
GAMMA RAY SPECTROMETERS  
ISOELECTRONIC SEQUENCE  
SPECTRAL SENSITIVITY  
SPECTRAL SHIFT CONTROL  
SPECTRAL THEORY  
SPECTROGRAMS  
SPECTROGRAPHS  
SPECTROMETERS  
SPECTROSCOPY  
SPECTRUM ANALYSIS  
TRANSITION PROBABILITIES

### SPECTRAL ABSORPTION

USE ABSORPTION SPECTRA

### SPECTRAL ANALYSIS

USE SPECTRUM ANALYSIS

### SPECTRAL BANDS

GS SPECTRA

- ... SPECTRAL BANDS
- ... ABSORPTION SPECTRA
- ... FRAUNHOFER LINES
- ... HERZBERG BANDS
- ... TELLURIC LINES
- ... PHOTOLUMINESCENT BANDS
- ... SCHUMANN-RUNGE BANDS
- ... SWAN BANDS
- ... VEGARD-KAPLAN BANDS

RT BAND RATIOING

∞ BANDS

- ... ELECTRONIC SPECTRA
- ... ENERGY BANDS
- ... FREQUENCIES
- ... LINE SPECTRA
- ... VISIBLE SPECTRUM
- ... WHITE NOISE

### SPECTRAL CORRELATION

GS CORRELATION

- ... SPECTRAL CORRELATION

RT ELECTROMAGNETIC SPECTRA  
SPECTROPHOTOGRAPHY

### SPECTRAL EMISSION

GS EMISSION

- ... SPECTRAL EMISSION

RT CONTINUOUS SPECTRA  
ELECTROMAGNETIC RADIATION  
EMITTANCE  
INCANDESCENCE  
LIGHT EMISSION  
LINE SPECTRA  
NONGRAY GAS  
∞ RADIATION  
SPECTROGRAMS

### SPECTRAL EMISSION-(CONT.)

SPECTROSCOPY  
SPECTRUM ANALYSIS  
SPONTANEOUS EMISSION  
WAVELENGTHS

### SPECTRAL ENERGY DISTRIBUTION

GS DISTRIBUTION (PROPERTY)  
... ENERGY DISTRIBUTION

RT ∞ DISTRIBUTION

- ... ELECTROMAGNETIC RADIATION
- ... ENERGY SPECTRA
- ... FINE STRUCTURE
- ... LINE SPECTRA

### SPECTRAL LINE WIDTH

GS BANDWIDTH

RT ∞ SPECTRAL LINE WIDTH

- ... LINE SPECTRA
- ... OSCILLATOR STRENGTHS

### SPECTRAL LINES

USE LINE SPECTRA

### SPECTRAL METHODS

RT COMPUTATIONAL FLUID DYNAMICS  
DIFFERENTIAL EQUATIONS  
SPECTRUM ANALYSIS

### SPECTRAL NOISE

USE WHITE NOISE

### SPECTRAL RECONNAISSANCE

GS RECONNAISSANCE

RT ∞ SPECTRAL RECONNAISSANCE

- ... EARTH RESOURCES
- ... ELECTROMAGNETIC SPECTRA
- ... MULTISPECTRAL BAND SCANNERS
- ... MULTISPECTRAL PHOTOGRAPHY
- ... MULTISPECTRAL RADAR
- ... PHOTORECONNAISSANCE
- ... RADAR PHOTOGRAPHY
- ... SATELLITE-BORNE PHOTOGRAPHY
- ... SPECTROPHOTOGRAPHY

### SPECTRAL REFLECTANCE

GS ELECTROMAGNETIC PROPERTIES

- ... OPTICAL PROPERTIES
- ... REFLECTANCE
- ... SPECTRAL REFLECTANCE
- ... SURFACE PROPERTIES
- ... SPECTRAL REFLECTANCE

RT BIDIRECTIONAL REFLECTANCE  
IMAGING SPECTROMETERS  
LEAF AREA INDEX  
PLANT STRESS  
SPECTROMETERS  
SPECTROSCOPY  
SPECTRUM ANALYSIS  
VEGETATIVE INDEX

### SPECTRAL RESOLUTION

GS RESOLUTION

- ... SPECTRAL RESOLUTION

RT ANALOG COMPUTERS  
LINE SPECTRA  
Q FACTORS  
RADAR RESOLUTION  
RADIOMETRIC RESOLUTION  
SPATIAL RESOLUTION  
SPECTRUM ANALYSIS

### SPECTRAL SENSITIVITY

GS SENSITIVITY

- ... SPECTRAL SENSITIVITY

RT ∞ FREQUENCY RESPONSE  
INSTRUMENT ERRORS  
PHOTOTHERMAL CONVERSION  
SPECTRA

### SPECTRAL SHIFT CONTROL

RT ∞ CONTROL  
SPECTRA

### SPECTRAL SHIFT CONTROL REACTOR

GS NUCLEAR REACTORS

- ... LIQUID COOLED REACTORS
- ... WATER COOLED REACTORS
- ... PRESSURIZED WATER REACTORS
- ... SPECTRAL SHIFT CONTROL REACTOR

RT ∞ CONTROL

### SPECTRAL SIGNATURES

GS SIGNATURES

- ... SPECTRAL SIGNATURES

RT CEPSTRAL ANALYSIS  
CHEMICAL ANALYSIS  
CHEMICAL COMPOSITION  
CROP IDENTIFICATION  
EMISSION SPECTRA  
IDENTIFYING  
OPTICAL MEASUREMENT  
SPECTRUM ANALYSIS

### SPECTRAL THEORY

RT LYMAN SPECTRA  
SPECTRA

∞ THEORIES

### SPECTROGRAMS

RT LINE SPECTRA  
SPECTRA  
SPECTRAL EMISSION  
SPECTROGRAPHS  
SPECTROPHOTOGRAPHY  
SPECTROSCOPY  
SPECTRUM ANALYSIS

### SPECTROGRAPHS

GS SPECTROGRAPHS

- ... HIGH DISPERSION SPECTROGRAPHS

RT SPECTRA  
SPECTROGRAMS  
SPECTROMETERS  
SPECTROSCOPIC ANALYSIS  
SPECTROSCOPY

### SPECTROHELIOGRAPHS

UF HELIOGRAPHS  
HELIOGRAPHY  
SPECTROHELIOSCOPIES

GS IMAGERY

- ... SPECTROHELIOGRAPHS
- ... MEASURING INSTRUMENTS
- ... RADIATION MEASURING INSTRUMENTS
- ... ACTINOMETERS
- ... SPECTROHELIOGRAPHS
- ... SPECTROMETERS
- ... SPECTROHELIOGRAPHS
- ... OPTICAL EQUIPMENT
- ... SPECTROHELIOGRAPHS
- ... SOLAR INSTRUMENTS
- ... SPECTROHELIOGRAPHS

RT BLACK AND WHITE PHOTOGRAPHY  
CORONAGRAPHS  
SOLAR SPECTROMETERS  
STARSAT TELESCOPE

### SPECTROHELIOSCOPIES

USE SPECTROHELIOGRAPHS

### SPECTROMETERS

UF SPECTROMETRY  
SPECTROSCOPES

GS MEASURING INSTRUMENTS

- ... SPECTROMETERS
- ... EBERT SPECTROMETERS
- ... FABRY-PEROT SPECTROMETERS
- ... GAMMA RAY SPECTROMETERS
- ... IMAGING SPECTROMETERS
- ... INFRARED SPECTROMETERS
- ... FILTER WHEEL INFRARED SPECTROMETERS
- ... LASER SPECTROMETERS
- ... MASS SPECTROMETERS
- ... MICROWAVE SPECTROMETERS
- ... NEUTRON SPECTROMETERS
- ... SOLAR BACKSCATTER UV SPECTROMETER
- ... SOLAR SPECTROMETERS
- ... SPECTROHELIOGRAPHS
- ... TIME OF FLIGHT SPECTROMETERS
- ... ULTRAVIOLET SPECTROMETERS
- ... HIGH DISPERSION SPECTROGRAPHS

RT ACTINOMETERS  
CHEMICAL ANALYSIS  
DIFFRACTOMETERS  
ELECTRON PROBES  
GONIOMETERS  
INFRARED SPECTROSCOPY  
MICHELSON INTERFEROMETERS  
OPTICAL EQUIPMENT  
OPTICAL MEASUREMENT  
PHOTO GONIOMETERS  
PHOTOGRAPHIC MEASUREMENT  
PHOTOMETERS

**SPECTROMETERS-(CONT.)**

RADIATION COUNTERS  
SOLAR INSTRUMENTS  
SPECTRA  
SPECTRAL REFLECTANCE  
SPECTROGRAPHS  
SPECTRORADIOMETERS  
SPECTROSCOPIC ANALYSIS  
SPECTROSCOPY  
SPECTRUM ANALYSIS

**SPECTROMETRY**

USE SPECTROMETERS

**SPECTROPHOTOGRAPHY**

GS IMAGERY  
SPECTROPHOTOGRAPHY  
PHOTOGRAPHY  
SPECTROPHOTOGRAPHY  
SPECTROSCOPY  
SPECTROPHOTOGRAPHY  
RT BLACK AND WHITE PHOTOGRAPHY  
GROUND TRUTH  
SPECTRAL CORRELATION  
SPECTRAL RECONNAISSANCE  
SPECTROGRAMS

**SPECTROPHOTOMETERS**

GS MEASURING INSTRUMENTS  
OPTICAL MEASURING INSTRUMENTS  
SPECTROPHOTOMETERS  
INFRARED SPECTROPHOTOMETERS  
ULTRAVIOLET  
SPECTROPHOTOMETERS  
RADIATION MEASURING INSTRUMENTS  
ACTINOMETERS  
SPECTROPHOTOMETERS  
INFRARED  
SPECTROPHOTOMETERS  
ULTRAVIOLET  
SPECTROPHOTOMETERS  
OPTICAL EQUIPMENT  
OPTICAL MEASURING INSTRUMENTS  
SPECTROPHOTOMETERS  
INFRARED SPECTROPHOTOMETERS  
ULTRAVIOLET  
SPECTROPHOTOMETERS  
RT CHEMICAL ANALYSIS  
DUOCHROMATORS  
MONOCHROMATORS  
OPTICAL MEASUREMENT  
PHOTOMETERS  
RADIOMETERS  
SPECTRORADIOMETERS  
SPECTROSCOPIC ANALYSIS  
SPECTROSCOPY

**SPECTROPHOTOMETRY**

GS OPTICAL MEASUREMENT  
PHOTOMETRY  
SPECTROPHOTOMETRY  
STELLAR SPECTROPHOTOMETRY  
SPECTROSCOPY  
SPECTROPHOTOMETRY  
STELLAR SPECTROPHOTOMETRY  
RT ASTRONOMICAL PHOTOMETRY  
COLORIMETRY  
IMAGING SPECTROMETERS  
SPECTROSCOPIC ANALYSIS

**SPECTROPHOTOVOLTAICS**

RT ENERGY CONVERSION EFFICIENCY  
ENERGY SPECTRA  
SOLAR CELLS  
SOLAR COLLECTORS

**SPECTROPOLARIMETERS**

USE POLARIMETERS

**SPECTRORADIOMETERS**

GS MEASURING INSTRUMENTS  
RADIATION MEASURING INSTRUMENTS  
ACTINOMETERS  
RADIOMETERS  
SPECTRORADIOMETERS  
RT SPECTROMETERS  
SPECTROPHOTOMETERS

**SPECTROSCOPES**

USE SPECTROMETERS

**SPECTROSCOPIC ANALYSIS**

SN (FOR SPECTROSCOPIC TOOLS IN  
CHEMICAL ANALYSIS)

**SPECTROSCOPIC ANALYSIS-(CONT.)**

GS CHEMICAL TESTS  
CHEMICAL ANALYSIS  
SPECTROSCOPIC ANALYSIS  
SPECTROSCOPY  
RT AUGER SPECTROSCOPY  
AUROREAL SPECTROSCOPY  
ELECTROPHOTOMETRY  
FLAME SPECTROSCOPY  
FRAUNHOFER LINE DISCRIMINATORS  
GAS SPECTROSCOPY  
INFRARED SPECTROSCOPY  
LASER SPECTROSCOPY  
MAGNETIC SPECTROSCOPY  
MASS SPECTROSCOPY  
METALLICITY  
MICROANALYSIS  
MOLECULAR SPECTROSCOPY  
NEUTRON ACTIVATION ANALYSIS  
NUCLEAR RADIATION SPECTROSCOPY  
PHOTOELECTRON SPECTROSCOPY  
QUALITATIVE ANALYSIS  
QUANTITATIVE ANALYSIS  
RAMAN SPECTROSCOPY  
SPECTROGRAPHS  
SPECTROMETERS  
SPECTROPHOTOMETERS  
SPECTROPHOTOMETRY  
ULTRAVIOLET SPECTROSCOPY  
VACUUM SPECTROSCOPY  
X RAY SPECTROSCOPY

**SPECTROSCOPIC TELESCOPES**

UF DIFFRACTION TELESCOPES  
GS TELESCOPES  
SPECTROSCOPIC TELESCOPES  
MULTISPECTRAL TRACKING  
TELESCOPES  
RT STRATOSCOPE TELESCOPES  
ASTRONOMICAL SPECTROSCOPY  
REFLECTING TELESCOPES  
REFRACTING TELESCOPES  
STELLAR SPECTROPHOTOMETRY

**SPECTROSCOPY**

GS SPECTROSCOPY  
ABSORPTION SPECTROSCOPY  
OPTOGALVANIC SPECTROSCOPY  
ASTRONOMICAL SPECTROSCOPY  
AUGER SPECTROSCOPY  
AUROREAL SPECTROSCOPY  
ELECTRON SPECTROSCOPY  
FLAME SPECTROSCOPY  
GAS SPECTROSCOPY  
HOLOGRAPHIC SPECTROSCOPY  
INFRARED SPECTROSCOPY  
MAGNETIC SPECTROSCOPY  
MASS SPECTROSCOPY  
MOLECULAR SPECTROSCOPY  
RAMAN SPECTROSCOPY  
NUCLEAR RADIATION SPECTROSCOPY  
OPTICAL EMISSION SPECTROSCOPY  
LASER SPECTROSCOPY  
PHOTOACOUSTIC SPECTROSCOPY  
PHOTOELECTRON SPECTROSCOPY  
RADIO SPECTROSCOPY  
SPECTROPHOTOGRAPHY  
SPECTROPHOTOMETRY  
STELLAR SPECTROPHOTOMETRY  
SPECTROSCOPIC ANALYSIS  
ULTRASONIC SPECTROSCOPY  
ULTRAVIOLET SPECTROSCOPY  
VACUUM SPECTROSCOPY  
X RAY SPECTROSCOPY  
RT CHEMICAL ANALYSIS  
CINESPECTROGRAPHS  
COLORIMETRY  
ELECTROPHOTOMETRY  
FRAUNHOFER LINE DISCRIMINATORS  
ISOELECTRONIC SEQUENCE  
LALLEMAND CAMERAS

**OPTICS**

PHOTOMETRY  
PRESSURE BROADENING  
SPECTRA  
SPECTRAL EMISSION  
SPECTRAL REFLECTANCE  
SPECTROGRAMS  
SPECTROGRAPHS  
SPECTROMETERS  
SPECTROPHOTOMETERS  
SPECTRUM ANALYSIS  
TIME OF FLIGHT SPECTROMETERS  
VISIBLE SPECTRUM

**SPECTROSCOPY-(CONT.)**

ZEEMAN EFFECT

**SPECTRUM ANALYSIS**

UF SPECTRAL ANALYSIS  
GS SPECTRUM ANALYSIS  
CEPSTRAL ANALYSIS  
FLAME SPECTROSCOPY  
MAXIMUM ENTROPY METHOD  
RT ABSORPTION SPECTRA  
ANALYZING  
EMISSION SPECTRA  
FREQUENCY ANALYZERS  
FREQUENCY SCANNING  
GAMMA RAY SPECTROMETERS  
HOLOGRAPHIC SPECTROSCOPY  
HYPERFINE STRUCTURE  
KRAMERS-KRONIG FORMULA  
LASER SPECTROSCOPY  
LINE SPECTRA  
MAGNETIC RESONANCE  
OPTICAL RESONANCE  
SIGNAL ANALYSIS  
SPECTRA  
SPECTRAL EMISSION  
SPECTRAL METHODS  
SPECTRAL REFLECTANCE  
SPECTRAL RESOLUTION  
SPECTRAL SIGNATURES  
SPECTROGRAMS  
SPECTROMETERS  
SPECTROSCOPY  
STARK EFFECT  
TOROIDAL DISCHARGE  
ULTRASONIC SPECTROSCOPY  
ULTRAVIOLET SPECTROSCOPY  
ZEEMAN EFFECT

**SPECULAR REFLECTION**

GS REFLECTION  
SPECULAR REFLECTION  
RT DIFFUSE RADIATION  
ETALONS  
GLARE  
MIRRORS

**SPEECH**

GS SPEECH  
ARTICULATION (SPEECH)  
CONVERSATION  
PHONEMES  
PHONETICS  
TALKING  
WORDS (LANGUAGE)  
SYLLABLES  
RT ACOUSTICS  
AUDITORY PERCEPTION  
CONSONANTS (SPEECH)  
ENGLISH LANGUAGE  
LANGUAGES  
LECTURES  
LINGUISTICS  
PHONEMICS  
PUBLIC SPEAKING  
SEMANTICS  
SENTENCES  
SYNTAX  
VOICE  
VOICE COMMUNICATION

**SPEECH BASEBAND COMPRESSION**

GS COMPRESSION  
SPEECH BASEBAND COMPRESSION  
RT BANDWIDTH  
VOCODERS  
VOICE COMMUNICATION  
WAVEFORMS

**SPEECH DEFECTS**

GS DEFECTS  
SPEECH DEFECTS  
RT ARTICULATION (SPEECH)  
PHONEMICS  
PHONETICS

**SPEECH DISCRIMINATION**

USE SPEECH RECOGNITION

**SPEECH RECOGNITION**

UF SPEECH DISCRIMINATION  
GS INTELLIGIBILITY  
SPEECH RECOGNITION  
RECOGNITION  
SPEECH RECOGNITION  
CEPSTRAL ANALYSIS  
RT

## SPEECHES

### SPEECH RECOGNITION-(CONT.)

PHONEMES  
PHONEMICS  
PHONETICS  
SENSORY DISCRIMINATION  
VOICE CONTROL

### SPEECHES

USE LECTURES

### SPEED

USE VELOCITY

### SPEED CONTROL

UF SPEED REGULATION  
RT AUTOMATIC CONTROL  
∞ CONTROL  
CONTROL EQUIPMENT  
CONTROLLERS  
ENGINE CONTROL  
HELICOPTER CONTROL  
MANUAL CONTROL  
REGULATORS

### SPEED INDICATORS

UF PRESTON TUBES  
SPEEDOMETERS  
GS DISPLAY DEVICES  
SPEED INDICATORS  
TACHOMETERS  
MEASURING INSTRUMENTS  
INDICATING INSTRUMENTS  
SPEED INDICATORS  
TACHOMETERS  
RT ACCELEROMETERS  
AIRCRAFT INSTRUMENTS  
ANEMOMETERS  
APPROACH INDICATORS  
FLIGHT INSTRUMENTS  
FLOWMETERS  
LANDING INSTRUMENTS  
PITOT TUBES  
VELOCITY MEASUREMENT

### SPEED REGULATION

USE SPEED CONTROL

### SPEED REGULATORS

UF GOVERNORS  
GS CONTROL EQUIPMENT  
SPEED REGULATORS  
REGULATORS  
SPEED REGULATORS  
RT CONTROLLERS  
ENGINES

### SPEEDOMETERS

USE SPEED INDICATORS

### SPENT FUELS

GS FUELS  
NUCLEAR FUELS  
SPENT FUELS  
RT FUEL CAPSULES  
NEUTRON SOURCES  
∞ NUCLEAR ENERGY  
NUCLEAR FUEL REPROCESSING  
REACTOR MATERIALS  
RECYCLING

### SPERMATOCYTES

USE GAMETOCYTES

### SPERMATOGENESIS

RT ABIOGENESIS  
GAMETOCYTES  
SPERMATOZOA

### SPERMATOZOA

GS CELLS (BIOLOGY)  
GAMETOCYTES  
SPERMATOZOA  
RT FERTILIZATION  
∞ REPRODUCTION  
SPERMATOGENESIS

### SPERT REACTORS

GS NUCLEAR REACTORS  
LIQUID COOLED REACTORS  
WATER COOLED REACTORS  
BOILING WATER REACTORS  
SPERT REACTORS  
NUCLEAR RESEARCH AND TEST  
REACTORS

### SPERT REACTORS-(CONT.)

SPERT REACTORS

### SPHALERITE

USE ZINCBLLENDE

### SPHERES

GS SYMMETRICAL BODIES  
BODIES OF REVOLUTION  
SPHERES  
CELESTIAL SPHERE  
CONCENTRIC SPHERES  
FALLING SPHERES  
POINCARÉ SPHERES  
ROTATING SPHERES  
RT AERODYNAMIC CONFIGURATIONS  
ASPHERICITY  
BALLS  
CIRCLES (GEOMETRY)  
EUCLIDEAN GEOMETRY  
GEOMETRY  
∞ GLOBES  
GLOBULES  
∞ HEMISPHERES  
HEMISPHERICAL SHELLS  
MICROBALLOONS  
NODULES  
OGIVES  
SPHERICAL SHELLS  
SPHEROIDS  
SPHERULES

### SPHERICAL ANTENNAS

GS ANTENNAS  
SPHERICAL ANTENNAS  
RT COMMUNICATION EQUIPMENT  
ELECTRONIC EQUIPMENT

### SPHERICAL CAPS

GS SHELLS (STRUCTURAL FORMS)  
SPHERICAL SHELLS  
SPHERICAL CAPS  
RT ∞ CAPS  
COVERINGS  
NOSE CONES  
SEALS (STOPPERS)

### SPHERICAL COORDINATES

UF CURVILINEAR COORDINATES  
GS COORDINATES  
SPHERICAL COORDINATES  
RT ASTRONOMICAL COORDINATES  
CELESTIAL REFERENCE SYSTEMS  
GEOCENTRIC COORDINATES  
PLANETOCENTRIC COORDINATES  
POLAR COORDINATES  
POSITION (LOCATION)  
∞ REFERENCE SYSTEMS

### SPHERICAL HARMONICS

GS ANALYSIS (MATHEMATICS)  
COMPLEX VARIABLES  
SPHERICAL HARMONICS  
FUNCTIONS (MATHEMATICS)  
SPHERICAL HARMONICS  
HARMONICS  
SPHERICAL HARMONICS  
RT LEGENDRE FUNCTIONS

### SPHERICAL PLASMAS

GS PARTICLES  
CHARGED PARTICLES  
ENERGETIC PARTICLES  
PLASMAS (PHYSICS)  
SPHERICAL PLASMAS

### SPHERICAL SHELLS

GS SHELLS (STRUCTURAL FORMS)  
SPHERICAL SHELLS  
SPHERICAL CAPS  
RT BODIES OF REVOLUTION  
CIRCULAR SHELLS  
HEMISPHERICAL SHELLS  
METAL SHELLS  
REINFORCED SHELLS  
ROTATING SPHERES  
SPHERES  
STRESSED-SKIN STRUCTURES  
THIN WALLED SHELLS

### SPHERICAL TANKS

GS TANKS (CONTAINERS)  
SPHERICAL TANKS  
RT FUEL TANKS

### SPHERICAL TANKS-(CONT.)

PRESSURE VESSELS  
PROPELLANT TANKS  
STORAGE TANKS

### SPHERICAL WAVES

RT CYLINDRICAL WAVES  
DIFFRACTION PATHS  
DIFFRACTION PROPAGATION  
ELASTIC WAVES  
ELECTROMAGNETIC RADIATION  
HUYGENS PRINCIPLE  
PLANE WAVES  
POINT SOURCES  
THREE DIMENSIONAL FLOW  
∞ WAVES

### SPHEROIDS

GS GEOMETRY  
EUCLIDEAN GEOMETRY  
ANALYTIC GEOMETRY  
SPHEROIDS  
OBLATE SPHEROIDS  
PROLATE SPHEROIDS  
RT FALLING SPHERES  
GEOIDS  
SPHERES

### SPHEROMAKS

GS NUCLEAR REACTORS  
FUSION REACTORS  
SPHEROMAKS  
RT DENSE PLASMAS  
MAGNETIC FIELD CONFIGURATIONS  
MAGNETIC MIRRORS  
PLASMA CURRENTS  
∞ REACTORS  
TOKAMAK DEVICES  
TOROIDAL PLASMAS

### SPHERULES

GS SPHERULES  
SPHERULITES  
RT CRYSTALS  
SPHERES

### SPHERULITES

GS CRYSTALS  
CRYSTALLITES  
SPHERULITES  
SPHERULES  
SPHERULITES  
RT CRYSTAL STRUCTURE  
MICROCRYSTALS  
MICROSTRUCTURE  
NODULES  
ROSETTE SHAPES

### SPHINX

SN (SPACE PLASMA HIGH VOLTAGE  
INTERACTION EXPERIMENTS)  
UF SPACE PLASMA H/V INTERACTION  
EXPERIMENTS  
RT NASA PROGRAMS  
PLASMA INTERACTION EXPERIMENT  
PLASMA-PARTICLE INTERACTIONS  
PLASMAS (PHYSICS)  
∞ RESEARCH PROJECTS  
SPACE PLASMAS

### SPHYGMOGRAPHY

RT ARTERIES  
BIOINSTRUMENTATION  
BLOOD PRESSURE  
HEART RATE  
∞ MEASUREMENT  
RECORDING INSTRUMENTS

### SPICULES

GS STELLAR ACTIVITY  
SOLAR ACTIVITY  
SPICULES  
RT CHROMOSPHERE  
PHOTOSPHERE  
SOLAR ATMOSPHERE

### SPIDERS

GS ANIMALS  
INVERTEBRATES  
ARTHROPODS  
SPIDERS

### SPIKE ANTENNAS

USE MONOPOLE ANTENNAS

## SPIRAL GALAXIES

### SPIKE NOZZLES

- GS EXHAUST NOZZLES
- . SPIKE NOZZLES
- RT CONICAL NOZZLES
- NOZZLE GEOMETRY
- ∞ NOZZLES
- PLUG NOZZLES
- ROCKET NOZZLES
- ∞ SPIKES

### SPIKE POTENTIALS

- GS POTENTIAL ENERGY
- . ELECTRIC POTENTIAL
- . . SPIKE POTENTIALS
- RT BIOELECTRICITY
- DEPOLARIZATION
- ∞ SPIKES

### ∞ SPIKES

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT FASTENERS
- HOLDERS
- MONOPOLE ANTENNAS
- PINS
- SPIKE NOZZLES
- SPIKE POTENTIALS
- SPIKES (AERODYNAMIC CONFIGURATIONS)

### SPIKES (AERODYNAMIC CONFIGURATIONS)

- RT ∞ SPIKES
- WIND TUNNELS

### SPIKING

- RT ELECTRON BEAM WELDING
- MELTING
- METAL CUTTING

### SPILLING

- RT DUMPING
- EMPTYING
- JETTISONING
- OIL SLICKS
- RELEASING
- SPREADING

### SPIN

- GS SPIN
- . METAL SPINNING
- . . HYDROSPINNING
- . . . PARTICLE SPIN
- . . . ELECTRON SPIN
- . . . ISOTOPIC SPIN
- . . . NUCLEAR SPIN
- . . . SPIN-ORBIT INTERACTIONS
- . . . ELECTRON CAPTURE
- . . . SPIN-SPIN COUPLING
- RT ANGULAR MOMENTUM
- NUCLEAR CAPTURE
- ∞ SPINNERS
- YO-YO DEVICES

### SPIN DECOUPLING

- GS DECOUPLING
- . SPIN DECOUPLING
- RT PHOTOMAGNETIC EFFECTS

### SPIN DYNAMICS

- RT AIRCRAFT SPIN
- ARTIFICIAL GRAVITY
- DYNAMIC TESTS
- ∞ DYNAMICS
- ELECTRON SPIN
- GYRATION
- LUNAR ROTATION
- ROTATING MATTER

### SPIN EXCHANGE

- GS EXCHANGING
- . SPIN EXCHANGE
- RT RESONANCE CHARGE EXCHANGE

### SPIN FORGING

- USE METAL SPINNING

### SPIN GLASS

- GS GLASS
- . SPIN GLASS
- RT AMORPHOUS MATERIALS
- MAGNETIC PROPERTIES
- METALLIC GLASSES
- SPIN-LATTICE RELAXATION

### SPIN GLASS-(CONT.)

#### SUPERCONDUCTIVITY

### SPIN REDUCTION

- UF DESPINNING
- JET DAMPING
- GS RATES (PER TIME)
- . ACCELERATION (PHYSICS)
- . . DECELERATION
- . . . SPIN REDUCTION
- RT ANGULAR ACCELERATION
- DESTABILIZATION
- GRAVITY GRADIENT SATELLITES
- ∞ REDUCTION
- SATELLITE ROTATION
- YO-YO DEVICES

### SPIN RESONANCE

- GS RESONANCE
- . SPIN RESONANCE
- RT NUCLEAR MAGNETIC RESONANCE
- PARTICLE SPIN

### SPIN STABILIZATION

- GS STABILIZATION
- . SPIN STABILIZATION
- RT ATTITUDE CONTROL
- DUAL SPIN SPACECRAFT
- MISSILES
- OV-1 SATELLITES
- OV-2 SATELLITES
- OV-3 SATELLITES
- OV-4 SATELLITES
- OV-5 SATELLITES
- SATELLITE ORIENTATION
- SATELLITE ROTATION
- SPACE SHUTTLE UPPER STAGE D
- SPACE STATIONS
- ∞ SPINNERS

### SPIN TEMPERATURE

- SN (LIMITED TO ASTROPHYSICS)
- GS TEMPERATURE
- . SPIN TEMPERATURE
- RT ABSORPTION SPECTRA
- ASTROPHYSICS
- HYDROGEN CLOUDS
- INTERSTELLAR GAS
- INTERSTELLAR MATTER

### SPIN TESTS

- UF WHIRLING TESTS
- RT ANGULAR MOMENTUM
- DYNAMIC TESTS
- ENVIRONMENTAL TESTS
- LOAD TESTS
- POLARIZATION (SPIN ALIGNMENT)
- ∞ TESTS
- WHIRL TOWERS

### SPIN WAVES

- USE MAGNONS

### SPIN-LATTICE RELAXATION

- GS MAGNETIC PROPERTIES
- . MAGNETIC RELAXATION
- . . SPIN-LATTICE RELAXATION
- RELAXATION (MECHANICS)
- . SPIN-LATTICE RELAXATION
- RT LATTICE VIBRATIONS
- NUCLEAR MAGNETIC RESONANCE
- RELAXATION TIME
- SPIN GLASS

### SPIN-ORBIT INTERACTIONS

- GS NUCLEAR REACTIONS
- . NUCLEAR INTERACTIONS
- . . SPIN-ORBIT INTERACTIONS
- . . . ELECTRON CAPTURE
- PARTICLE INTERACTIONS
- . NUCLEAR INTERACTIONS
- . . SPIN-ORBIT INTERACTIONS
- . . . ELECTRON CAPTURE
- SPIN
- . SPIN-ORBIT INTERACTIONS
- . . ELECTRON CAPTURE
- RT ∞ INTERACTIONS

### SPIN-SPIN COUPLING

- GS COUPLING
- . SPIN-SPIN COUPLING
- SPIN
- . SPIN-SPIN COUPLING
- RT COUPLES

### SPIN-SPIN COUPLING-(CONT.)

#### CROSS RELAXATION

### SPINACH

- GS FARM CROPS
- . SPINACH
- PLANTS (BOTANY)
- . SPINACH
- VEGETABLES
- . SPINACH
- RT ∞ FOOD

### SPINAL CORD

- GS ANATOMY
- . NERVOUS SYSTEM
- . . CENTRAL NERVOUS SYSTEM
- . . . SPINAL CORD
- RT BONES
- BRAIN
- NEUROGLIA
- SPINE

### SPINDLES

- RT SHAFTS (MACHINE ELEMENTS)
- SPOOLS
- WINDING

### SPINE

- UF VERTEBRAL COLUMN
- GS ANATOMY
- . MUSCULOSKELETAL SYSTEM
- . . BONES
- . . . SPINE
- . . . . VERTEBRAE
- RT SCIATIC REGION
- SPINAL CORD

### SPINEL

- GS MINERALS
- . SPINEL
- RT ALUMINATES
- FERRITES
- IGNEOUS ROCKS

### ∞ SPINNERS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT ANTENNA COMPONENTS
- FAIRINGS
- SLEWING
- SPIN
- SPIN STABILIZATION

### SPINNING (METALLURGY)

- USE METAL SPINNING

### SPINNING SOLID UPPER STAGE

- GS SPACE SHUTTLE UPPER STAGES
- . SPINNING SOLID UPPER STAGE
- RT BOOSTER ROCKET ENGINES
- UPPER STAGE ROCKET ENGINES

### SPINNING UNGUIDED ROCKET TRAJECTORY

- UF SPURT (TRAJECTORIES)
- GS TRAJECTORIES
- . SPINNING UNGUIDED ROCKET
- TRAJECTORY
- RT EQUATIONS OF MOTION
- MISSILE TRAJECTORIES
- ROTATING BODIES
- SYMMETRICAL BODIES

### SPINOR GROUPS

- GS ALGEBRA
- . LIE GROUPS
- . . SPINOR GROUPS
- GEOMETRY
- . DIFFERENTIAL GEOMETRY
- . . LIE GROUPS
- . . . SPINOR GROUPS

### SPIRAL ANTENNAS

- GS ANTENNAS
- . SPIRAL ANTENNAS
- . . LOG SPIRAL ANTENNAS
- RT ANTENNA DESIGN
- BROADBAND
- TELEMETRY

### SPIRAL GALAXIES

- GS CELESTIAL BODIES
- . GALAXIES
- . . SPIRAL GALAXIES

## SPIRAL WRAPPING

### SPIRAL GALAXIES-(CONT.)

- ... BARRED GALAXIES
- ... MILKY WAY GALAXY
- RT ANDROMEDA GALAXY
- COROTATION
- DENSITY WAVE MODEL
- DISK GALAXIES
- ELLIPTICAL GALAXIES
- LOCAL GROUP (ASTRONOMY)
- MAFFEI GALAXIES
- SEYFERT GALAXIES
- VIRGO GALACTIC CLUSTER

### SPIRAL WRAPPING

- RT COMPOSITE MATERIALS
- COMPOSITE WRAPPING
- ISOTENSOID STRUCTURES
- PACKAGING
- ∞ SPIRALS
- WINDING

### ∞ SPIRALS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT CURVES (GEOMETRY)
- ∞ HELICES
- SPIRAL WRAPPING
- SPIRALS (CONCENTRATORS)

### SPIRALS (CONCENTRATORS)

- GS CONCENTRATORS
- ... SPIRALS (CONCENTRATORS)
- SEPARATORS
- ... SPIRALS (CONCENTRATORS)
- RT CLASSIFIERS
- ∞ SPIRALS

### SPIROMETERS

- RT HEART MINUTE VOLUME
- LUNGS
- RESPIRATORY RATE

### SPIITSBERGEN (NORWAY)

- RT ARCHIPELAGOES
- ARCTIC OCEAN
- OCEAN CURRENTS

### SPLASHING

- UF SWASH
- RT AGITATION
- SURFACE WAVES
- ULLAGE
- WATER LANDING

### SPLEEN

- GS ANATOMY
- ... SPLEEN
- RT POLYCYTHEMIA

### SPLICING

- RT FASTENERS
- ∞ JOINING
- ∞ TAPES
- WIRING

### SPLINE FUNCTIONS

- GS FUNCTIONS (MATHEMATICS)
- ... SPLINE FUNCTIONS
- RT APPROXIMATION
- MATRIX METHODS

### SPLINES

- RT COUPLINGS
- FASTENERS
- HOLDERS

### SPLINTS

- RT BONES
- CASTS
- FIRST AID

### SPLIT FLAPS

- GS AIRFOILS
- ... FLAPS (CONTROL SURFACES)
- ... SPLIT FLAPS
- BRAKES (FOR ARRESTING MOTION)
- ... AERODYNAMIC BRAKES
- ... SPLIT FLAPS
- ... AIRCRAFT BRAKES
- ... SPLIT FLAPS
- CONTROL SURFACES
- ... FLAPS (CONTROL SURFACES)
- ... SPLIT FLAPS

### SPLIT FLAPS-(CONT.)

- DRAG DEVICES
- ... AERODYNAMIC BRAKES
- ... SPLIT FLAPS
- RT JET FLAPS
- LEADING EDGE SLATS
- TRAILING EDGE FLAPS
- WING FLAPS

### SPLITS (GEOLOGY)

- USE GEOLOGICAL FAULTS

### SPLITTING

- RT CHIPPING
- CUTTING
- FISSION
- FLAKING
- FRACTURING
- LASER CUTTING
- ∞ SEPARATION
- SLICING

### SPODUMENE

- GS ALUMINUM COMPOUNDS
- ... SPODUMENE
- CHALCOGENIDES
- ... OXIDES
- ... SILICON OXIDES
- ... SPODUMENE
- LITHIUM COMPOUNDS
- ... SPODUMENE
- MINERALS
- ... SPODUMENE
- SILICON COMPOUNDS
- ... SILICATES
- ... SODIUM SILICATES
- ... SPODUMENE
- ... SILICON OXIDES
- ... SPODUMENE
- SODIUM COMPOUNDS
- ... SODIUM SILICATES
- ... SPODUMENE

### SPOILER SLOT AILERONS

- GS AIRFOILS
- ... AILERONS
- ... SPOILER SLOT AILERONS
- CONTROL SURFACES
- ... AILERONS
- ... SPOILER SLOT AILERONS
- RT SPOILERS

### SPOILERS

- GS AIRFOILS
- ... SPOILERS
- CONTROL SURFACES
- ... SPOILERS
- DRAG DEVICES
- ... SPOILERS
- RT AERODYNAMIC BRAKES
- BOUNDARY LAYER CONTROL
- DEFLECTORS
- FLAPS (CONTROL SURFACES)
- GUST ALLEVIATORS
- LEADING EDGE SLATS
- SPOILER SLOT AILERONS
- VORTEX ALLEVIATION
- WINGS

### SPOKES

- RT HUBS
- WHEELS

### SPONGES (MATERIALS)

- SN (ORGANIC OPEN-CELL STRUCTURES)
- RT ELASTOMERS
- ∞ MATERIALS
- POLYURETHANE FOAM
- POROUS MATERIALS

### SPONTANEOUS COMBUSTION

- GS COMBUSTION
- ... SPONTANEOUS COMBUSTION
- RT COMBUSTION TEMPERATURE
- EXPLOSIONS
- FIRE POINT
- FIRE PREVENTION
- FLAMMABILITY
- FLASH POINT
- FUEL COMBUSTION
- HAZARDS
- HYPERGOLIC ROCKET PROPELLANTS
- IGNITION
- IGNITION TEMPERATURE
- PROPELLANT SENSITIVITY

### SPONTANEOUS COMBUSTION-(CONT.)

PYROPHORIC MATERIALS

### SPONTANEOUS EMISSION

- GS EMISSION
- ... SPONTANEOUS EMISSION
- RT ATOMIC ENERGY LEVELS
- ELECTROMAGNETIC RADIATION
- EMISSION SPECTRA
- SPECTRAL EMISSION

### SPOOLS

- RT ∞ CONTAINERS
- INSERTS
- MAGAZINES (SUPPLY CHAMBERS)
- REELS
- SPINDLES

### SPORADIC E LAYER

- GS EARTH ATMOSPHERE
- ... UPPER ATMOSPHERE
- ... EARTH IONOSPHERE
- ... E REGION
- ... SPORADIC E LAYER
- REGIONS
- ... E REGION
- ... SPORADIC E LAYER
- RT E-1 LAYER
- E-2 LAYER
- MIDLATITUDE ATMOSPHERE

### SPORADIC METEORIODS

- SN (METEORIODS NOT ASSOCIATED WITH A METEOROID SHOWER OR STREAM)
- GS CELESTIAL BODIES
- ... METEORIODS
- ... SPORADIC METEORIODS
- RT METEOR TRAILS
- METEOROID CONCENTRATION

### SPORES

- GS SPORES
- ... MICROSPORES
- RT FUNGI
- MICROORGANISMS
- PLANTS (BOTANY)
- PROTOZOA
- ∞ REPRODUCTION
- TETRAD THEORY

### SPORTS MEDICINE

- RT AEROSPACE MEDICINE
- ATHLETES
- CLINICAL MEDICINE
- EXERCISE PHYSIOLOGY
- MEDICAL SCIENCE
- PHYSICAL FITNESS
- PHYSIOLOGICAL EFFECTS

### SPOT (FRENCH SATELLITE)

- GS ARTIFICIAL SATELLITES
- ... FRENCH SATELLITES
- ... SPOT (FRENCH SATELLITE)
- OBSERVATION
- ... EARTH OBSERVATIONS (FROM SPACE)
- ... SPOT (FRENCH SATELLITE)
- RT CROP IDENTIFICATION
- EARTH RESOURCES
- LAND USE
- MAPPING
- SOIL MAPPING
- STEREOPHOTOGRAPHY

### SPOT WELDS

- GS JOINTS (JUNCTIONS)
- ... METAL JOINTS
- ... WELDED JOINTS
- ... SPOT WELDS
- RT ARC WELDING
- BEADS
- ELECTRIC WELDING
- FUSION WELDING
- PRESSURE WELDING
- ULTRASONIC WELDING

### SPRAY CHARACTERISTICS

- RT ∞ CHARACTERISTICS
- SPRAYERS
- SPRAYING

### SPRAY CONDENSERS

- RT JET CONDENSERS
- SPRAYERS

**SPRAY INGESTION**

RT GAS TURBINES  
LANDING GEAR  
SALT SPRAY TESTS

**SPRAY NOZZLES**

RT ANNULAR NOZZLES  
CONICAL NOZZLES  
FUEL INJECTION  
FUEL SYSTEMS  
INJECTORS  
∞ NOZZLES  
ORIFICES  
SPRAYERS

**SPRAYED COATINGS**

UF SPRAYED PROTECTIVE COATINGS  
GS COATINGS  
RT **SPRAYED COATINGS**  
CERAMIC COATINGS  
FINISHES  
LACQUERS  
METAL COATINGS  
PAINTS  
PLASMA SPRAYING  
PLASTIC COATINGS  
PRIMERS (COATINGS)  
PROTECTIVE COATINGS  
VARNISHES

**SPRAYED PROTECTIVE COATINGS**

USE PROTECTIVE COATINGS  
SPRAYED COATINGS

**SPRAYERS**

UF SPRAYING APPARATUS  
SPRAYS  
RT ATOMIZERS  
BLOWERS  
COLLOIDAL GENERATORS  
CONTACTORS  
∞ CONTAINERS  
∞ DIFFUSERS  
DISPENSERS  
DISTRIBUTORS  
DROPS (LIQUIDS)  
EJECTORS  
FUEL SPRAYS  
∞ JETS  
MATERIALS HANDLING  
MIXERS  
∞ NOZZLES  
PROPELLANT SPRAYS  
SPRAY CHARACTERISTICS  
SPRAY CONDENSERS  
SPRAY NOZZLES  
SPRAYING  
VAPORIZERS

**SPRAYING**

GS **SPRAYING**  
ARC SPRAYING  
CROP DUSTING  
FLAME SPRAYING  
METAL SPRAYING  
PLASMA SPRAYING  
RT AERATION  
AEROSOLS  
ATOMIZING  
BLOWING  
COATING  
COATINGS  
DIFFUSION  
DISPERSING  
ENTRAINMENT  
FORMING TECHNIQUES  
FUMIGATION  
LIQUID ATOMIZATION  
METALLIZING  
MIXING  
PREMIXING  
SEALING  
SPRAY CHARACTERISTICS  
SPRAYERS  
SPRINKLING  
VAPORIZING  
WETTING

**SPRAYING APPARATUS**

USE SPRAYERS

**SPRAYS**

USE SPRAYERS

**SPREAD F**

RT F 2 REGION  
IONOSPHERIC STORMS  
MAGNETIC STORMS

**SPREAD REFLECTION**

GS REFLECTION  
RT **SPREAD REFLECTION**  
GLARE  
INFRARED REFLECTION  
OPTICAL REFLECTION  
SCATTERING  
SIGNAL REFLECTION  
ULTRAVIOLET REFLECTION  
WAVE REFLECTION

**SPREAD SPECTRUM TRANSMISSION**

GS TRANSMISSION  
ELECTROMAGNETIC WAVE  
TRANSMISSION  
RADIO TRANSMISSION  
RT **SPREAD SPECTRUM TRANSMISSION**  
COMMUNICATION  
FREQUENCY HOPPING

**SPREADING**

RT ADHESION  
COHESION  
DIFFUSION  
DISPERSING  
DISPOSAL  
DUMPING  
EMPTYING  
INTERFACIAL TENSION  
INTERNAL PRESSURE  
MATERIALS HANDLING  
SCATTERING  
∞ SEPARATION  
SPILLING  
SWELLING  
THROWING  
UNLOADING

**SPRING (SEASON)**

GS SEASONS  
RT **SPRING (SEASON)**  
AUTUMN  
SUMMER  
WINTER

**SPRINGS (ELASTIC)**

RT ∞ COILS  
ENERGY STORAGE  
FRAMES  
OSCILLATION DAMPERS  
OSCILLATIONS  
RESILIENCE  
SHOCK ABSORBERS  
SUSPENSION SYSTEMS (VEHICLES)  
VIBRATION ISOLATORS

**SPRINGS (WATER)**

GS RESOURCES  
EARTH RESOURCES  
RT **SPRINGS (WATER)**  
WATER  
RT **SPRINGS (WATER)**  
AQUIFERS  
FRESH WATER  
GROUND WATER  
INLAND WATERS  
LAKES  
OASES  
POTABLE WATER  
WATER TABLES  
WELLS

**SPRINKLING**

RT SCATTERING  
SPRAYING  
WETTING

**SPRINT MISSILE**

GS MISSILES  
ANTIMISSILE MISSILES  
RT **SPRINT MISSILE**  
SURFACE TO AIR MISSILES  
RT **SPRINT MISSILE**  
NIKE-ZEUS MISSILE  
SENTINEL SYSTEM  
SOLID PROPELLANT ROCKET ENGINES  
SPARTAN MISSILE

**SPUR (REACTORS)**

USE SPACE POWER UNIT REACTORS

**SPURT (TRAJECTORIES)**

USE SPINNING UNGUIDED ROCKET  
TRAJECTORY

**SPUTNIK SATELLITES**

GS ARTIFICIAL SATELLITES  
SOVIET SATELLITES  
RT **SPUTNIK SATELLITES**  
SPUTNIK 1 SATELLITE  
SPUTNIK 2 SATELLITE  
SPUTNIK 3 SATELLITE  
SPUTNIK 4 SATELLITE  
SPUTNIK 5 SATELLITE  
SOVIET SPACECRAFT  
RT **SPUTNIK SATELLITES**  
SPUTNIK 1 SATELLITE  
SPUTNIK 2 SATELLITE  
SPUTNIK 3 SATELLITE  
SPUTNIK 4 SATELLITE  
SPUTNIK 5 SATELLITE

**SPUTNIK 1 SATELLITE**

GS ARTIFICIAL SATELLITES  
METEOROLOGICAL SATELLITES  
RT **SPUTNIK 1 SATELLITE**  
SOVIET SATELLITES  
RT **SPUTNIK 1 SATELLITE**  
SOVIET SPACECRAFT  
SPUTNIK SATELLITES  
RT **SPUTNIK 1 SATELLITE**

**SPUTNIK 2 SATELLITE**

GS ARTIFICIAL SATELLITES  
BIOSATELLITES  
RT **SPUTNIK 2 SATELLITE**  
METEOROLOGICAL SATELLITES  
RT **SPUTNIK 2 SATELLITE**  
SOVIET SATELLITES  
RT **SPUTNIK 2 SATELLITE**  
SOVIET SPACECRAFT  
SPUTNIK SATELLITES  
RT **SPUTNIK 2 SATELLITE**

**SPUTNIK 3 SATELLITE**

GS ARTIFICIAL SATELLITES  
GEOPHYSICAL SATELLITES  
RT **SPUTNIK 3 SATELLITE**  
METEOROLOGICAL SATELLITES  
RT **SPUTNIK 3 SATELLITE**  
SOVIET SATELLITES  
RT **SPUTNIK 3 SATELLITE**  
SOVIET SPACECRAFT  
SPUTNIK SATELLITES  
RT **SPUTNIK 3 SATELLITE**

**SPUTNIK 4 SATELLITE**

GS ARTIFICIAL SATELLITES  
SOVIET SATELLITES  
RT **SPUTNIK 4 SATELLITE**  
SOVIET SPACECRAFT  
SPUTNIK SATELLITES  
RT **SPUTNIK 4 SATELLITE**

**SPUTNIK 5 SATELLITE**

GS ARTIFICIAL SATELLITES  
SOVIET SATELLITES  
RT **SPUTNIK 5 SATELLITE**  
SOVIET SPACECRAFT  
SPUTNIK SATELLITES  
RT **SPUTNIK 5 SATELLITE**  
VENUS PROBES

**SPUTTERING**

GS **SPUTTERING**  
MAGNETRON SPUTTERING  
RT ARC WELDING  
∞ BOMBARDMENT  
DEPOSITION  
DUOPLASMATRONS  
ELECTRON BOMBARDMENT  
EMISSION  
ION PLATING  
ION SOURCES  
METAL PARTICLES  
PLASMA ETCHING  
SURFACE FINISHING  
THERMAL INSTABILITY



## SPUTTERING GAGES

### SPUTTERING GAGES

GS MEASURING INSTRUMENTS  
 . SPUTTERING GAGES  
 RT METAL FILMS  
 THIN FILMS

### SQUALLS

GS WIND (METEOROLOGY)  
 . SQUALLS  
 RT GROUND WIND  
 STORMS (METEOROLOGY)

### SQUAMA

RT FISHES

### SQUARE WAVES

GS WAVEFORMS  
 . SQUARE WAVES  
 RT FORM FACTORS  
 PULSE AMPLITUDE  
 PULSE DURATION  
 SAWTOOTH WAVEFORMS  
 TIME FUNCTIONS  
 WAVE FUNCTIONS  
 WAVE PROPAGATION  
 ∞ WAVES

### SQUARE WELLS

RT ELECTRON MOBILITY  
 MAGNETIC FIELDS  
 PHOTOCONDUCTIVITY  
 VACANCIES (CRYSTAL DEFECTS)  
 WELLS

### SQUARES (MATHEMATICS)

GS GEOMETRY  
 . EUCLIDEAN GEOMETRY  
 . . . POLYGONS  
 . . . TETRAGONS  
 . . . SQUARES (MATHEMATICS)

### SQUEEZE FILMS

GS FLUID FILMS  
 . SQUEEZE FILMS  
 RT BOUNDARY LUBRICATION  
 ELASTOHYDRODYNAMICS  
 ∞ FILMS  
 GAS BEARINGS  
 GAS LUBRICANTS  
 LIQUID-SOLID INTERFACES  
 LUBRICANTS  
 THIN FILMS  
 VISCOELASTICITY  
 VISCOUS FLUIDS

### SQUEEZED STATES (QUANTUM THEORY)

UF TWO PHOTON COHERENT STATES  
 RT COHERENT ELECTROMAGNETIC  
 RADIATION  
 COHERENT LIGHT  
 ELECTROMAGNETIC FIELDS  
 FLUCTUATION THEORY  
 LIGHT TRANSMISSION  
 ∞ OPTICS  
 PHOTON DENSITY  
 QUANTUM MECHANICS  
 QUANTUM THEORY

### SQUEEZING

USE COMPRESSING

### SQUELCH CIRCUITS

GS CIRCUITS  
 . SQUELCH CIRCUITS  
 RT BACKGROUND NOISE  
 ELECTROMAGNETIC NOISE  
 NOISE REDUCTION  
 SILENCERS  
 SUPPRESSORS  
 SWITCHING CIRCUITS

### SQUIBS

UF XM-6 SQUIB  
 XM-8 SQUIB  
 GS IGNITERS  
 . SQUIBS  
 RT ELECTRIC IGNITION  
 IGNITION SYSTEMS  
 PRIMERS (EXPLOSIVES)  
 SOLID PROPELLANT IGNITION  
 STARTERS

### SQUID (DETECTORS)

UF SUPERCONDUCTING QUANTUM  
 INTERFEROMETERS  
 RT ∞ DETECTORS  
 JOSEPHSON JUNCTIONS  
 MAGNETIC MEASUREMENT  
 QUANTUM COUNTERS  
 SUPERCONDUCTORS

### SQUID PROJECT

GS PROGRAMS  
 . PROJECTS  
 . . SQUID PROJECT  
 RT JET PROPULSION

### SQUIRRELS

GS ANIMALS  
 . VERTEBRATES  
 . . MAMMALS  
 . . . RODENTS  
 . . . . SQUIRRELS  
 . . . . . GROUND SQUIRRELS

### SR (REACTORS)

USE SATURABLE REACTORS

### SR-N2 GROUND EFFECT MACHINE

USE WESTLAND GROUND EFFECT MACHINES

### SR-N3 GROUND EFFECT MACHINE

USE WESTLAND GROUND EFFECT MACHINES

### SR-N5 GROUND EFFECT MACHINE

USE WESTLAND GROUND EFFECT MACHINES

### SRB (SOLID ROCKET BOOSTERS)

USE SPACE SHUTTLE BOOSTERS

### SRE REACTOR

USE SODIUM REACTOR EXPERIMENT

### SRET SATELLITES

GS ARTIFICIAL SATELLITES  
 . FRENCH SATELLITES  
 . . SRET SATELLITES  
 . . . SRET 1 SATELLITE  
 . . . SRET 2 SATELLITE  
 . . . METEOROLOGICAL SATELLITES  
 . . . SRET SATELLITES  
 . . . SRET 1 SATELLITE  
 . . . SRET 2 SATELLITE  
 RT FRENCH SPACE PROGRAMS

### SRET 1 SATELLITE

GS ARTIFICIAL SATELLITES  
 . FRENCH SATELLITES  
 . . SRET SATELLITES  
 . . . SRET 1 SATELLITE  
 . . . METEOROLOGICAL SATELLITES  
 . . . SRET SATELLITES  
 . . . SRET 1 SATELLITE  
 RT FRENCH SPACE PROGRAMS

### SRET 2 SATELLITE

GS ARTIFICIAL SATELLITES  
 . FRENCH SATELLITES  
 . . SRET SATELLITES  
 . . . SRET 2 SATELLITE  
 . . . METEOROLOGICAL SATELLITES  
 . . . SRET SATELLITES  
 . . . SRET 2 SATELLITE

### SRI LANKA

UF CEYLON  
 GS NATIONS  
 . SRI LANKA  
 RT ASIA

### SS-11 MISSILE

GS MISSILES  
 . SS-11 MISSILE  
 RT MULTISTAGE ROCKET VEHICLES  
 SOLID PROPELLANT ROCKET ENGINES

### SSGS (STANDARDIZED SPACE GUIDANCE)

USE STANDARDIZED SPACE GUIDANCE

### SSUS-A

USE SPACE SHUTTLE UPPER STAGE A

### SSUS-D

USE SPACE SHUTTLE UPPER STAGE D

### ST LAWRENCE VALLEY (NORTH AMERICA)

GS LANDFORMS  
 . ST LAWRENCE VALLEY (NORTH  
 AMERICA)  
 VALLEYS  
 . ST LAWRENCE VALLEY (NORTH  
 AMERICA)  
 RT CANADA  
 MAINE  
 NEW HAMPSHIRE  
 NEW YORK  
 VERMONT

### ST LOUIS-KANSAS CITY CORRIDOR (MO)

GS CORRIDORS  
 . ST LOUIS-KANSAS CITY CORRIDOR  
 (MO)  
 RT MISSOURI  
 REGIONAL PLANNING

### ST VENANT FLEXURE PROBLEM

USE SAINT VENANT PRINCIPLE

### STABILITY

UF INSTABILITY  
 GS STABILITY  
 . ACOUSTIC INSTABILITY  
 . BAROCLINIC INSTABILITY  
 . DYNAMIC STABILITY  
 . . COMBUSTION STABILITY  
 . . . FLAME STABILITY  
 . . . CONTROL STABILITY  
 . . . FREQUENCY STABILITY  
 . . . MOTION STABILITY  
 . . . AERODYNAMIC STABILITY  
 . . . AIRCRAFT STABILITY  
 . . . HOVERING STABILITY  
 . . . ATTITUDE STABILITY  
 . . . DIRECTIONAL STABILITY  
 . . . GYROSCOPIC STABILITY  
 . . . LATERAL STABILITY  
 . . . LONGITUDINAL STABILITY  
 . . . FLOW STABILITY  
 . . . BOUNDARY LAYER STABILITY  
 . . . FLAME STABILITY  
 . . . MAGNETOHYDRODYNAMIC  
 STABILITY  
 . . . WEIBEL INSTABILITY  
 . . . LOW SPEED STABILITY  
 . . . ROTARY STABILITY  
 . . . GYROSCOPIC STABILITY  
 . . . SPACECRAFT STABILITY  
 . . . GOERTLER INSTABILITY  
 . . . MAGNETOSPHERIC INSTABILITY  
 . . . STATIC STABILITY  
 . . . DIMENSIONAL STABILITY  
 . . . STRUCTURAL STABILITY  
 . . . SHELL STABILITY  
 . . . STORAGE STABILITY  
 . . . SURFACE STABILITY  
 . . . SYSTEMS STABILITY  
 . . . THERMAL STABILITY  
 RT AMPLIFICATION  
 BALLAST (MASS)  
 COMPATIBILITY  
 CONTROLLABILITY  
 ∞ DRIFT  
 DRIFT RATE  
 DURABILITY  
 DYNAMIC CHARACTERISTICS  
 EQUATIONS OF MOTION  
 ∞ EQUILIBRIUM  
 METASTABLE STATE  
 QUALITY  
 RELIABILITY  
 ∞ RESISTANCE  
 SAFETY FACTORS  
 SPACECRAFT MOTION  
 STABILIZERS (AGENTS)  
 STEADY STATE  
 TOLERANCES (MECHANICS)  
 TRESKA FLOW  
 UNITY  
 UNSTEADY STATE  
 VARIABILITY  
 VLASOV EQUATIONS  
 VULNERABILITY

### STABILITY AUGMENTATION

GS AUGMENTATION  
 . STABILITY AUGMENTATION  
 RT AERODYNAMIC STABILITY  
 AIRCRAFT CONTROL  
 ATTITUDE (INCLINATION)  
 AUTOMATIC CONTROL

## STANDARD DEVIATION

### STABILITY AUGMENTATION-(CONT.)

CONTROL STABILITY  
DIRECTIONAL STABILITY  
FEEDBACK CONTROL  
FLIGHT CONTROL  
LATERAL OSCILLATION  
PITCH (INCLINATION)

### STABILITY DERIVATIVES

UF AERODYNAMIC MOMENTS  
GS MOMENTS  
STABILITY DERIVATIVES  
PITCHING MOMENTS  
ROLLING MOMENTS  
YAWING MOMENTS  
RT COMPLEX VARIABLES  
DAMPING  
DIFFERENTIAL EQUATIONS  
MOMENTS OF INERTIA  
REAL VARIABLES  
VECTOR ANALYSIS

### STABILITY TESTS

GS STABILITY TESTS  
FLIGHT STABILITY TESTS  
WIND TUNNEL STABILITY TESTS  
RT CORROSION TESTS  
DAMPING TESTS  
ELECTRONIC EQUIPMENT TESTS  
FLIGHT TESTS  
FUEL TESTS  
GROUND TESTS  
MISSILE TESTS  
PROPELLANT TESTS  
RESONANCE TESTING  
TESTS  
VIBRATION TESTS

### STABILIZATION

UF MISSILE STABILIZATION  
GS STABILIZATION  
SIGNAL STABILIZATION  
SPIN STABILIZATION  
THREE AXIS STABILIZATION  
RT ACID BASE EQUILIBRIUM  
BALANCING  
CONSOLIDATION  
CONTROL  
EQUILIBRIUM  
HEAT TREATMENT  
HORIZONTAL ORIENTATION  
LASER GYROSCOPES  
STABILIZERS (AGENTS)  
STRESS RELIEVING  
VERTICAL ORIENTATION

### STABILIZED PLATFORMS

RT GIMBALS  
GYROSCOPIC STABILITY  
GYROSTABILIZERS  
INERTIAL GUIDANCE  
PLATFORMS  
THREE AXIS STABILIZATION

### STABILIZERS

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
RT GYROSCOPES  
SEA KEEPING  
STABILIZERS (AGENTS)  
STABILIZERS (FLUID DYNAMICS)

### STABILIZERS (AGENTS)

RT ADDITIVES  
AGENTS  
ANTICOAGULANTS  
ANTIOXIDANTS  
NEUTRALIZERS  
PRESERVATIVES  
RETARDANTS  
STABILITY  
STABILIZATION  
STABILIZERS

### STABILIZERS (FLUID DYNAMICS)

UF HORIZONTAL STABILIZERS  
VERTICAL STABILIZERS  
VERTICAL TAILS  
GS STABILIZERS (FLUID DYNAMICS)  
HORIZONTAL TAIL SURFACES  
RT AERIAL RUDDERS  
AIRFOILS  
CONTROL SURFACES  
DYNAMICS

### STABILIZERS (FLUID DYNAMICS)-(CONT.)

ELEVATORS (CONTROL SURFACES)  
FINS  
KEELS  
RUDDERS  
STABILIZERS  
SWEPTBACK TAIL SURFACES  
T TAIL SURFACES  
TABS (CONTROL SURFACES)  
TAIL ASSEMBLIES  
TAIL SURFACES  
TRAPEZOIDAL TAIL SURFACES

### STABLE OSCILLATIONS

GS OSCILLATIONS  
STABLE OSCILLATIONS  
RT DYNAMIC STABILITY  
FREQUENCY STABILITY  
GYROSCOPIC STABILITY  
MOTION STABILITY  
NONSTABILIZED OSCILLATION  
PILOT INDUCED OSCILLATION  
RESONANT VIBRATION  
TRANSVERSE OSCILLATION  
UNDAMPED OSCILLATIONS  
WING OSCILLATIONS

### STACKING FAULT ENERGY

RT CRYSTAL DEFECTS  
ENERGY  
TWINNING

### STACKING FAULTS

USE CRYSTAL DEFECTS

### STACKS

RT CHIMNEYS  
CRYSTAL DEFECTS  
MATERIALS HANDLING

### STADAN (SATELLITE TRACKING NETWORK)

USE STDN (NETWORK)

### STADIMETERS

GS MEASURING INSTRUMENTS  
DISTANCE MEASURING EQUIPMENT  
STADIMETERS  
RT RANGE FINDERS  
SEXTANTS

### STAGE SEPARATION

UF STAGING (ROCKETS)  
RT BOOSTER ROCKET ENGINES  
EXPENDABLE STAGES (SPACECRAFT)  
INTERIM STAGES (SPACECRAFT)  
LUNAR MODULE ASCENT STAGE  
MISSILES  
MULTISTAGE ROCKET VEHICLES  
PROPELLANT MASS RATIO  
ROCKET VEHICLES  
SEPARATION  
SPACE SHUTTLE ASCENT STAGE  
SUSTAINER ROCKET ENGINES  
THRUST TERMINATION  
UPPER STAGE ROCKET ENGINES

### STAGGERING

RT CONFIGURATIONS  
DISORIENTATION

### STAGING (ROCKETS)

USE STAGE SEPARATION

### STAGNATION FLOW

GS FLUID FLOW  
INVISCID FLOW  
STAGNATION FLOW  
RT BOUNDARY LAYER FLOW  
BOUNDARY LAYER SEPARATION  
COMPRESSIBLE FLOW  
STAGNATION POINT

### STAGNATION POINT

UF STAGNATION REGION  
RT BLUNT BODIES  
BOUNDARY LAYER FLOW  
FLOW DISTRIBUTION  
FLUID DYNAMICS  
HEAT TRANSFER  
STAGNATION FLOW

### STAGNATION PRESSURE

GS PRESSURE  
STAGNATION PRESSURE

### STAGNATION PRESSURE-(CONT.)

RT COMPRESSIBLE FLOW  
INLET PRESSURE

### STAGNATION REGION

USE STAGNATION POINT

### STAGNATION TEMPERATURE

GS TEMPERATURE  
STAGNATION TEMPERATURE  
RT ADIABATIC FLOW  
COMPRESSIBLE FLOW  
INVISCID FLOW

### STAINING

RT CHEMICAL TESTS  
DISCOLORATION  
MARKING  
METHYLENE  
METHYLENE BLUE

### STAINLESS STEELS

GS ALLOYS  
IRON ALLOYS  
STEELS  
STAINLESS STEELS  
AUSTENITIC STAINLESS STEELS  
FERRITIC STAINLESS STEELS  
MARTENSITIC STAINLESS STEELS  
RT CHROMIUM ALLOYS  
MARAGING STEELS  
MOLYBDENUM ALLOYS  
NICKEL ALLOYS  
NICKEL STEELS

### STAIRCASES

USE STAIRWAYS

### STAIRSTEPS

RT BACKWARD FACING STEPS  
FORMATIONS  
STEPS  
TOPOGRAPHY

### STAIRWAYS

UF STAIRCASES  
RT BUILDINGS  
ESCALATORS  
LADDERS  
TREADS

### STALLING

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
RT AERODYNAMIC STALLING  
BOUNDARY LAYER SEPARATION  
ENGINE FAILURE

### STAMPING

SN (EXCLUDES IDENTIFICATION MARKING)  
GS FORMING TECHNIQUES  
PRESSING (FORMING)  
STAMPING  
RT BLANKING  
BLANKING (CUTTING)  
COINING  
COLD WORKING  
DIES  
DIMPLING  
FORGING  
HOT ISOSTATIC PRESSING  
HOT PRESSING  
METAL WORKING  
PUNCHES  
SHEARING  
SWAGING  
UPSETTING

### STANDARD ATMOSPHERES

USE REFERENCE ATMOSPHERES

### STANDARD DEVIATION

GS MOMENTS  
DISTRIBUTION MOMENTS  
STANDARD DEVIATION  
STATISTICAL ANALYSIS  
STANDARD DEVIATION  
RT CONFIDENCE LIMITS  
ESTIMATING  
HETEROGENEITY  
QUALITY CONTROL  
RANGE (EXTREMES)  
VARIABILITY

## STANDARD LAUNCH VEHICLE 3

### STANDARD DEVIATION-(CONT.) VARIANCE (STATISTICS)

### STANDARD LAUNCH VEHICLE 3 USE ATLAS SLV-3 LAUNCH VEHICLE

### STANDARD LAUNCH VEHICLE 5 GS LAUNCH VEHICLES . STANDARD LAUNCH VEHICLES . . . STANDARD LAUNCH VEHICLE 5 ROCKET VEHICLES . STANDARD LAUNCH VEHICLES . . . STANDARD LAUNCH VEHICLE 5

### STANDARD LAUNCH VEHICLES UF SLV GS LAUNCH VEHICLES . STANDARD LAUNCH VEHICLES . . . ATLAS SLV-3 LAUNCH VEHICLE . . . STANDARD LAUNCH VEHICLE 5 ROCKET VEHICLES . STANDARD LAUNCH VEHICLES . . . ATLAS SLV-3 LAUNCH VEHICLE . . . STANDARD LAUNCH VEHICLE 5 RT ATLAS D ICBM ∞ VEHICLES

### STANDARDIZATION GS STANDARDIZATION . COMMONALITY RT CALIBRATING METRICATION NAMING NUMERICAL CONTROL PRODUCT DEVELOPMENT PRODUCTION ENGINEERING QUALITY CONTROL SPECIFICATIONS STANDARDS VARIABILITY

### STANDARDIZED SPACE GUIDANCE UF SSGS (STANDARDIZED SPACE GUIDANCE) GS GUIDANCE (MOTION) . STANDARDIZED SPACE GUIDANCE RT SPACE NAVIGATION

### STANDARDS UF REFERENCES (STANDARDS) GS STANDARDS . FREQUENCY STANDARDS . REFERENCE ATMOSPHERES RT ACCEPTABILITY ACCURACY CALIBRATING ∞ CODES CONVENTIONS CRITERIA INSPECTION ∞ MEASUREMENT ∞ MEASURES METROLOGY ∞ PERFORMANCE PERFORMANCE TESTS QUALITY CONTROL RELIABILITY SAMPLING SPECIFICATIONS STANDARDIZATION TEMPERATURE SCALES TOLERANCES (MECHANICS) VALIDITY VALUE ENGINEERING

### STANDING WAVE RATIOS GS RATIOS . STANDING WAVE RATIOS RT AMPLITUDES ELECTRICAL PROPERTIES SMITH CHART TRANSMISSION LINES

### STANDING WAVES RT ANTINODES BEAT FREQUENCIES FREQUENCIES HARMONICS NODES (STANDING WAVES) ∞ RADIATION RESONANT FREQUENCIES VIBRATION WAVELENGTHS ∞ WAVES

### STANDS USE SUPPORTS

### STANNATES GS TIN COMPOUNDS . STANNATES RT ∞ OXYGEN COMPOUNDS

### STANNIDES GS TIN COMPOUNDS . STANNIDES . . . NIOBIUM STANNIDES RT TIN ALLOYS

### STANTON NUMBER GS RATIOS . DIMENSIONLESS NUMBERS . STANTON NUMBER RT FORCED CONVECTION HEAT TRANSFER

### STAPHYLOCOCCUS GS MICROORGANISMS . BACTERIA . STAPHYLOCOCCUS RT PLEUROTIN

### STAR CLUSTERS GS CELESTIAL BODIES . STAR CLUSTERS . . . GLOBULAR CLUSTERS . . . HORIZONTAL BRANCH STARS . . . OPEN CLUSTERS . . . PLEIADES CLUSTER . . . PRAESEPE STAR CLUSTERS RT BARRED GALAXIES BINARY STARS ∞ CLUSTERS COLOR-MAGNITUDE DIAGRAM DISK GALAXIES ELLIPTICAL GALAXIES GALACTIC CLUSTERS GALAXIES IRREGULAR GALAXIES MAGELLANIC CLOUDS METALLICITY SOLAR NEIGHBORHOOD STARS STELLAR SYSTEMS VIRGO GALACTIC CLUSTER

### STAR DISTRIBUTION UF STAR FIELDS STELLAR FIELDS GS DISTRIBUTION (PROPERTY) . SPATIAL DISTRIBUTION . . . STAR DISTRIBUTION . VERTICAL DISTRIBUTION . . . STAR DISTRIBUTION RT ANGULAR DISTRIBUTION ASTROLABES BARRED GALAXIES COSMOLOGY GALACTIC CLUSTERS GALACTIC EVOLUTION GLOBULAR CLUSTERS MASS DISTRIBUTION RADIAL DISTRIBUTION STAR FORMATION STELLAR SYSTEMS VIRGO GALACTIC CLUSTER

### STAR FIELDS USE STAR DISTRIBUTION

### STAR FORMATION GS EVOLUTION (DEVELOPMENT) . STELLAR EVOLUTION . . . STAR FORMATION RT ASTROPHYSICS COOLING FLOWS (ASTROPHYSICS) COSMOLOGY EARLY STARS HYDROGEN CLOUDS INTERSTELLAR GAS INTERSTELLAR MATTER MOLECULAR CLOUDS NEBULAE NUCLEAR FUSION PRE-MAIN SEQUENCE STARS PROTOSTARS STAR DISTRIBUTION STAR FORMATION RATE STARBURST GALAXIES STARS

### STAR FORMATION-(CONT.) STELLAR MASS ACCRETION T TAURI STARS

### STAR FORMATION RATE RT GALACTIC EVOLUTION GALAXIES STAR FORMATION STARBURST GALAXIES STELLAR EVOLUTION

### STAR TRACKERS UF STAR TRACKING GS TRACKING (POSITION) . STAR TRACKERS . . . CCD STAR TRACKER RT ASTROGUIDE NAVIGATION SYSTEM ASTROLABES ATTITUDE CONTROL CELESTIAL NAVIGATION CHARGE INJECTION DEVICES FLIGHT INSTRUMENTS GUIDANCE SENSORS INERTIAL NAVIGATION MISSILE CONTROL NAVIGATION NAVIGATION AIDS NAVIGATION INSTRUMENTS SOLAR SENSORS SPACECRAFT GUIDANCE

### STAR TRACKING USE STAR TRACKERS

### STARBURST GALAXIES GS CELESTIAL BODIES . GALAXIES . . . STARBURST GALAXIES RT GALACTIC NUCLEI STAR FORMATION STAR FORMATION RATE

### STARCHES GS ORGANIC COMPOUNDS . CARBOHYDRATES . . . POLYSACCHARIDES . . . STARCHES RT CHITIN ∞ FOOD SIZING MATERIALS

### STARFIGHTER AIRCRAFT USE F-104 AIRCRAFT

### STARK EFFECT RT ∞ EFFECTS ELECTRIC FIELDS ELECTRO-OPTICS HYDROGEN PLASMA LINE SPECTRA RESOLUTION SPECTRUM ANALYSIS ZEEMAN EFFECT

### STARLAB UF SPACELAB UV-OPTICAL TELESCOPE FACILITY GS TELESCOPES . SPACEBORNE TELESCOPES . . . STARLAB . . . ULTRAVIOLET TELESCOPES . . . STARLAB RT ∞ OPTICS SPACE SHUTTLE PAYLOADS SPACELAB

### STARLIFTER AIRCRAFT USE C-141 AIRCRAFT

### STARPROBE MISSION GS PROGRAMS . NASA PROGRAMS . . . NASA SPACE PROGRAMS . . . STARPROBE MISSION . . . SPACE PROGRAMS . . . NASA SPACE PROGRAMS . . . STARPROBE MISSION SPACE MISSIONS . STARPROBE MISSION RT STARPROBE SPACECRAFT

### STARPROBE SPACECRAFT GS UNMANNED SPACECRAFT . SPACE PROBES

**STARPROBE SPACECRAFT-(CONT.)**

.. SOLAR PROBES  
.. **STARPROBE SPACECRAFT**  
RT STARPROBE MISSION

**STARS**

GS CELESTIAL BODIES  
.. **STARS**  
.. BLACK HOLES (ASTRONOMY)  
.. DOUBLE STARS  
.. BINARY STARS  
.. CATAclysmic VARIABLES  
.. COMPANION STARS  
.. NEMESIS (STAR)  
.. ECLIPSING BINARY STARS  
.. DWARF NOVAE  
.. LAMBDA TAURI STARS  
.. ZETA AURIGAE STAR  
.. SIGMA ORIONIS  
.. SYMBIOTIC STARS  
.. EARLY STARS  
.. HOT STARS  
.. A STARS  
.. B STARS  
.. SIGMA ORIONIS  
.. BLUE STARS  
.. O STARS  
.. WHITE DWARF STARS  
.. WOLF-RAYET STARS  
.. F STARS  
.. G STARS  
.. SUN  
.. GIANT STARS  
.. ASYMPTOTIC GIANT BRANCH STARS  
.. OMICRON CETI STAR  
.. RED GIANT STARS  
.. CARBON STARS  
.. INFRARED STARS  
.. LATE STARS  
.. COOL STARS  
.. CARBON STARS  
.. FLARE STARS  
.. K STARS  
.. M STARS  
.. VAN BIESBROECK STAR  
.. MIRA VARIABLES  
.. OMICRON CETI STAR  
.. S STARS  
.. MAGNETIC STARS  
.. MAIN SEQUENCE STARS  
.. DWARF STARS  
.. DWARF NOVAE  
.. FLARE STARS  
.. RED DWARF STARS  
.. SUN  
.. METALLIC STARS  
.. NEUTRON STARS  
.. PULSARS  
.. PECULIAR STARS  
.. SIGMA ORIONIS  
.. SYMBIOTIC STARS  
.. PRAESEPE STAR CLUSTERS  
.. PROTOSTARS  
.. PRE-MAIN SEQUENCE STARS  
.. T TAURI STARS  
.. RADIO STARS  
.. PULSARS  
.. REFERENCE STARS  
.. SUBDWARF STARS  
.. SUBGIANT STARS  
.. SUPERGIANT STARS  
.. R CORONAE BOREALIS STARS  
.. SUPERMASSIVE STARS  
.. VARIABLE STARS  
.. CATAclysmic VARIABLES  
.. CEPHEID VARIABLES  
.. FLARE STARS  
.. IRREGULAR VARIABLE STARS  
.. R CORONAE BOREALIS STARS  
.. LAMBDA TAURI STARS  
.. MIRA VARIABLES  
.. OMICRON CETI STAR  
.. NOVAE  
.. DWARF NOVAE  
.. HERCULES NOVA  
.. SEMIREGULAR VARIABLE STARS  
.. SUPERNOVAE  
.. SUPERNOVA 1987A  
.. SYMBIOTIC STARS  
.. T TAURI STARS  
.. WHITE HOLES (ASTRONOMY)  
.. X RAY STARS  
RT ARIES CONSTELLATION  
ASTROLABES  
BARRED GALAXIES

**STARS-(CONT.)**

CASSIOPEIA CONSTELLATION  
CELESTIAL MECHANICS  
CENTAURUS CONSTELLATION  
CONSTELLATIONS  
CORONA BOREALIS CONSTELLATION  
CYGNUS CONSTELLATION  
FAINT OBJECTS  
GALAXIES  
IRREGULAR GALAXIES  
LYRA CONSTELLATION  
MAGELLANIC CLOUDS  
METALLICITY  
MILKY WAY GALAXY  
QUASARS  
SOLAR NEIGHBORHOOD  
STAR CLUSTERS  
STAR FORMATION  
STARSPOTS  
STELLAR ACTIVITY  
STELLAR COMPOSITION  
STELLAR CORES  
STELLAR GRAVITATION  
STELLAR INTERIORS  
STELLAR MAGNITUDE  
STELLAR OSCILLATIONS  
VIRGO GALACTIC CLUSTER

**STARS (MATHEMATICS)**

RT  $\infty$  MATHEMATICS

**STARSAT TELESCOPE**

GS TELESCOPES  
.. REFLECTING TELESCOPES  
.. **STARSAT TELESCOPE**  
.. SPACEBORNE TELESCOPES  
.. **STARSAT TELESCOPE**  
RT CORONAGRAPHS  
SPACEBORNE ASTRONOMY  
SPECTROHELIOGRAPHS  
ULTRAVIOLET ASTRONOMY

**STARSITE PROGRAM**

GS PROGRAMS  
.. **STARSITE PROGRAM**  
RT ARCHITECTURE  
BUILDINGS  
COMMUNITIES  
CONFERENCES  
CONSTRUCTION  
DECISION MAKING  
 $\infty$  DEVELOPMENT  
ENVIRONMENTAL ENGINEERING  
INFORMATION RETRIEVAL  
LAND USE  
MANAGEMENT METHODS  
NASA PROGRAMS  
PLANNING  
RECREATION  
SHELTERS  
SOCIAL FACTORS  
TECHNOLOGY TRANSFER  
URBAN DEVELOPMENT  
URBAN PLANNING

**STARSPOTS**

GS STELLAR ACTIVITY  
.. **STARSPOTS**  
RT FACULAE  
MAGNETIC DISTURBANCES  
PHOTOSPHERE  
SOLAR ACTIVITY  
STARS  
STELLAR ATMOSPHERES  
STELLAR LUMINOSITY  
STELLAR MAGNETIC FIELDS  
STELLAR RADIATION  
SUNSPOT CYCLE  
TWENTY-SEVEN DAY VARIATION

**STARTERS**

GS **STARTERS**  
.. ENGINE STARTERS  
RT ACTUATORS  
IGNITION SYSTEMS  
SQUIBS  
STARTING

**STARTING**

GS **STARTING**  
.. AIR START  
RT ACTIVATION  
ACTUATION  
CYCLES  
ELECTRIC IGNITION

**STARTING-(CONT.)**

ENGINE PRIMERS  
EXCITATION  
FIRING (IGNITING)  
IGNITION  
INITIATION  
LAUNCHING  
 $\infty$  PRIMING  
REACTOR STARTUP TESTS  
STARTERS  
STIMULATION

**STATE EQUATIONS**

USE EQUATIONS OF STATE

**STATE ESTIMATION**

RT ALGORITHMS  
KALMAN FILTERS  
LINEAR SYSTEMS  
ORBITAL POSITION ESTIMATION  
STATE VECTORS  
STOCHASTIC PROCESSES

**STATE VECTORS**

GS ALGEBRA  
.. VECTOR SPACES  
.. VECTORS (MATHEMATICS)  
.. **STATE VECTORS**  
RT OBSERVABILITY (SYSTEMS)  
PHASE-SPACE INTEGRAL  
STATE ESTIMATION  
STEADY STATE  
STRANGE ATTRACTORS

**STATIC AERODYNAMIC CHARACTERISTICS**

GS AERODYNAMIC CHARACTERISTICS  
.. **STATIC AERODYNAMIC CHARACTERISTICS**  
.. STATIC CHARACTERISTICS  
.. **STATIC AERODYNAMIC CHARACTERISTICS**  
RT AERODYNAMIC BALANCE  
AERODYNAMIC STABILITY  
 $\infty$  CHARACTERISTICS

**STATIC ALTERNATORS**

GS ELECTRIC GENERATORS  
.. ROTATING GENERATORS  
.. AC GENERATORS  
.. **STATIC ALTERNATORS**

**STATIC CHARACTERISTICS**

SN (EXCLUDES STATICS)  
GS **STATIC CHARACTERISTICS**  
.. STATIC AERODYNAMIC CHARACTERISTICS  
RT STATIC LOADS  
STATIC STABILITY  
STATIC TESTS

**STATIC DEFORMATION**

GS DEFORMATION  
.. **STATIC DEFORMATION**  
RT CREEP PROPERTIES  
MAXWELL-MOHR METHOD  
SAINT VENANT PRINCIPLE

**STATIC DISCHARGERS**

UF ANTISTATIC DEVICES  
GS DISCHARGERS  
.. **STATIC DISCHARGERS**

**STATIC ELECTRICITY**

GS ELECTRICITY  
.. **STATIC ELECTRICITY**  
RT ATMOSPHERIC ELECTRICITY  
ATMOSPHERICS  
ELECTRIC CORONA  
ELECTRIC FIELDS  
ELECTRIC POTENTIAL  
ELECTRIC SPARKS  
ELECTROSTATIC CHARGE  
ELECTROSTATICS  
LIGHTNING  
OPEN CIRCUIT VOLTAGE  
SPACE CHARGE

**STATIC FIRING**

GS CAPTIVE TESTS  
.. STATIC TESTS  
.. **STATIC FIRING**  
ENGINE TESTS  
.. **STATIC FIRING**  
FIRING (IGNITING)

## STATIC FRICTION

### STATIC FIRING-(CONT.)

- . TEST FIRING
- . . . **STATIC FIRING**
- GROUND TESTS
- . PRELAUNCH TESTS
- . . . **STATIC FIRING**
- RT ROCKET FIRING

### STATIC FRICTION

- GS FRICTION
- . **STATIC FRICTION**
- RT COEFFICIENT OF FRICTION
- DRY FRICTION
- FRICTION MEASUREMENT
- KINETIC FRICTION
- SLIDING
- SLIDING FRICTION

### STATIC INVERTERS

- GS INVERTERS
- . **STATIC INVERTERS**
- RT ELECTRIC GENERATORS

### STATIC LOADS

- UF DEADWEIGHT
- GS LOADS (FORCES)
- . **STATIC LOADS**
- RT AERODYNAMIC LOADS
- AXIAL COMPRESSION LOADS
- AXIAL LOADS
- BALLAST (MASS)
- BENDING MOMENTS
- COMPRESSION LOADS
- CRITICAL LOADING
- DYNAMIC LOADS
- EDGE LOADING
- LOADING MOMENTS
- MASS DISTRIBUTION
- MOMENT DISTRIBUTION
- PRESSURE DISTRIBUTION
- RANDOM LOADS
- SAINT VENANT PRINCIPLE
- STATIC CHARACTERISTICS
- STRUCTURAL DESIGN CRITERIA
- WING LOADING

### STATIC MODELS

- GS MODELS
- . **STATIC MODELS**
- RT APPROXIMATION
- DYNAMIC MODELS
- OPTIMIZATION

### STATIC PRESSURE

- GS PRESSURE
- . **STATIC PRESSURE**
- . . . HYDROSTATIC PRESSURE
- RT ISOSTATIC PRESSURE
- PITOT TUBES
- SOUND PRESSURE

### STATIC STABILITY

- GS STABILITY
- . **STATIC STABILITY**
- . . . DIMENSIONAL STABILITY
- . . . STRUCTURAL STABILITY
- . . . SHELL STABILITY
- RT AIRCRAFT STABILITY
- COUNTERBALANCES
- DRIFT (INSTRUMENTATION)
- DYNAMIC STABILITY
- MAGNETOHYDROSTATICS
- STATIC CHARACTERISTICS
- STORAGE STABILITY
- STRATIFICATION
- SURFACE STABILITY

### STATIC TESTS

- SN (ENCOMPASSES MATERIALS, ENGINE, AND VEHICLE TESTS)
- GS CAPTIVE TESTS
- . **STATIC TESTS**
- . . . **STATIC FIRING**
- RT COLD FLOW TESTS
- COMPRESSION TESTS
- CREEP TESTS
- DYNAMIC TESTS
- ENGINE TESTS
- FATIGUE TESTS
- GROUND TESTS
- HARDNESS TESTS
- INSPECTION
- LOAD TESTS
- ∞ MATERIALS TESTS
- MISSILE TESTS

### STATIC TESTS-(CONT.)

- NONDESTRUCTIVE TESTS
- PREFIRING TESTS
- PRELAUNCH TESTS
- QUALITY CONTROL
- RESONANCE TESTING
- STATIC CHARACTERISTICS
- TENSILE TESTS
- TEST FIRING
- ∞ TESTS
- VIBRATION TESTS
- WEAR TESTS

### STATIC THRUST

- GS THRUST
- . **STATIC THRUST**
- RT JET THRUST
- ROCKET THRUST

### STATICS

- GS **STATICS**
- . AEROSTATICS
- . ELECTROSTATICS
- . HYDROSTATICS
- . . . MAGNETOHYDROSTATICS
- RT ∞ DYNAMICS
- ELASTOSTATICS
- ∞ EQUILIBRIUM
- FLUID MECHANICS
- ∞ MECHANICS (PHYSICS)

### STATIONARY ORBITS

- GS ORBITS
- . CIRCULAR ORBITS
- . . . **STATIONARY ORBITS**
- . . . EQUATORIAL ORBITS
- . . . **STATIONARY ORBITS**
- . . . SPACECRAFT ORBITS
- . . . SATELLITE ORBITS
- . . . **STATIONARY ORBITS**
- RT EARTH ORBITS
- GEOSYNCHRONOUS ORBITS
- SYNCHRONOUS SATELLITES
- TWENTY-FOUR HOUR ORBITS

### STATIONKEEPING

- RT GUIDANCE (MOTION)
- NAVIGATION
- ORBITAL MECHANICS
- ORBITS
- PAYLOAD RETRIEVAL (STS)
- POSITIONING
- SPACECRAFT CONTROL

### STATIONS

- GS **STATIONS**
- . CREW WORKSTATIONS
- . . . CREW EXPERIMENT STATIONS
- . . . CREW OBSERVATION STATIONS
- . . . GROUND STATIONS
- . . . DEEP SPACE INSTRUMENTATION FACILITY
- . . . EARTH TERMINALS
- . . . INTEGRATED MISSION CONTROL CENTER
- . . . POLYSTATION DOPPLER TRACKING SYSTEM
- . . . SPACE DETECTION AND TRACKING SYSTEM
- . . . STDN (NETWORK)
- . . . HYDROELECTRIC POWER STATIONS
- . . . PAYLOAD STATIONS
- . . . SPACE STATIONS
- . . . COLUMBUS SPACE STATION
- . . . HALO ORBIT SPACE STATION
- . . . MIR SPACE STATION
- . . . ORBITING LUNAR STATIONS
- . . . SALLYUT SPACE STATION
- . . . SKYLAB 1
- . . . SKYLAB 2
- . . . SKYLAB 3
- . . . SKYLAB 4
- . . . SPACE OPERATIONS CENTER (NASA)
- . . . SPACE STATION POLAR PLATFORMS
- . . . TRACKING STATIONS
- . . . DEEP SPACE INSTRUMENTATION FACILITY
- . . . GLOBAL TRACKING NETWORK
- . . . POLYSTATION DOPPLER TRACKING SYSTEM
- . . . SPACE DETECTION AND TRACKING SYSTEM
- . . . STDN (NETWORK)
- . . . WEATHER STATIONS
- . . . AUTOMATIC WEATHER STATIONS

### STATIONS-(CONT.)

- . WORKSTATIONS
- RT ∞ BASES
- ∞ FACILITIES
- LUNAR BASES
- MILITARY AIR FACILITIES
- PLANETARY BASES
- POSITION (LOCATION)
- SPACE BASES
- SPACE FLIGHT TRACKING AND DATA NETWORK

### STATISTICAL ANALYSIS

- GS **STATISTICAL ANALYSIS**
- . AMPLITUDE DISTRIBUTION ANALYSIS
- . CORRELATION COEFFICIENTS
- . DISCRIMINANT ANALYSIS (STATISTICS)
- . FACTOR ANALYSIS
- . GOODNESS OF FIT
- . LIKELIHOOD RATIO
- . MAXWELL-BOLTZMANN DENSITY FUNCTION
- . NONPARAMETRIC STATISTICS
- . POISSON DENSITY FUNCTIONS
- . PROBABILITY DENSITY FUNCTIONS
- . . . NORMAL DENSITY FUNCTIONS
- . . . PEARSON DISTRIBUTIONS
- . . . RAYLEIGH DISTRIBUTION
- . . . WEIBULL DENSITY FUNCTIONS
- . . . PROBABILITY DISTRIBUTION FUNCTIONS
- . . . QUANTILES
- . . . SEQUENTIAL ANALYSIS
- . . . STANDARD DEVIATION
- . . . STATISTICAL CORRELATION
- . . . STATISTICAL DECISION THEORY
- . . . STATISTICAL TESTS
- . . . KOLMOGOROFF-SMIRNOFF TEST
- . . . MANN-WHITNEY-WILCOXON U TEST
- . . . RANK TESTS
- . . . VARIANCE (STATISTICS)
- . . . ANALYSIS OF VARIANCE
- . . . MULTIVARIATE STATISTICAL ANALYSIS
- . . . . BIVARIATE ANALYSIS
- . . . . COVARIANCE
- . . . . REGRESSION ANALYSIS
- RT ∞ ANALYZING
- ∞ APPLICATIONS OF MATHEMATICS
- ∞ APPROXIMATION
- ∞ AUTOREGRESSIVE PROCESSES
- BINOMIAL THEOREM
- BIOMETRICS
- CENSORED DATA (MATHEMATICS)
- CHARTS
- CHEBYSHEV APPROXIMATION
- CLUSTER ANALYSIS
- COEFFICIENTS
- CONFIDENCE
- CONFIDENCE LIMITS
- CONTINUITY (MATHEMATICS)
- CORRELATION
- ∞ DATA
- DATA CORRELATION
- DECISION THEORY
- DISCRETE FUNCTIONS
- ∞ DISPERSION
- ECONOMICS
- ESTIMATES
- ESTIMATING
- EVENTS
- EXPECTANCY HYPOTHESIS
- EXPERIMENT DESIGN
- EXPONENTIAL FUNCTIONS
- EXTRAPOLATION
- FACTORIAL DESIGN
- FAILURE ANALYSIS
- FORECASTING
- GAME THEORY
- GAUSS-MARKOV THEOREM
- GRAPHS (CHARTS)
- INFORMATION THEORY
- INSPECTION
- INTERPOLATION
- LINEAR PREDICTION
- MANAGEMENT
- ∞ MATHEMATICS
- ∞ MAXIMUM ENTROPY METHOD
- MEAN
- MEDIAN (STATISTICS)
- MILLS RATIO
- MINIMUM VARIANCE ORBIT DETERMINATION
- MONTE CARLO METHOD
- MTBF
- OPERATIONS RESEARCH

## STEADY STATE

### STATISTICAL ANALYSIS-(CONT.)

OUTLIERS (STATISTICS)  
PARAMETER IDENTIFICATION  
PROBABILITY THEORY  
QUALITY CONTROL  
QUANTILES  
QUEUEING THEORY  
RANDOM PROCESSES  
RELIABILITY  
ROOT-MEAN-SQUARE ERRORS  
SAMPLING  
∞ STATISTICS  
STOCHASTIC PROCESSES  
SYSTEM IDENTIFICATION  
SYSTEMS ANALYSIS  
SYSTEMS ENGINEERING  
TABLES (DATA)  
TELECONNECTIONS (METEOROLOGY)  
TRAVELING SALESMAN PROBLEM  
WIENER FILTERING  
YANG-MILLS THEORY

### STATISTICAL COMMUNICATION THEORY

USE COMMUNICATION THEORY

### STATISTICAL CORRELATION

GS CORRELATION  
∞ STATISTICAL CORRELATION  
STATISTICAL ANALYSIS  
RT ∞ STATISTICAL CORRELATION  
CORRELATION COEFFICIENTS  
DATA CORRELATION  
ECONOMETRICS  
EVALUATION  
QUALITY CONTROL  
∞ STATISTICS  
TELECONNECTIONS (METEOROLOGY)

### STATISTICAL DECISION THEORY

GS DECISION THEORY  
∞ STATISTICAL DECISION THEORY  
STATISTICAL ANALYSIS  
RT ∞ STATISTICAL DECISION THEORY  
GAME THEORY  
∞ THEORIES

### STATISTICAL DISTRIBUTIONS

UF RANDOM DISTRIBUTIONS  
GS ∞ STATISTICAL DISTRIBUTIONS  
BRIGHTNESS DISTRIBUTION  
PEARSON DISTRIBUTIONS  
PROBABILITY DISTRIBUTION  
FUNCTIONS  
RT ∞ RAYLEIGH DISTRIBUTION  
BINOMIAL THEOREM  
CENSORED DATA (MATHEMATICS)  
COMPLEXITY  
CURVE FITTING  
∞ DISTRIBUTION  
DISTRIBUTION (PROPERTY)  
DISTRIBUTION FUNCTIONS  
DISTRIBUTION MOMENTS  
ERROR FUNCTIONS  
EVENTS  
EXPECTANCY HYPOTHESIS  
FORECASTING  
GAMMA FUNCTION  
GOODNESS OF FIT  
KURTOSIS  
MATHEMATICAL MODELS  
OUTLIERS (STATISTICS)  
PROBABILITY THEORY  
QUALITY CONTROL  
QUANTILES  
QUANTUM THEORY  
QUANTILES  
RELIABILITY  
SCATTERING  
SIZE DISTRIBUTION

### STATISTICAL MECHANICS

RT BOLTZMANN DISTRIBUTION  
BOLTZMANN TRANSPORT EQUATION  
CLASSICAL MECHANICS  
CLOSURE LAW  
CONTINUUM MECHANICS  
ENERGY DISTRIBUTION  
FLUCTUATION THEORY  
FUNCTION SPACE  
ISING MODEL  
LIQUID EQUATIONS  
MACROSCOPIC EQUATIONS  
MALKUS THEORY  
MANY BODY PROBLEM

### STATISTICAL MECHANICS-(CONT.)

MAXWELL-BOLTZMANN DENSITY  
FUNCTION  
∞ MECHANICS (PHYSICS)  
ONSAGER PHENOMENOLOGICAL  
COEFFICIENT  
QUANTUM MECHANICS  
QUANTUM THEORY  
THERMODYNAMIC EQUILIBRIUM  
WEIGHTING FUNCTIONS

### STATISTICAL MOMENTS

USE DISTRIBUTION MOMENTS

### STATISTICAL PROBABILITY

USE PROBABILITY THEORY

### STATISTICAL TESTS

UF BRUCETON TEST  
GS STATISTICAL ANALYSIS  
∞ STATISTICAL TESTS  
KOLMOGOROFF-SMIRNOFF TEST  
MANN-WHITNEY-WILCOXON U TEST  
RANK TESTS  
RT CHARTS  
CONFIDENCE LIMITS  
CURVE FITTING  
∞ DATA  
ESTIMATES  
ESTIMATING  
FACTOR ANALYSIS  
GOODNESS OF FIT  
HETEROGENEITY  
HOMOGENEITY  
LIKELIHOOD RATIO  
NORMALITY  
NULL HYPOTHESIS  
OUTLIERS (STATISTICS)  
QUALITY CONTROL  
RANGE (EXTREMES)  
REGRESSION ANALYSIS  
RELIABILITY  
SIGNIFICANCE  
∞ TESTS  
VALIDITY

### STATISTICAL WEATHER FORECASTING

GS FORECASTING  
WEATHER FORECASTING  
∞ STATISTICAL WEATHER  
FORECASTING  
METEOROLOGY  
WEATHER FORECASTING  
∞ STATISTICAL WEATHER  
FORECASTING  
RT LONG RANGE WEATHER FORECASTING  
NUMERICAL WEATHER FORECASTING

### ∞ STATISTICS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT ARRAYS  
BIOMETRICS  
CENSUS  
∞ DATA  
DEMOGRAPHY  
ENTROPY (STATISTICS)  
ESTIMATES  
ESTIMATING  
FERMI-DIRAC STATISTICS  
INFORMATION THEORY  
NONPARAMETRIC STATISTICS  
POPULATIONS  
PROBABILITY THEORY  
QUANTILES  
QUANTUM STATISTICS  
RANDOM VARIABLES  
RELIABILITY  
SAMPLING  
STATISTICAL ANALYSIS  
STATISTICAL CORRELATION  
STOCHASTIC PROCESSES  
SURVEYS  
SYSTEMS ENGINEERING  
TABLES (DATA)  
TIME SERIES ANALYSIS

### STATOR BLADES

GS TURBOMACHINE BLADES  
∞ STATOR BLADES  
RT ∞ BLADES  
COMPRESSOR BLADES  
ROTOR BLADES (TURBOMACHINERY)  
STATORS

### STATOR BLADES-(CONT.)

TURBINE BLADES  
VANES

### STATORS

RT COMPRESSORS  
ELECTRIC MOTORS  
∞ GENERATORS  
IMPELLERS  
MOTORS  
PUMPS  
∞ ROTATING ELECTRICAL MACHINES  
ROTORS  
STATOR BLADES  
TURBINES

### STAYS

USE GUY WIRES

### STDN (NETWORK)

UF SATELLITE TRACKING AND DATA ACQ  
NETWORK  
SPACECRAFT TRACKING AND DATA  
NETWORK  
STADAN (SATELLITE TRACKING  
NETWORK)  
GS STATIONS  
GROUND STATIONS  
∞ STDN (NETWORK)  
TRACKING STATIONS  
∞ STDN (NETWORK)  
TRACKING NETWORKS  
RT ∞ STDN (NETWORK)  
DATA ACQUISITION  
GLOBAL TRACKING NETWORK  
MINITRACK SYSTEM  
OPTICAL TRACKING  
RANGE AND RANGE RATE TRACKING  
SATELLITE TRACKING  
SPACE DETECTION AND TRACKING  
SYSTEM  
SPACE FLIGHT TRACKING AND DATA  
NETWORK

### STEADY FLOW

GS FLUID FLOW  
∞ STEADY FLOW  
COUETTE FLOW  
HARTMANN FLOW  
RT BELTRAMI FLOW  
CONTINUITY EQUATION  
CRITICAL FLOW  
CROCCO METHOD  
EQUILIBRIUM FLOW  
∞ FLOW  
FLOW CHARACTERISTICS  
FLOW GEOMETRY  
FLOW STABILITY  
GAS FLOW  
HEAT TRANSMISSION  
HYDRODYNAMIC COEFFICIENTS  
LAMINAR FLOW  
LIQUID FLOW  
LOW TURBULENCE  
MASS FLOW  
METHOD OF CHARACTERISTICS  
MULTIPHASE FLOW  
NONNEWTONIAN FLOW  
ORIFICE FLOW  
PARALLEL FLOW  
PIPE FLOW  
PRESSURE GRADIENTS  
QUASI-STEADY STATES  
SINGLE-PHASE FLOW  
SOLIDS FLOW  
STEAM FLOW  
STOKES FLOW  
SUBCRITICAL FLOW  
SUPERCRITICAL FLOW  
TURBULENCE  
TURBULENT FLOW  
TWO DIMENSIONAL FLOW  
UNIFORM FLOW  
UNSTEADY FLOW

### STEADY STATE

RT ∞ EQUILIBRIUM  
FLUID DYNAMICS  
METASTABLE STATE  
STABILITY  
STATE VECTORS  
UNSTEADY FLOW  
UNSTEADY STATE

## STEADY STATE CREEP

### STEADY STATE CREEP

- GS MECHANICAL PROPERTIES
  - . CREEP PROPERTIES
  - . **STEADY STATE CREEP**
- RT PLASTIC FLOW
  - QUASI-STEADY STATES

### STEADY STATE FLOW

- USE EQUILIBRIUM FLOW

### STEAM

- RT BOILERS
  - FOG
  - SUPERHEATING
  - THERMODYNAMICS
  - WATER
  - WATER VAPOR

### STEAM FLOW

- GS FLUID FLOW
  - . **STEAM FLOW**
- RT CRITICAL FLOW
  - GAS FLOW
  - LAMINAR FLOW
  - MASS FLOW
  - MULTIPHASE FLOW
  - ORIFICE FLOW
  - PIPE FLOW
  - PIPELINES
  - PRESSURE GRADIENTS
  - SINGLE-PHASE FLOW
  - STEADY FLOW
  - SUBCRITICAL FLOW
  - SUPERCRITICAL FLOW
  - TURBULENT FLOW
  - UNIFORM FLOW
  - UNSTEADY FLOW

### STEAM GENERATORS

- USE BOILERS

### STEAM TURBINES

- GS TURBOMACHINERY
  - . TURBINES
  - . **STEAM TURBINES**
- RT AXIAL FLOW TURBINES
  - COMBINED CYCLE POWER GENERATION
  - GAS TURBINE ENGINES
  - GAS TURBINES
  - TURBOGENERATORS
  - TWO STAGE TURBINES

### STEARATES

- GS ESTERS
  - . **STEARATES**
- RT SOAPS

### STEARTHERMOPHILUS

- GS MICROORGANISMS
  - . BACTERIA
  - . BACILLUS
  - . **STEARTHERMOPHILUS**

### STEATITE

- USE TALC

### STEEL STRUCTURES

- GS WELDED STRUCTURES
  - . **STEEL STRUCTURES**
- RT COMPOSITE STRUCTURES
  - CONSTRUCTION
  - RIGID STRUCTURES
  - ∞ STRUCTURES

### STEELS

- GS ALLOYS
  - . IRON ALLOYS
  - . **STEELS**
  - . . . BAINITIC STEEL
  - . . . CARBON STEELS
  - . . . LOW CARBON STEELS
  - . . . CHROMIUM STEELS
  - . . . CROLOY
  - . . . HIGH STRENGTH STEELS
  - . . . MARAGING STEELS
  - . . . NICKEL STEELS
  - . . . STAINLESS STEELS
  - . . . AUSTENITIC STAINLESS STEELS
  - . . . FERRITIC STAINLESS STEELS
  - . . . MARTENSITIC STAINLESS STEELS
- RT AUSTENITE
  - BAINITE
  - CEMENTITE
  - FERRITES

### STEELS-(CONT.)

- HYDROGEN EMBRITTLEMENT
- MARTENSITE
- PEARLITE

### STEEP GRADIENT AIRCRAFT

- USE V/STOL AIRCRAFT

### STEEPEST ASCENT METHOD

- USE STEEPEST DESCENT METHOD

### STEEPEST DESCENT METHOD

- UF STEEPEST ASCENT METHOD
- RT CALCULUS OF VARIATIONS
  - DYNAMIC PROGRAMMING
  - ∞ METHODOLOGY
  - MINIMA
  - OPTIMIZATION
  - PARAMETER IDENTIFICATION
  - SYSTEM IDENTIFICATION

### STEEPNESS

- USE SLOPES

### STEERABLE ANTENNAS

- GS ANTENNAS
  - . DIRECTIONAL ANTENNAS
  - . **STEERABLE ANTENNAS**
  - . . . INERTIALESS STEERABLE ANTENNAS
  - ARRAYS
  - . ANTENNA ARRAYS
  - . **STEERABLE ANTENNAS**
  - . . . INERTIALESS STEERABLE ANTENNAS
- RT PHASED ARRAYS
  - RADAR ANTENNAS

### STEERING

- RT ∞ CONTROL
  - CONTROL ROCKETS
  - CONTROLLABILITY
  - ELECTRON OPTICS
  - ∞ FLIGHT
  - FOCUSING
  - SUSPENSION SYSTEMS (VEHICLES)

### STEERING ROCKETS

- USE CONTROL ROCKETS

### STEFAN-BOLTZMANN LAW

- GS LAWS
  - . RADIATION LAWS
  - . **STEFAN-BOLTZMANN LAW**
- RT ELECTROMAGNETIC RADIATION
  - EMISSION
  - FLUX (RATE)
  - HEAT RADIATORS
  - KIRCHHOFF LAW OF RADIATION
  - RADIATIVE HEAT TRANSFER

### STELLAR (STAR TRACKER)

- USE CCD STAR TRACKER

### STELLAR ACTIVITY

- GS **STELLAR ACTIVITY**
  - . SOLAR ACTIVITY
  - . . FACULAE
  - . . SOLAR PROMINENCES
  - . . SOLAR STORMS
  - . . SPICULES
  - . . STELLAR FLARES
  - . . . SOLAR FLARES
  - . . SUNSPOTS
  - . . STARSPOTS
  - . FLARE STARS
- RT ∞ FLARES
  - MAGNETIC DISTURBANCES
  - MAGNETOHYDRODYNAMICS
  - PHOTOSPHERE
  - STARS
  - STELLAR INTERIORS
  - STELLAR LUMINOSITY
  - STELLAR MAGNETIC FIELDS
  - STELLAR MASS EJECTION
  - STELLAR OSCILLATIONS
  - STELLAR PHYSICS
  - STELLAR RADIATION
  - SUNSPOT CYCLE

### STELLAR ATMOSPHERES

- GS ENVIRONMENTS
  - . EXTRATERRESTRIAL ENVIRONMENTS
  - . **STELLAR ATMOSPHERES**

### STELLAR ATMOSPHERES-(CONT.)

- . . . CHROMOSPHERE
- . . . SOLAR ATMOSPHERE
- RT ∞ ATMOSPHERES
  - COOL STARS
  - LIMB BRIGHTENING
  - LIMB DARKENING
  - METALLIC STARS
  - RADIATIVE TRANSFER
  - SATELLITE ATMOSPHERES
  - STARSPOTS
  - STELLAR CORONAS
  - STELLAR INTERIORS

### STELLAR COLOR

- RT COLOR-COLOR DIAGRAM
  - COLOR-MAGNITUDE DIAGRAM
  - STELLAR LUMINOSITY
  - STELLAR MAGNITUDE
  - STELLAR SPECTRA
  - STELLAR SPECTROPHOTOMETRY

### STELLAR COMPOSITION

- GS COMPOSITION (PROPERTY)
  - . CHEMICAL COMPOSITION
  - . **STELLAR COMPOSITION**
- RT ABUNDANCE
  - B STARS
  - CARBON STARS
  - STARS
  - STELLAR MODELS
  - STELLAR PHYSICS
  - STELLAR STRUCTURE

### STELLAR CORES

- GS CORES
  - . **STELLAR CORES**
  - STELLAR INTERIORS
  - . **STELLAR CORES**
- RT ASTROPHYSICS
  - DEGENERATE MATTER
  - GRAVITATIONAL COLLAPSE
  - PLANETARY CORES
  - SOLAR INTERIOR
  - STARS
  - STELLAR CORONAS
  - STELLAR STRUCTURE

### STELLAR CORONAS

- GS CORONAS
  - . **STELLAR CORONAS**
  - . . SOLAR CORONA
  - . . . CORONAL HOLES
  - . . . CORONAL LOOPS
- RT IONIZATION
  - ORION NEBULA
  - STELLAR ATMOSPHERES
  - STELLAR CORES

### STELLAR DOPPLER SHIFT

- USE DOPPLER EFFECT
  - EXTRATERRESTRIAL RADIATION

### STELLAR ENVELOPES

- UF CIRCUMSTELLAR MATTER
- RT ASTROPHYSICS
  - COOL STARS
  - ∞ ENVELOPES
  - R CORONAE BOREALIS STARS
  - SYMBIOTIC STARS
  - WOLF-RAYET STARS

### STELLAR EVOLUTION

- GS EVOLUTION (DEVELOPMENT)
  - . **STELLAR EVOLUTION**
  - . . STAR FORMATION
  - . . STELLAR MASS ACCRETION
- RT ASTROPHYSICS
  - ASYMPTOTIC GIANT BRANCH STARS
  - COLOR-MAGNITUDE DIAGRAM
  - COSMOLOGY
  - DEGENERATE MATTER
  - GALACTIC EVOLUTION
  - HERTZSPRUNG-RUSSELL DIAGRAM
  - HORIZONTAL BRANCH STARS
  - INTERSTELLAR EXTINCTION
  - LATE STARS
  - MAIN SEQUENCE STARS
  - NEUTRAL CURRENTS
  - PLANETARY EVOLUTION
  - PRE-MAIN SEQUENCE STARS
  - PROTOPLANETS
  - PROTOSTARS
  - RED GIANT STARS
  - STAR FORMATION RATE

## STELLAR SPECTRA

### STELLAR EVOLUTION-(CONT.)

STELLAR INTERIORS  
STELLAR PHYSICS  
SUBGIANT STARS

### STELLAR FIELDS

USE STAR DISTRIBUTION

### STELLAR FLARES

GS STELLAR ACTIVITY  
SOLAR ACTIVITY  
STELLAR FLARES  
SOLAR FLARES  
RT CATAclysmic VARIABLES  
FLARE STARS  
FLARES  
STELLAR LUMINOSITY  
STELLAR PHYSICS  
STELLAR RADIATION

### STELLAR GRAVITATION

GS GRAVITATION  
STELLAR GRAVITATION  
SOLAR GRAVITATION  
RT GRAVITATIONAL FIELDS  
GRAVITATIONAL LENSES  
STARS  
STELLAR MASS  
STELLAR SYSTEMS

### STELLAR INTERIORS

GS STELLAR INTERIORS  
SOLAR INTERIOR  
STELLAR CORES  
RT ASTROPHYSICS  
CONVECTION  
GRAVITATIONAL COLLAPSE  
NUCLEAR FUSION  
STARS  
STELLAR ACTIVITY  
STELLAR ATMOSPHERES  
STELLAR EVOLUTION  
STELLAR MODELS  
STELLAR PHYSICS  
STELLAR STRUCTURE

### STELLAR LUMINOSITY

GS ELECTROMAGNETIC PROPERTIES  
OPTICAL PROPERTIES  
LUMINOSITY  
STELLAR LUMINOSITY  
RT BRIGHTNESS  
BRIGHTNESS DISTRIBUTION  
HERTZSPRUNG-RUSSELL DIAGRAM  
HORIZONTAL BRANCH STARS  
LIMB BRIGHTENING  
LIMB DARKENING  
LUMINESCENCE  
MASS TO LIGHT RATIOS  
RED DWARF STARS  
RED GIANT STARS  
STARSPOTS  
STELLAR ACTIVITY  
STELLAR COLOR  
STELLAR FLARES  
STELLAR PARALLAX  
STELLAR PHYSICS  
WOLF-RAYET STARS

### STELLAR MAGNETIC FIELDS

GS MAGNETIC FIELDS  
STELLAR MAGNETIC FIELDS  
SOLAR MAGNETIC FIELD  
RT ELECTROMAGNETIC FIELDS  
INTERSTELLAR MAGNETIC FIELDS  
MAGNETIC FIELD CONFIGURATIONS  
PLASMAS (PHYSICS)  
STARSPOTS  
STELLAR ACTIVITY

### STELLAR MAGNITUDE

GS MAGNITUDE  
STELLAR MAGNITUDE  
RT ASTRONOMY  
COLOR-MAGNITUDE DIAGRAM  
INTENSITY  
LUMINANCE  
LUMINOUS INTENSITY  
RED DWARF STARS  
STARS  
STELLAR COLOR  
STELLAR PARALLAX

### STELLAR MASS

GS MASS

### STELLAR MASS-(CONT.)

RT STELLAR MASS  
DEGENERATE MATTER  
GALACTIC MASS  
MAIN SEQUENCE STARS  
MASS TO LIGHT RATIOS  
NOVAE  
STELLAR GRAVITATION  
STELLAR TEMPERATURE  
SUPERNOVAE  
VARIABLE STARS

### STELLAR MASS ACCRETION

GS EVOLUTION (DEVELOPMENT)  
STELLAR EVOLUTION  
STELLAR MASS ACCRETION  
RT ACCRETION DISKS  
COSMOLOGY  
DWARF NOVAE  
GALACTIC EVOLUTION  
GRAVITATIONAL EFFECTS  
INTERSTELLAR GAS  
INTERSTELLAR MATTER  
PROTOSTARS  
STAR FORMATION  
STELLAR PHYSICS  
SYMBIOTIC STARS  
X RAY BINARIES

### STELLAR MASS EJECTION

GS EJECTION  
STELLAR MASS EJECTION  
RT ASYMPTOTIC GIANT BRANCH STARS  
CATAclysmic VARIABLES  
DWARF NOVAE  
MAGNETIC CLOUDS  
NOVAE  
R CORONAE BOREALIS STARS  
STELLAR ACTIVITY  
SUPERNOVAE  
VARIABLE STARS  
WOLF-RAYET STARS

### STELLAR MODELS

GS MODELS  
ASTRONOMICAL MODELS  
STELLAR MODELS  
RT ASTRONOMY  
SOLAR NEUTRINOS  
SOLAR OSCILLATIONS  
STELLAR COMPOSITION  
STELLAR INTERIORS  
SUPERMASSIVE STARS

### STELLAR MOTIONS

GS STELLAR MOTIONS  
STELLAR ORBITS  
STELLAR OSCILLATIONS  
SOLAR OSCILLATIONS  
STELLAR ROTATION  
SOLAR ROTATION  
RT COMPANION STARS  
COROTATION  
DOPPLER EFFECT  
DOPPLER-FIZEAU EFFECT  
DOUBLE STARS  
GALACTIC ROTATION  
HIPPARCOS SATELLITE  
MOTION  
SIDEREAL TIME  
STELLAR PARALLAX  
STELLAR SYSTEMS

### STELLAR OCCULTATION

GS OCCULTATION  
STELLAR OCCULTATION  
RT ECLIPSING BINARY STARS  
LUNAR OCCULTATION

### STELLAR ORBITS

SN (EXCLUDES PLANETARY ORBITS)  
GS ORBITS  
STELLAR ORBITS  
STELLAR MOTIONS  
STELLAR ORBITS  
RT CELESTIAL MECHANICS  
NEMESIS (STAR)

### STELLAR OSCILLATIONS

GS OSCILLATIONS  
STELLAR OSCILLATIONS  
SOLAR OSCILLATIONS  
STELLAR MOTIONS  
STELLAR OSCILLATIONS  
SOLAR OSCILLATIONS

### STELLAR OSCILLATIONS-(CONT.)

RT ASTRONOMICAL MODELS  
ASTRONOMY  
ASTROPHYSICS  
ATMOSPHERIC MODELS  
CATAclysmic VARIABLES  
MIRA VARIABLES  
STARS  
STELLAR ACTIVITY  
SYMBIOTIC STARS  
VARIABLE STARS

### STELLAR PARALLAX

GS PARALLAX  
STELLAR PARALLAX  
RT ASTROMETRY  
BINARY STARS  
HIPPARCOS SATELLITE  
SOLAR PARALLAX  
STELLAR LUMINOSITY  
STELLAR MAGNITUDE  
STELLAR MOTIONS

### STELLAR PHYSICS

GS ASTROPHYSICS  
STELLAR PHYSICS  
SOLAR PHYSICS  
RT NUCLEAR FUSION  
SCIENCE  
STELLAR ACTIVITY  
STELLAR COMPOSITION  
STELLAR EVOLUTION  
STELLAR FLARES  
STELLAR INTERIORS  
STELLAR LUMINOSITY  
STELLAR MASS ACCRETION  
STELLAR RADIATION  
STELLAR ROTATION  
STELLAR STRUCTURE  
SUPERNOVAE

### STELLAR RADIATION

GS EXTRATERRESTRIAL RADIATION  
STELLAR RADIATION  
STELLAR WINDS  
RT COSMIC RAYS  
ELECTROMAGNETIC RADIATION  
GALACTIC RADIATION  
GAMMA RAY BURSTS  
HERBIG-HARO OBJECTS  
INTERSTELLAR EXTINCTION  
INTERSTELLAR RADIATION  
LIGHT CURVE  
MICROWAVE EMISSION  
POLARIZED ELECTROMAGNETIC RADIATION  
RADIATION  
RADIATIVE TRANSFER  
RADIO BURSTS  
RADIO STARS  
SOLAR RADIATION  
STARSPOTS  
STELLAR ACTIVITY  
STELLAR FLARES  
STELLAR PHYSICS  
X RAY STARS

### STELLAR ROTATION

GS GYRATION  
ROTATION  
STELLAR ROTATION  
SOLAR ROTATION  
STELLAR MOTIONS  
STELLAR ROTATION  
SOLAR ROTATION  
RT ANGULAR MOMENTUM  
COROTATION  
PLANETARY ROTATION  
STELLAR PHYSICS

### STELLAR SPECTRA

GS SPECTRA  
RADIATION SPECTRA  
ELECTROMAGNETIC SPECTRA  
STELLAR SPECTRA  
SOLAR SPECTRA  
RT ABSORPTION SPECTRA  
ASTRONOMICAL SPECTROSCOPY  
COLOR-COLOR DIAGRAM  
CONTINUOUS SPECTRA  
COOL STARS  
EMISSION SPECTRA  
F STARS  
G STARS  
HERBIG-HARO OBJECTS



## STELLAR SPECTROPHOTOMETRY

### STELLAR SPECTRA-(CONT.)

HERTZSPRUNG-RUSSELL DIAGRAM  
HORIZONTAL BRANCH STARS  
INFRARED SPECTRA  
K STARS  
LINE SPECTRA  
MOLECULAR SPECTRA  
PECULIAR STARS  
SEYFERT GALAXIES  
STELLAR COLOR  
SYMBIOTIC STARS  
ULTRAVIOLET SPECTRA  
VISIBLE SPECTRUM  
X RAY SPECTRA

### STELLAR SPECTROPHOTOMETRY

GS OPTICAL MEASUREMENT  
PHOTOMETRY  
ASTRONOMICAL PHOTOMETRY  
STELLAR SPECTROPHOTOMETRY  
SPECTROPHOTOMETRY  
STELLAR SPECTROPHOTOMETRY  
SPECTROSCOPY  
SPECTROPHOTOMETRY  
STELLAR SPECTROPHOTOMETRY  
RT COLOR-COLOR DIAGRAM  
HORIZONTAL BRANCH STARS  
INFRARED PHOTOMETRY  
PECULIAR STARS  
SPECTROSCOPIC TELESCOPES  
STELLAR COLOR

### STELLAR STRUCTURE

RT CHROMOSPHERE  
CORONAL HOLES  
DENSE PLASMAS  
METALLIC STARS  
PECULIAR STARS  
SOLAR ATMOSPHERE  
SOLAR CORONA  
SOLAR INTERIOR  
STELLAR COMPOSITION  
STELLAR CORES  
STELLAR INTERIORS  
STELLAR PHYSICS  
STRUCTURES  
SUPERMASSIVE STARS

### STELLAR SYSTEMS

SN (EXCLUDES PLANETARY SYSTEMS)  
GS CELESTIAL BODIES  
STELLAR SYSTEMS  
RT BINARY STARS  
GALACTIC CLUSTERS  
GALACTIC ROTATION  
GALACTIC STRUCTURE  
GALAXIES  
GRAVITATIONAL COLLAPSE  
GRAVITATIONAL EFFECTS  
NEMESIS (STAR)  
SIGMA ORIONIS  
STAR CLUSTERS  
STAR DISTRIBUTION  
STELLAR GRAVITATION  
STELLAR MOTIONS

### STELLAR TEMPERATURE

GS TEMPERATURE  
STELLAR TEMPERATURE  
RT COOL STARS  
STELLAR MASS  
SYMBIOTIC STARS

### STELLAR WINDS

GS EXTRATERRESTRIAL RADIATION  
STELLAR RADIATION  
STELLAR WINDS  
PARTICLES  
CHARGED PARTICLES  
ENERGETIC PARTICLES  
PLASMAS (PHYSICS)  
SPACE PLASMAS  
STELLAR WINDS  
RT CHROMOSPHERE  
COSMIC PLASMA  
INTERGALACTIC MEDIA  
INTERSTELLAR GAS  
RADIATION PRESSURE  
SOLAR WIND  
SOLAR WIND VELOCITY

### STELLARATORS

RT HELICAL WINDINGS  
MAGNETOHYDRODYNAMICS  
NUCLEAR REACTORS

### STELLARATORS-(CONT.)

PINCH EFFECT  
THERMAL INSTABILITY  
THERMONUCLEAR POWER GENERATION  
THERMONUCLEAR REACTIONS  
TOROIDAL PLASMAS

### STELLITE (TRADEMARK)

UF HAYNES STELLITE  
RT CHROMIUM ALLOYS  
COBALT ALLOYS  
TUNGSTEN ALLOYS

### STEMS

RT PLANTS (BOTANY)

### STENCIL PROCESSES

RT PRINTING  
REPRODUCTION (COPYING)

### STEP FAULTS

USE GEOLOGICAL FAULTS

### STEP FUNCTIONS

GS FUNCTIONS (MATHEMATICS)  
STEP FUNCTIONS  
RT DYNAMIC RESPONSE  
FREQUENCY RESPONSE  
INTERVALS  
RAMP FUNCTIONS  
REACTION TIME  
STEPS

### STEP RECOVERY DIODES

GS ELECTRONIC EQUIPMENT  
SOLID STATE DEVICES  
SEMICONDUCTOR DEVICES  
JUNCTION DIODES  
STEP RECOVERY DIODES  
RT SWITCHING

### STEPPIES

GS LANDFORMS  
STEPPIES  
RT ARID LANDS  
DESERTIFICATION  
GRASSLANDS  
PLAINS

### STEPPING MOTORS

GS MOTORS  
ELECTRIC MOTORS  
STEPPING MOTORS  
RT ACTUATORS  
SERVOCONTROL  
SERVOMECHANISMS

### STEPPING SWITCHES

GS SWITCHES  
ELECTRIC SWITCHES  
STEPPING SWITCHES

### STEPS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT BACKWARD FACING STEPS  
PROGRAMMING (SCHEDULING)  
STAIRSTEPS  
STEP FUNCTIONS

### STEREOCHEMISTRY

RT CARBOHYDRATES  
CHEMISTRY  
ISOMERS  
OPTICAL ACTIVITY  
SPATIAL DISTRIBUTION  
X RAY ANALYSIS

### STEREOGRAPHY

USE STEREOPHOTOGRAPHY

### STEREOPHONICS

RT ACOUSTICS  
HEARING

### STEREOPHOTOGRAPHY

UF STEREOGRAPHY  
STEREOSCOPIC PHOTOGRAPHY  
IMAGERY  
STEREOSCOPY  
STEREOPHOTOGRAPHY  
PHOTOGRAPHY  
STEREOSCOPY

### STEREOPHOTOGRAPHY-(CONT.)

STEREOPHOTOGRAPHY  
RT AERIAL PHOTOGRAPHY  
BLACK AND WHITE PHOTOGRAPHY  
CINEMATOGRAPHY  
COLOR PHOTOGRAPHY  
MAPSAT  
PHOTOGRAMMETRY  
SPOT (FRENCH SATELLITE)

### STEREOSCOPIC PHOTOGRAPHY

USE STEREOPHOTOGRAPHY

### STEREOSCOPIC VISION

GS VISION  
STEREOSCOPIC VISION  
RT BINOCULAR VISION  
STEREOSCOPY

### STEREOSCOPY

GS IMAGERY  
STEREOSCOPY  
STEREOGRAPHY  
STEREOSCOPY  
STEREOGRAPHY  
STEREOSCOPIC VISION

### STEREOTELEVISION

GS COMMUNICATION EQUIPMENT  
STEREOTELEVISION  
TELECOMMUNICATION  
STEREOTELEVISION  
TELEVISION SYSTEMS  
STEREOTELEVISION  
RT CLOSED CIRCUIT TELEVISION  
COLOR TELEVISION  
COMMUNICATING  
EDUCATIONAL TELEVISION  
SATELLITE TELEVISION  
SPACECRAFT TELEVISION

### STERILIZATION

GS CLEANING  
STERILIZATION  
CHEMICAL STERILIZATION  
SPACECRAFT STERILIZATION  
RT AIR PURIFICATION  
ANTIFOULING  
ANTISEPTICS  
BACTERICIDES  
BAKING  
DECONTAMINATION  
FUMIGATION  
GNOTOBIOTICS  
HOUSEKEEPING (SPACECRAFT)  
IONIZING RADIATION  
MERCURY LAMPS  
PASTEURIZING  
PURIFICATION  
ULTRAVIOLET RADIATION

### STERILIZATION EFFECTS

RT CHEMICAL EFFECTS  
CORROSION  
DECONTAMINATION  
DEGRADATION  
DEOXIFICATION  
EFFECTS  
RADIATION EFFECTS  
SPACECRAFT STERILIZATION  
TEMPERATURE EFFECTS  
THERMAL DEGRADATION

### STERNS

USE AFTERBODIES

### STERNUM

GS ANATOMY  
MUSCULOSKELETAL SYSTEM  
BONES  
STERNUM  
RT THORAX

### STEROIDS

GS ORGANIC COMPOUNDS  
LIPIDS  
STERIODS  
CHOLESTEROL  
CORTICOSTEROIDS  
ALDOSTERONE  
HYDROXYCORTICOSTEROID  
CORTISONE  
ESTROGENS

**STERIODS-(CONT.)**

- ... PROSTAGLANDINS
- RT ANTIBIOTICS
- HORMONES

**STETHOSCOPES**

- GS MEDICAL EQUIPMENT
- RT **STETHOSCOPES**
- PHYSICIANS

**STIELTJES INTEGRAL**

- GS ANALYSIS (MATHEMATICS)
- ... REAL VARIABLES
- ... MEASURE AND INTEGRATION
- ... **STIELTJES INTEGRAL**
- RT PROBABILITY THEORY

**STIFF STRUCTURES**

- USE RIGID STRUCTURES

**STIFFENING**

- RT REINFORCEMENT (STRUCTURES)
- RIBS (SUPPORTS)
- WEBS (SUPPORTS)

**STIFFNESS**

- GS MECHANICAL PROPERTIES
- ... **STIFFNESS**
- RT BENDING
- DEFORMATION
- FLEXIBILITY
- MODULUS OF ELASTICITY
- ∞ RIGIDITY
- SOFTNESS
- STRUCTURAL STABILITY

**STIFFNESS MATRIX**

- GS ALGEBRA
- ... VECTOR SPACES
- ... MATRICES (MATHEMATICS)
- ... **STIFFNESS MATRIX**
- RT STRUCTURAL ANALYSIS
- STRUCTURAL MEMBERS

**STIGMATISM**

- GS ELECTROMAGNETIC PROPERTIES
- ... OPTICAL PROPERTIES
- ... **STIGMATISM**
- RT ASTIGMATISM
- FOCUSING
- LENS DESIGN
- LENSES

**STILBENE**

- GS ORGANIC COMPOUNDS
- ... HYDROCARBONS
- ... **STILBENE**
- RT DYES
- HEXANITROSTILBENE

**STILLS**

- GS SEPARATORS
- ... **STILLS**
- RT CONCENTRATORS
- DISTILLATION EQUIPMENT

**STIMULANTS**

- GS DRUGS
- ... **STIMULANTS**
- ... ATROPINE
- ... CAFFEINE
- ... CENTRAL NERVOUS SYSTEM
- ... STIMULANTS
- ... NORADRENALINE
- ... NOREPINEPHRINE
- RT AMINOPHYLLINE
- EPINEPHRINE
- STRYCHNINE

**STIMULATED EMISSION**

- GS EMISSION
- ... **STIMULATED EMISSION**
- ... WATER MASERS
- RT ARGON LASERS
- CARBON DIOXIDE LASERS
- CARBON LASERS
- CARBON MONOXIDE LASERS
- COHERENT ELECTROMAGNETIC
- RADIATION
- COHERENT LIGHT
- ELECTRON EMISSION
- ELECTRON PUMPING
- GALLIUM ARSENIDE LASERS
- GAS LASERS

**STIMULATED EMISSION-(CONT.)**

- GAS MASERS
- HCN LASERS
- INTERSTELLAR MASERS
- LASERS
- LIGHT EMISSION
- MASERS
- NUCLEAR PUMPING
- OPTICAL PUMPING
- PARTICLE EMISSION
- PHOTOELECTRIC EMISSION
- POPULATION INVERSION
- RAPID BALLISTICS IDENTIFICATION
- RARE GAS-HALIDE LASERS
- SELF SUSTAINED EMISSION
- TEA LASERS
- TWO-WAVELENGTH LASERS
- ULTRASHORT PULSED LASERS
- ULTRAVIOLET LASERS

**STIMULATED EMISSION DEVICES**

- UF QUANTUM GENERATORS
- GS **STIMULATED EMISSION DEVICES**
- ... LASERS
- ... AIRBORNE LASERS
- ... ARGON LASERS
- ... ATMOSPHERIC LASERS
- ... CARBON LASERS
- ... CHEMICAL LASERS
- ... HCL LASERS
- ... CONTINUOUS WAVE LASERS
- ... DISTRIBUTED FEEDBACK LASERS
- ... FREE ELECTRON LASERS
- ... GAMMA RAY LASERS
- ... GAS LASERS
- ... CARBON DIOXIDE LASERS
- ... CARBON MONOXIDE LASERS
- ... DF LASERS
- ... EXCIMER LASERS
- ... HCL LASERS
- ... HCL ARGON LASERS
- ... HCN LASERS
- ... HELIUM-NEON LASERS
- ... HF LASERS
- ... KRYPTON FLUORIDE LASERS
- ... NITROGEN LASERS
- ... TEA LASERS
- ... ULTRAVIOLET LASERS
- ... XENON CHLORIDE LASERS
- ... XENON FLUORIDE LASERS
- ... GASDYNAMIC LASERS
- ... GLASS LASERS
- ... HIGH POWER LASERS
- ... NOVA LASER SYSTEM
- ... SHIVA LASER SYSTEM
- ... INFRARED LASERS
- ... INJECTION LASERS
- ... IODINE LASERS
- ... LIQUID LASERS
- ... METAL VAPOR LASERS
- ... NEODYMIUM LASERS
- ... NUCLEAR PUMPED LASERS
- ... ORGANIC LASERS
- ... DYE LASERS
- ... PLASMA DYNAMIC LASERS
- ... PULSED LASERS
- ... Q SWITCHED LASERS
- ... ULTRASHORT PULSED LASERS
- ... ULTRAVIOLET LASERS
- ... RAMAN LASERS
- ... RARE GAS-HALIDE LASERS
- ... KRYPTON FLUORIDE LASERS
- ... XENON CHLORIDE LASERS
- ... XENON FLUORIDE LASERS
- ... RING LASERS
- ... SEMICONDUCTOR LASERS
- ... GALLIUM ARSENIDE LASERS
- ... SOLAR-PUMPED LASERS
- ... SOLID STATE LASERS
- ... GALLIUM ARSENIDE LASERS
- ... RUBY LASERS
- ... YAG LASERS
- ... SPACEBORNE LASERS
- ... TUNABLE LASERS
- ... TWO-WAVELENGTH LASERS
- ... WAVEGUIDE LASERS
- ... X RAY LASERS
- ... MASERS
- ... GAS MASERS
- ... HYDROGEN MASERS
- ... INTERSTELLAR MASERS
- ... PROTON MASERS
- ... TRAVELING WAVE MASERS
- ... WATER MASERS
- RT AMPLIFIERS

**STIMULATED EMISSION DEVICES-(CONT.)**

- COHERENT ELECTROMAGNETIC
- RADIATION
- DIFFRACTION RADIATION
- ELECTRON PUMPING
- ∞ GENERATORS
- LASER CAVITIES
- LASER PUMPING
- LASER WEAPONS
- LASING
- LIGHT TRANSMISSION
- NUCLEAR PUMPING
- OPTICAL PUMPING
- RAPID BALLISTICS IDENTIFICATION
- SUBHARMONIC GENERATORS
- TRANSIENT OSCILLATIONS

**STIMULATION**

- GS **STIMULATION**
- ... AUDITORY STIMULI
- ... SENSORY STIMULATION
- RT ACTIVATION
- ACTIVATION (BIOLOGY)
- ACTUATION
- CLOUD SEEDING
- GAS INJECTION
- INITIATION
- PRESSURIZING
- STARTING
- ∞ **STIMULI**
- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT AROUSAL
- AUDITORY STIMULI
- CALORIC STIMULI
- ELECTRIC STIMULI
- MOTIVATION
- PSYCHOLOGICAL FACTORS
- SUBLIMINAL STIMULI
- VISUAL STIMULI

**STIRLING CYCLE**

- GS CYCLES
- ... THERMODYNAMIC CYCLES
- ... **STIRLING CYCLE**
- RT CARNOT CYCLE
- SOLAR DYNAMIC POWER SYSTEMS
- STIRLING ENGINES

**STIRLING ENGINES**

- GS ENGINES
- ... EXTERNAL COMBUSTION ENGINES
- ... **STIRLING ENGINES**
- ... PISTON ENGINES
- ... **STIRLING ENGINES**
- RT AUTOMOBILE ENGINES
- ENGINE DESIGN
- ENGINE TESTS
- FREE-PISTON ENGINES
- STIRLING CYCLE

**STIRRING**

- RT AERATION
- DISPERSING
- MIXERS
- SUSPENDING (MIXING)
- SWIRLING

**STISHOVITE**

- GS CHALCOGENIDES
- ... OXIDES
- ... DIOXIDES
- ... SILICON DIOXIDE
- ... QUARTZ
- ... **STISHOVITE**
- ... SILICON OXIDES
- ... SILICON DIOXIDE
- ... QUARTZ
- ... **STISHOVITE**
- MINERALS
- ... QUARTZ
- ... **STISHOVITE**
- SILICON COMPOUNDS
- ... SILICON OXIDES
- ... SILICON DIOXIDE
- ... QUARTZ
- ... **STISHOVITE**
- RT COESITE
- EARTH CRUST
- EARTH MANTLE
- RUTILE

## STOCHASTIC PROCESSES

### STOCHASTIC PROCESSES

- UF POISSON PROCESS
- GS **STOCHASTIC PROCESSES**
  - . MARKOV PROCESSES
  - . MARKOV CHAINS
  - . RANDOM PROCESSES
  - . RANDOM WALK
- RT ∞ APPLICATIONS OF MATHEMATICS
  - CHAOS
  - COHERENCE COEFFICIENT
  - DECISION THEORY
  - ERGODIC PROCESS
  - EVENTS
  - FOKKER-PLANCK EQUATION
  - GAME THEORY
  - INFORMATION THEORY
  - KAKUTANI THEOREM
  - KALMAN-SCHMIDT FILTERING
  - MARTINGALES
  - MATHEMATICAL MODELS
  - MONTE CARLO METHOD
  - OPERATIONS RESEARCH
  - PROBABILITY THEORY
  - QUEUEING THEORY
  - RANDOM ERRORS
  - RANDOM NOISE
  - RANDOM SIGNALS
  - STATE ESTIMATION
  - STATISTICAL ANALYSIS
- ∞ STATISTICS
  - TIME DEPENDENCE
  - TIME FUNCTIONS
  - TIME SERIES ANALYSIS

### STOCKPILING

- RT ACCUMULATIONS
- COLLECTION
- INVENTORY MANAGEMENT
- LOGISTICS
- RESERVES
- ∞ STORAGE
- STRATEGIC MATERIALS

### STOICHIOMETRY

- RT CHEMICAL REACTIONS
- ∞ CHEMISTRY
- ∞ COMPOSITION
- COMPOSITION (PROPERTY)
- FORMULATIONS
- MATERIAL BALANCE
- PHASE DIAGRAMS

### STOKES FLOW

- GS FLUID FLOW
  - . INCOMPRESSIBLE FLOW
  - . **STOKES FLOW**
  - . VISCOUS FLOW
- RT **STOKES FLOW**
  - OSEEN APPROXIMATION
  - STEADY FLOW

### ∞ STOKES LAW

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)*
- RT LAWS
  - MAXWELL EQUATION
  - STOKES LAW (FLUID MECHANICS)
  - STOKES THEOREM (VECTOR CALCULUS)

### STOKES LAW (FLUID MECHANICS)

- RT SETTLING
- ∞ STOKES LAW
- VISCOSITY

### STOKES LAW OF RADIATION

- GS LAWS
  - . RADIATION LAWS
  - . **STOKES LAW OF RADIATION**
- RT INCIDENT RADIATION
- LUMINESCENCE
- ∞ RADIATION
  - WAVELENGTHS

### STOKES THEOREM (VECTOR CALCULUS)

- GS ALGEBRA
  - . VECTOR SPACES
  - . **STOKES THEOREM (VECTOR CALCULUS)**
- THEOREMS
- . **STOKES THEOREM (VECTOR CALCULUS)**
- RT ∞ STOKES LAW

### STOKES-BELTRAMI EQUATION

- RT ∞ EQUATIONS
- LAPLACE EQUATION
- STREAM FUNCTIONS (FLUIDS)

### STOL AIRCRAFT

- USE SHORT TAKEOFF AIRCRAFT

### STOMACH

- GS ANATOMY
  - . DIGESTIVE SYSTEM
  - . GASTROINTESTINAL SYSTEM
- . **STOMACH**
- RT ABDOMEN

### STONES (ROCKS)

- USE ROCKS

### STONY METEORITES

- GS CELESTIAL BODIES
  - . METEORITES
  - . **STONY METEORITES**
  - . ACHONDrites
  - . . . . . BONDOC METEORITE
  - . . . . . KAPOETA ACHONDRITE
  - . . . . . NORTON COUNTY ACHONDRITE
  - . . . . . CHONDrites
  - . . . . . BRUDERHEIM METEORITE
  - . . . . . CARBONACEOUS CHONDrites
  - . . . . . ALLENDE METEORITE
  - . . . . . MURCHISON METEORITE
  - . . . . . CARBONACEOUS METEORITES
  - . . . . . ALAIS METEORITE
  - . . . . . COLD BOKKEVELD METEORITE
  - . . . . . IVUNA METEORITE
  - . . . . . MURRAY METEORITE
  - . . . . . ORGUEIL METEORITE
  - . . . . . TONK METEORITE
  - . . . . . HVITTIS CHONDRITE
  - . . . . . PANTAR CHONDrites
  - . . . . . PRIBRAM METEORITE
  - . . . . . TEKTITES
  - . . . . . AUSTRALITES
  - . . . . . BEDIASITES
  - . . . . . TUNGUSK METEORITE
- RT COESITE
- HARLETON METEORITE
- IRON METEORITES
- LAZAREV METEORITE
- METEORITIC COMPOSITION
- METEORITIC MICROSTRUCTURES
- OKHANSK METEORITE
- SCHREIBERSITE

### STOPCOCKS

- USE COCKS

### STOPPING

- UF TERMINATING
- GS **STOPPING**
  - . THRUST TERMINATION
- RT BLOCKING
- CANCELLATION
- CLOSING
- CONSTRUCTIONS
- CONTAINMENT
- DAMPING
- DECELERATION
- DELAY
- ELIMINATION
- ∞ HOLDING
- ∞ INHIBITION
- OPTIMIZATION
- PLUGS
- PREVENTION
- ∞ REDUCTION
- RETARDING
- SEALING

### STOPPING POWER

- RT ABSORBERS (MATERIALS)
- ABSORPTION CROSS SECTIONS
- ∞ CROSS SECTIONS
- DENSITY (MASS/VOLUME)
- NEUTRON CROSS SECTIONS
- RADIATION ABSORPTION
- RADIATION SHIELDING
- SCATTERING CROSS SECTIONS

### STORABLE PROPELLANTS

- GS CONSUMABLES (SPACECRAFT)
  - . **STORABLE PROPELLANTS**
  - PROPELLANTS
  - . **STORABLE PROPELLANTS**
- RT CRYOGENIC ROCKET PROPELLANTS

### STORABLE PROPELLANTS-(CONT.)

- GASEOUS ROCKET PROPELLANTS
- GELLED ROCKET PROPELLANTS
- GROUND SUPPORT EQUIPMENT
- HIGH TEMPERATURE PROPELLANTS
- HYDROCARBON FUELS
- HYPERGOLIC ROCKET PROPELLANTS
- LIQUID ROCKET PROPELLANTS
- PROPELLANT ADDITIVES
- PROPELLANT DECOMPOSITION
- PROPELLANT EVAPORATION
- PROPELLANT SENSITIVITY
- PROPELLANT STORABILITY
- PROPELLANT STORAGE
- ROCKET PROPELLANTS
- SOLID PROPELLANTS
- SPACE STORAGE

### ∞ STORAGE

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)*
- RT BUFFER STORAGE
- COMPUTER STORAGE DEVICES
- CORE STORAGE
- CRYOGENIC FLUID STORAGE
- DATA STORAGE
- DISPOSAL
- DOCUMENT STORAGE
- ENERGY STORAGE
- EXTERNAL STORE SEPARATION
- EXTERNAL STORES
- FLUID FILLED SHELLS
- HANDLING EQUIPMENT
- INVENTORIES
- INVENTORY CONTROLS
- INVENTORY MANAGEMENT
- ION STORAGE
- LIQUID FILLED SHELLS
- LOGISTICS
- LOGISTICS MANAGEMENT
- MAGNETIC STORAGE
- MATERIALS HANDLING
- MISSILE SILOS
- MISSILE STORAGE
- PACKAGING
- PIPELINES
- PRESERVING
- PROPELLANT STORAGE
- RACKS (FRAMES)
- RECORDING
- RESERVES
- RETAINING
- SAFETY
- SPACE STORAGE
- STOCKPILING
- STORAGE TANKS
- STOWAGE (ONBOARD EQUIPMENT)
- UNDERGROUND STORAGE
- WASTE DISPOSAL
- WING-FUSELAGE STORES

### STORAGE BATTERIES

- SN (RECHARGEABLE BATTERIES)
- UF SECONDARY BATTERIES
- GS ELECTROCHEMICAL CELLS
  - . ELECTRIC BATTERIES
  - . **STORAGE BATTERIES**
  - . . . . . LEAD ACID BATTERIES
  - . . . . . NICKEL CADMIUM BATTERIES
  - . . . . . NICKEL HYDROGEN BATTERIES
  - . . . . . NICKEL ZINC BATTERIES
  - . . . . . SILVER CADMIUM BATTERIES
  - . . . . . SILVER HYDROGEN BATTERIES
  - . . . . . SILVER ZINC BATTERIES
  - . . . . . ZINC-BROMIDE BATTERIES
  - . . . . . ZINC-CHLORINE BATTERIES
- RT ALKALINE BATTERIES
- BATTERY CHARGERS
- CHARGE EFFICIENCY
- DRY CELLS
- ELECTROLYTES
- METAL AIR BATTERIES
- NICKEL IRON BATTERIES
- NONAQUEOUS ELECTROLYTES
- PRIMARY BATTERIES
- PULSE CHARGING
- REGENERATIVE FUEL CELLS

### STORAGE RINGS (PARTICLE ACCELERATORS)

- UF ELECTRON RING ACCELERATORS
- GS PARTICLE ACCELERATORS
  - . CYCLIC ACCELERATORS
  - . . . SYNCHROTRONS

## STRAIN HARDENING

### STORAGE RINGS (PARTICLE-(CONT.))

#### STORAGE RINGS (PARTICLE ACCELERATORS)

RT  $\infty$  RINGS  
SUPERCONDUCTING SUPER COLLIDER

### STORAGE STABILITY

GS LIFE (DURABILITY)  
STABILITY  
STORAGE STABILITY  
RT DECOMPOSITION  
LIQUID SLOSHING  
LONG TERM EFFECTS  
STATIC STABILITY  
SURFACE STABILITY  
THERMAL STABILITY

### STORAGE TANKS

GS TANKS (CONTAINERS)  
STORAGE TANKS  
RT CRYOGENIC FLUID STORAGE  
CYLINDRICAL TANKS  
EXPULSION BLADDERS  
EXTERNAL TANKS  
FUEL TANKS  
PIPELINES  
PRESSURE VESSELS  
PROPELLANT TANKS  
SPACE STORAGE  
SPHERICAL TANKS  
 $\infty$  STORAGE  
TANK GEOMETRY  
UNDERGROUND STORAGE  
WING-FUSELAGE STORES

### STORE RELEASE

USE EXTERNAL STORE SEPARATION

### STORM DAMAGE

GS DAMAGE  
STORM DAMAGE  
RT CYCLONES  
FLOOD CONTROL  
FLOODS  
GUSTS  
HAILSTORMS  
HURRICANES  
LANDSLIDES  
PRECIPITATION (METEOROLOGY)  
RAINSTORMS  
SNOW COVER  
STORM SURGES  
STORMS  
THUNDERSTORMS  
TORNADOES  
TROPICAL STORMS  
TYPHOONS  
WIND (METEOROLOGY)

### STORM ENHANCEMENT

GS WEATHER MODIFICATION  
STORM ENHANCEMENT  
RT CLIMATOLOGY  
HAILSTORMS  
PRECIPITATION (METEOROLOGY)  
RAINSTORMS  
SNOWSTORMS  
STORMS  
STORMS (METEOROLOGY)

### STORM SUPPRESSION

GS WEATHER MODIFICATION  
STORM SUPPRESSION  
RT CLIMATOLOGY  
HAILSTORMS  
ICE PREVENTION  
PRECIPITATION (METEOROLOGY)  
RAINSTORMS  
SNOWSTORMS  
STORMS

### STORM SURGES

RT COASTS  
HURRICANES  
OCEAN SURFACE  
OCEANOGRAPHY  
STORM DAMAGE  
STORMS (METEOROLOGY)  
SURGES

### STORMS

GS STORMS  
IONOSPHERIC STORMS

### STORMS-(CONT.)

SUDDEN IONOSPHERIC  
DISTURBANCES  
MAGNETIC STORMS  
NOISE STORMS  
SOLAR STORMS  
STORMS (METEOROLOGY)  
CYCLONES  
HURRICANES  
ANNA HURRICANE  
TYPHOONS  
DUST STORMS  
HAILSTORMS  
MICROBURSTS (METEOROLOGY)  
POLAR SUBSTORMS  
RAINSTORMS  
THUNDERSTORMS  
SNOWSTORMS  
TORNADOES  
TROPICAL STORMS  
HURRICANES  
ANNA HURRICANE  
TYPHOONS  
CLIMATOLOGY  
COLD FRONTS  
 $\infty$  DISTURBANCES  
FLOOD DAMAGE  
FLOODS  
FRONTS (METEOROLOGY)  
GUSTS  
PRECIPITATION (METEOROLOGY)  
SNOW COVER  
SOLAR TERRESTRIAL INTERACTIONS  
STORM DAMAGE  
STORM ENHANCEMENT  
STORM SUPPRESSION  
SUDDEN STORM COMMENCEMENTS  
WARM FRONTS  
WEATHER FORECASTING  
WIND (METEOROLOGY)

### STORMS (METEOROLOGY)

GS STORMS  
STORMS (METEOROLOGY)  
CYCLONES  
HURRICANES  
ANNA HURRICANE  
TYPHOONS  
DUST STORMS  
HAILSTORMS  
MICROBURSTS (METEOROLOGY)  
POLAR SUBSTORMS  
RAINSTORMS  
THUNDERSTORMS  
SNOWSTORMS  
TORNADOES  
TROPICAL STORMS  
HURRICANES  
ANNA HURRICANE  
TYPHOONS  
RT ALPINE METEOROLOGY  
CLIMATOLOGY  
CYCLOGENESIS  
FLIGHT CONDITIONS  
FLOOD CONTROL  
FLOOD DAMAGE  
FLOOD PREDICTIONS  
FLOODS  
GROUND WIND  
GUSTS  
HAIL  
ICE  
METEOROLOGICAL PARAMETERS  
METEOROLOGY  
PRECIPITATION (METEOROLOGY)  
SNOW  
SNOW COVER  
SQUALLS  
STORM ENHANCEMENT  
STORM SURGES  
WATERSHEDS  
WEATHER FORECASTING  
WIND (METEOROLOGY)

### STORMSAT SATELLITE

UF SEVERE STORMS OBSERVING  
SATELLITE  
GS ARTIFICIAL SATELLITES  
SYNCHRONOUS SATELLITES  
STORMSAT SATELLITE  
RT NASA PROGRAMS

### STOSS-AND-LEE TOPOGRAPHY

USE GLACIAL DRIFT

### STOWAGE (ONBOARD EQUIPMENT)

RT LOGISTICS  
ONBOARD EQUIPMENT  
PORTABLE EQUIPMENT  
PROVISIONING  
SPACE LOGISTICS  
SPACE RATIONS  
 $\infty$  STORAGE

### STRAIGHT WINGS

USE RECTANGULAR WINGS

### STRAIN AGING

USE PRECIPITATION HARDENING

### STRAIN DISTRIBUTION

GS DISTRIBUTION (PROPERTY)  
STRAIN DISTRIBUTION  
RT CRACK PROPAGATION  
DEFORMATION  
ELASTIC DEFORMATION  
FRACTURE MECHANICS  
PLASTIC DEFORMATION  
STRAIN MEASUREMENT  
STRAIN RATE  
STRESS CONCENTRATION  
STRESS DISTRIBUTION  
STRESS-STRAIN RELATIONSHIPS

### STRAIN ENERGY METHODS

GS STRUCTURAL ANALYSIS  
ENERGY METHODS  
STRAIN ENERGY METHODS  
RT  $\infty$  ENERGY  
METHODOLOGY  
SEISMIC ENERGY

### STRAIN ENERGY RELEASE RATE

GS RATES (PER TIME)  
STRAIN ENERGY RELEASE RATE  
RT ELASTIC DEFORMATION  
ELASTIC PROPERTIES  
RELAXATION (MECHANICS)  
STRAIN RATE  
STRESS RELAXATION

### STRAIN FATIGUE

USE FATIGUE (MATERIALS)

### STRAIN GAGE ACCELEROMETERS

GS MEASURING INSTRUMENTS  
ACCELEROMETERS  
STRAIN GAGE ACCELEROMETERS  
RT PRESSURE GAGES

### STRAIN GAGE BALANCES

GS MEASURING INSTRUMENTS  
INDICATING INSTRUMENTS  
WEIGHT INDICATORS  
STRAIN GAGE BALANCES  
RT PRESSURE GAGES

### STRAIN GAGES

GS MEASURING INSTRUMENTS  
STRAIN GAGES  
RT CABLE FORCE RECORDERS  
DEFORMETERS  
ELASTOMETERS  
EXTENSOMETERS  
FLIGHT LOAD RECORDERS  
MECHANICAL MEASUREMENT  
PIEZOELECTRIC GAGES  
PRESSURE GAGES  
ROSETTE SHAPES  
SHOCK MEASURING INSTRUMENTS  
STRAIN MEASUREMENT  
STRESS MEASUREMENT  
TEMPERATURE INVERSIONS  
TENSOMETERS  
TRANSDUCERS  
WEIGHT INDICATORS

### STRAIN HARDENING

GS HARDENING (MATERIALS)  
WORK HARDENING  
STRAIN HARDENING  
RT AGING (MATERIALS)  
AGING (METALLURGY)  
PRECIPITATION HARDENING  
RESIDUAL STRESS  
SHOT PEENING  
STRESS RELIEVING  
TEMPERATURE INVERSIONS

## STRAIN MEASUREMENT

### STRAIN MEASUREMENT

RT ∞ MEASUREMENT  
STRAIN DISTRIBUTION  
STRAIN GAGES  
STRAIN RATE  
STRESS-STRAIN DIAGRAMS  
STRESS-STRAIN RELATIONSHIPS  
STRUCTURAL STRAIN

### STRAIN RATE

GS RATES (PER TIME)  
RT . STRAIN RATE  
IMPACT TESTS  
LOADING RATE  
MECHANICAL PROPERTIES  
STRAIN DISTRIBUTION  
STRAIN ENERGY RELEASE RATE  
STRAIN MEASUREMENT  
TEMPERATURE INVERSIONS

### STRAIN SOFTENING

USE PLASTIC DEFORMATION

### STRAITS

GS PASSAGEWAYS  
RT . STRAITS  
TORRES STRAIT  
CANALS  
LAKES  
SEAS  
WATER  
WATERWAYS

### STRAKES

GS STRUCTURAL MEMBERS  
RT . STRAKES  
AERODYNAMIC CONFIGURATIONS  
HULLS (STRUCTURES)  
LONGERONS  
METAL STRIPS  
RECTANGULAR PANELS  
REINFORCEMENT (STRUCTURES)  
WATER TUNNEL TESTS

### STRANDS

RT CABLES (ROPES)  
CERAMIC FIBERS  
CORDAGE  
FIBERS  
∞ FILAMENTS  
MESH  
YARNS

### STRANGE ATTRACTORS

RT CHAOS  
FRACTALS  
IMBEDDINGS (MATHEMATICS)  
ITERATIVE SOLUTION  
NONLINEAR SYSTEMS  
NUMERICAL STABILITY  
PERTURBATION THEORY  
∞ PHYSICS  
RECURSIVE FUNCTIONS  
STATE VECTORS  
THEORETICAL PHYSICS  
TURBULENCE

### STRANGENESS

RT HYPERONS  
MESONS  
PARITY  
QUANTUM MECHANICS

### STRAPDOWN INERTIAL GUIDANCE

GS GUIDANCE (MOTION)  
INERTIAL GUIDANCE  
RT . STRAPDOWN INERTIAL GUIDANCE  
INERTIAL NAVIGATION

### STRAPS

RT ANCHORS (FASTENERS)  
∞ BANDS  
CLAMPS  
FASTENERS  
HOLDERS

### STRATA

UF STRATIFIED LAYERS  
GS STRATA  
SUBSTRATES  
RT ANTICLINES  
BEDROCK  
BEDS (GEOLOGY)  
CROSSBEDDING (GEOLOGY)

### STRATA-(CONT.)

FLAT LAYERS  
FOLDS (GEOLOGY)  
GEOSYNCLINES  
∞ LAYERS  
STRATIFICATION  
SYNCLINES  
UNDERGROUND ACOUSTICS

### STRATEGIC MATERIALS

RT CHROMIUM  
COBALT  
MANGANESE  
∞ MATERIALS  
METALS  
STOCKPILING  
TECHNOLOGY ASSESSMENT

### STRATEGY

RT DECISION THEORY  
DEPLOYMENT  
ELECTRONIC WARFARE  
GAME THEORY  
∞ OPERATIONS  
OPERATIONS RESEARCH  
RISK  
WARFARE

### STRATIFICATION

GS STRATIFICATION  
ATMOSPHERIC STRATIFICATION  
INTERCALATION  
RT ANTICLINES  
BEDROCK  
CROSSBEDDING (GEOLOGY)  
FLAT LAYERS  
FOLDS (GEOLOGY)  
GEOSYNCLINES  
∞ LAYERS  
STATIC STABILITY  
STRATA  
STRATIFIED FLOW  
STRATIGRAPHY  
SYNCLINES  
TEMPERATURE GRADIENTS  
THERMOCLINES

### STRATIFIED FLOW

GS FLUID FLOW  
LAMINAR FLOW  
RT . STRATIFIED FLOW  
BAROCLINIC WAVES  
BAROCLINITY  
COAXIAL FLOW  
FLOW GEOMETRY  
SHEAR FLOW  
STRATIFICATION

### STRATIFIED LAYERS

USE STRATA

### STRATIGRAPHY

RT ANTICLINES  
BEDROCK  
BEDS (GEOLOGY)  
CROSSBEDDING (GEOLOGY)  
∞ FORMATION  
FORMATIONS  
GEOCHRONOLOGY  
GEOLOGY  
GEOPHYSICS  
GEOSYNCLINES  
HYDROGEOLOGY  
MINES (EXCAVATIONS)  
PALEONTOLOGY  
PARTICLE TRACKS  
PETROLOGY  
PLATEAUS  
REGOLITH  
ROCKS  
SEDIMENTARY ROCKS  
STRATIFICATION  
SYNCLINES  
WELLS

### STRATOCUMULUS CLOUDS

GS CLOUDS (METEOROLOGY)  
RT . STRATOCUMULUS CLOUDS  
CUMULUS CLOUDS  
STRATUS CLOUDS

### STRATOFORTRESS AIRCRAFT

USE B-52 AIRCRAFT

### STRATOJET AIRCRAFT

USE B-47 AIRCRAFT

### STRATopause

SN (ALTITUDE APPROXIMATELY 50 KM)  
GS EARTH ATMOSPHERE  
MIDDLE ATMOSPHERE  
STRATOSPHERE  
STRATopause  
RT MESopause  
MESOSPHERE

### STRATOSCOPE TELESCOPES

UF STRATOSCOPE 1 TELESCOPE  
STRATOSCOPE 2 TELESCOPE  
GS TELESCOPES  
SPECTROSCOPIC TELESCOPES  
RT . STRATOSCOPE TELESCOPES  
BALLOONS  
REFLECTING TELESCOPES  
REFRACTING TELESCOPES

### STRATOSCOPE 1 TELESCOPE

USE STRATOSCOPE TELESCOPES

### STRATOSCOPE 2 TELESCOPE

USE STRATOSCOPE TELESCOPES

### STRATOSPHERE

SN (ALTITUDE RANGE BETWEEN  
APPROXIMATELY 15 AND 50 KM)  
GS EARTH ATMOSPHERE  
MIDDLE ATMOSPHERE  
STRATOSPHERE  
OZONOSPHERE  
STRATopause  
RT CHEMOSPHERE  
HOMOSPHERE  
ISOTHERMAL LAYERS

### STRATOSPHERE RADIATION

GS ATMOSPHERIC RADIATION  
STRATOSPHERE RADIATION  
RT CORPUSCULAR RADIATION  
ELECTROMAGNETIC RADIATION  
∞ RADIATION  
SKY RADIATION  
TROPOSPHERIC RADIATION

### STRATOSPHERIC AEROSOL & GAS EXPERIMENT

USE SAGE SATELLITE

### STRATOTANKER AIRCRAFT

USE C-135 AIRCRAFT

### STRATUS CLOUDS

GS CLOUDS (METEOROLOGY)  
STRATUS CLOUDS  
RT FOG  
NIMBOSTRATUS CLOUDS  
STRATOCUMULUS CLOUDS

### STREAK CAMERAS

GS OPTICAL EQUIPMENT  
CAMERAS  
STREAK CAMERAS  
PHOTOGRAPHIC EQUIPMENT  
CAMERAS  
RT . STREAK CAMERAS  
CAMERA SHUTTERS  
CINEMATOGRAPHY  
LENSES

### STREAK PHOTOGRAPHY

GS PHOTOGRAPHY  
STREAK PHOTOGRAPHY  
RT CAMERAS  
ELECTRO-OPTICAL PHOTOGRAPHY  
HIGH SPEED CAMERAS  
IMAGING TECHNIQUES

### STREAM FUNCTIONS (FLUIDS)

RT INCOMPRESSIBLE FLOW  
POTENTIAL THEORY  
STOKES-BELTRAMI EQUATION  
STREAMS  
TWO DIMENSIONAL FLOW

### STREAMLINE FLOW

USE LAMINAR FLOW

### STREAMLINED BODIES

GS SYMMETRICAL BODIES  
STREAMLINED BODIES

## STRESS DISTRIBUTION

### STREAMLINED BODIES-(CONT.)

- .. FAIRINGS
- RT AERODYNAMIC CONFIGURATIONS
- AIRFOILS
- AXISYMMETRIC BODIES
- ∞ BODIES
- BODIES OF REVOLUTION
- MISSILE BODIES
- OGIVES
- SLENDER BODIES
- STREAMLINING
- TOWED BODIES

### STREAMLINING

- RT ACOUSTIC STREAMING
- AIR FLOW
- AIRCRAFT DESIGN
- AIRCRAFT STRUCTURES
- AIRFOIL PROFILES
- AIRFOILS
- FAIRINGS
- FLUID DYNAMICS
- FRICTION REDUCTION
- HELICOPTER DESIGN
- HYDROFOILS
- ∞ PROFILES
- SKIN FRICTION
- STREAMLINED BODIES

### STREAMS

- GS **STREAMS**
- .. GAS STREAMS
- RT AIR FLOW
- ALLUVIUM
- AQUIFERS
- DELAWARE RIVER BASIN (US)
- FLUID FLOW
- GAS FLOW
- HYDROLOGY
- HYDROLOGY MODELS
- INTERNATIONAL HYDROLOGICAL
- DECADÉ
- LAKE ERIE
- LAKE HURON
- LAKE MICHIGAN
- LAKE ONTARIO
- LAKE SUPERIOR
- LIMNOLOGY
- MEANDERS
- RAPIDS
- RESERVOIRS
- RIVERS
- STREAM FUNCTIONS (FLUIDS)
- SURFACE WATER
- SUSQUEHANNA RIVER BASIN
- (MD-NY-PA)
- WADIS

### STREETS

- RT HIGHWAYS
- INTERSECTIONS
- PAVEMENTS
- ROADS
- ∞ TUNNELS
- URBAN PLANNING
- URBAN RESEARCH

### ∞ STRENGTH

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT COLD STRENGTH
- COMPRESSIVE STRENGTH
- CREEP RUPTURE STRENGTH
- CREEP STRENGTH
- ELECTRIC FIELD STRENGTH
- FIBER STRENGTH
- FIELD STRENGTH
- FRACTURE STRENGTH
- HIGH STRENGTH
- IMPACT STRENGTH
- MECHANICAL PROPERTIES
- MICROYIELD STRENGTH
- MUSCULAR STRENGTH
- NOTCH STRENGTH
- RESIDUAL STRENGTH
- SHEAR STRENGTH
- TENSILE STRENGTH
- WELD STRENGTH
- YIELD STRENGTH

### STRENGTH OF MATERIALS

- USE MECHANICAL PROPERTIES

### STREPTOCOCCUS

- GS MICROORGANISMS
- .. BACTERIA
- .. **STREPTOCOCCUS**

### STREPTOMYCETES

- GS MICROORGANISMS
- .. BACTERIA
- .. **STREPTOMYCETES**

### STREPTOMYCIN

- GS DRUGS
- .. ANTIBIOTICS
- .. **STREPTOMYCIN**

### ∞ STRESS (BIOLOGY)

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT ∞ BIOLOGY
- PATHOLOGICAL EFFECTS
- STRESS (PHYSIOLOGY)
- STRESS (PSYCHOLOGY)

### STRESS (PHYSIOLOGY)

- GS **STRESS (PHYSIOLOGY)**
- .. ACCELERATION STRESSES
- (PHYSIOLOGY)
- .. CENTRIFUGING STRESS
- RT ACCELERATION (PHYSICS)
- ACCLIMATIZATION
- AEROEMBOLISM
- ANGINA PECTORIS
- ANOXIA
- BIODYNAMICS
- DEPRIVATION
- EXERCISE PHYSIOLOGY
- FATIGUE (BIOLOGY)
- FLIGHT STRESS (BIOLOGY)
- GRAVITATIONAL PHYSIOLOGY
- HOMEOSTASIS
- HYPERKINESIA
- HYPOXIA
- LOWER BODY NEGATIVE PRESSURE
- MUSCULAR FATIGUE
- PALMAR SWEAT INDEX
- PHYSIOLOGY
- PRESSURE BREATHING
- SPACE FLIGHT STRESS
- ∞ STRESS (BIOLOGY)
- STRESS (PSYCHOLOGY)
- UNDERWATER PHYSIOLOGY

### STRESS (PSYCHOLOGY)

- UF MENTAL STRESS
- RT FATIGUE (BIOLOGY)
- FLIGHT STRESS (BIOLOGY)
- MENTAL PERFORMANCE
- PALMAR SWEAT INDEX
- PSYCHOLOGICAL EFFECTS
- PSYCHOLOGICAL FACTORS
- PSYCHOLOGY
- SPACE FLIGHT STRESS
- SPACE PSYCHOLOGY
- ∞ STRESS (BIOLOGY)
- STRESS (PHYSIOLOGY)
- WORKLOADS (PSYCHOPHYSIOLOGY)

### STRESS ANALYSIS

- UF STRESS CALCULATIONS
- GS **STRESS ANALYSIS**
- .. BOUNDARY ELEMENT METHOD
- .. SCHWARTZ METHOD
- .. X RAY STRESS ANALYSIS
- RT AIRY FUNCTION
- ∞ ANALYZING
- BENDING MOMENTS
- BENDING THEORY
- CASIGLIANO VARIATIONAL THEOREM
- COMBINED STRESS
- CONSTRUCTION
- CREEP ANALYSIS
- DONNELL EQUATIONS
- ENERGY METHODS
- EULER BUCKLING
- ∞ FLIGHT STRESS
- FRINGE MULTIPLICATION
- INELASTIC STRESS
- INFLUENCE COEFFICIENT
- INTERFERENCE FIT
- ISOPARAMETRIC FINITE ELEMENTS
- MECHANICAL ENGINEERING
- MICHELL THEOREM
- MOIRE FRINGES
- MOMENTS OF INERTIA

### STRESS ANALYSIS-(CONT.)

- NASTRAN
- PHOTOELASTIC ANALYSIS
- PHOTOELASTICITY
- REISSNER THEORY
- S-N DIAGRAMS
- SAINT VENANT PRINCIPLE
- SHALLOW SHELL EQUATIONS
- STRESSES
- STRUCTURAL ANALYSIS
- STRUCTURAL DESIGN
- STRUCTURAL ENGINEERING
- TEMPERATURE INVERSIONS

### STRESS CALCULATIONS

- USE STRESS ANALYSIS

### STRESS CONCENTRATION

- GS DISTRIBUTION (PROPERTY)
- .. STRESS DISTRIBUTION
- .. **STRESS CONCENTRATION**
- RT COMBINED STRESS
- CONCENTRATING
- CRACK INITIATION
- CRACKING (FRACTURING)
- ELBER EQUATION
- FATIGUE (MATERIALS)
- FATIGUE TESTS
- FORCE DISTRIBUTION
- FRINGE MULTIPLICATION
- HOLE DISTRIBUTION (MECHANICS)
- HOLE GEOMETRY (MECHANICS)
- IMPACT STRENGTH
- IMPACT TESTS
- LOADS (FORCES)
- MECHANICAL PROPERTIES
- MICROMECHANICS
- MOIRE FRINGES
- MOMENT DISTRIBUTION
- NOTCH STRENGTH
- NOTCH TESTS
- PERFORATED PLATES
- PERFORATED SHELLS
- PLANE STRESS
- SAINT VENANT PRINCIPLE
- STRAIN DISTRIBUTION
- STRESS-STRAIN RELATIONSHIPS
- STRESSES
- STRUCTURAL STRAIN

### STRESS CORROSION

- GS CORROSION
- .. **STRESS CORROSION**
- .. STRESS CORROSION CRACKING
- RT CRACKING (FRACTURING)
- FRETTING CORROSION
- INTERGRANULAR CORROSION
- METAL FATIGUE
- SALT SPRAY TESTS
- TRANSGRANULAR CORROSION

### STRESS CORROSION CRACKING

- GS CORROSION
- .. STRESS CORROSION
- .. **STRESS CORROSION CRACKING**
- FRACTURING
- .. CRACKING (FRACTURING)
- .. **STRESS CORROSION CRACKING**
- RT CORROSION TESTS
- CRACK CLOSURE
- CRACK INITIATION
- CRACK PROPAGATION
- CRACK FATIGUE

### STRESS CYCLES

- GS CYCLES
- .. **STRESS CYCLES**
- MECHANICAL PROPERTIES
- .. **STRESS CYCLES**
- RT CYCLIC LOADS
- ELBER EQUATION
- FATIGUE (MATERIALS)
- FATIGUE LIFE
- FATIGUE TESTS
- S-N DIAGRAMS
- STRESSES

### STRESS DISTRIBUTION

- UF STRESS FIELDS
- GS DISTRIBUTION (PROPERTY)
- .. **STRESS DISTRIBUTION**
- .. STRESS CONCENTRATION
- RT CRACK PROPAGATION
- FORCE DISTRIBUTION
- FRACTURE MECHANICS

## STRESS FIELDS

**STRESS DISTRIBUTION-(CONT.)**  
 STRAIN DISTRIBUTION  
 STRESS INTENSITY FACTORS  
 STRESS-STRAIN RELATIONSHIPS

**STRESS FIELDS**  
 USE STRESS DISTRIBUTION

**STRESS FUNCTIONS**  
 UF VON MISES THEORY  
 GS FUNCTIONS (MATHEMATICS)  
 . **STRESS FUNCTIONS**  
 RT FRACTURING

**STRESS INTENSITY FACTORS**  
 RT BENDING THEORY  
 COMBINED STRESS  
 CRACK INITIATION  
 CRACK PROPAGATION  
 CRACKING (FRACTURING)  
 FORCE DISTRIBUTION  
 FRACTURE MECHANICS  
 HOLE GEOMETRY (MECHANICS)  
 LOADS (FORCES)  
 NOTCH STRENGTH  
 PLANE STRAIN  
 STRESS DISTRIBUTION  
 TENSILE STRESS

**STRESS MEASUREMENT**  
 GS MECHANICAL MEASUREMENT  
 . **STRESS MEASUREMENT**  
 . X RAY STRESS MEASUREMENT  
 RT DEFORMETERS  
 EXTENSOMETERS  
 PHOTOELASTIC ANALYSIS  
 S-N DIAGRAMS  
 STRAIN GAGES  
 TENSOMETERS  
 VIBRATION MEASUREMENT

**STRESS PROPAGATION**  
 GS TRANSMISSION  
 . **STRESS PROPAGATION**  
 RT ELASTIC WAVES  
 PLASTIC DEFORMATION  
 ∞ PROPAGATION

**STRESS RATIO**  
 GS MECHANICAL PROPERTIES  
 . **STRESS RATIO**  
 RATIOS  
 . **STRESS RATIO**  
 RT FATIGUE (MATERIALS)  
 FATIGUE TESTS  
 MODULAR RATIOS  
 PRESSURE RATIO  
 S-N DIAGRAMS

**STRESS RELAXATION**  
 GS MECHANICAL PROPERTIES  
 . **STRESS RELAXATION**  
 RELAXATION (MECHANICS)  
 . **STRESS RELAXATION**  
 RT ANELASTICITY  
 BORDONI PEAKS  
 CREEP ANALYSIS  
 CREEP DIAGRAMS  
 CREEP PROPERTIES  
 DUCTILITY  
 FATIGUE (MATERIALS)  
 PLASTIC DEFORMATION  
 PLASTIC FLOW  
 PLASTIC MEMORY  
 PLASTIC PROPERTIES  
 ∞ RECOVERY  
 RESIDUAL STRESS  
 SHEAR PROPERTIES  
 STRAIN ENERGY RELEASE RATE  
 STRESSES  
 TEMPERATURE INVERSIONS

**STRESS RELIEVING**  
 GS HEAT TREATMENT  
 . **STRESS RELIEVING**  
 RELIEVING  
 . **STRESS RELIEVING**  
 RT ALLOYS  
 ANNEALING  
 FATIGUE (MATERIALS)  
 ∞ RECOVERY  
 RESIDUAL STRESS  
 STABILIZATION  
 STRAIN HARDENING  
 TEMPERING

**STRESS RUPTURE STRENGTH**  
 USE CREEP RUPTURE STRENGTH

**STRESS TENSORS**  
 GS ALGEBRA  
 . TENSORS  
 . **STRESS TENSORS**  
 RT CONTINUUM MECHANICS  
 ELASTIC PROPERTIES  
 FRACTURE MECHANICS  
 PLASTIC PROPERTIES  
 STRUCTURAL DESIGN

**STRESS WAVES**  
 GS ELASTIC WAVES  
 . **STRESS WAVES**  
 RT ACOUSTIC EMISSION  
 SHOCK LAYERS  
 SHOCK WAVES  
 STRESSES  
 TEMPERATURE INVERSIONS  
 WAVE PROPAGATION  
 ∞ WAVES

**STRESS-STRAIN DIAGRAMS**  
 GS DIAGRAMS  
 . **STRESS-STRAIN DIAGRAMS**  
 RT AXIAL STRAIN  
 HOOKES LAW  
 INELASTIC STRESS  
 MODULUS OF ELASTICITY  
 POISSON RATIO  
 PROPORTIONAL LIMIT  
 SHAPE MEMORY ALLOYS  
 SHEAR PROPERTIES  
 STRAIN MEASUREMENT  
 STRUCTURAL STRAIN  
 YIELD STRENGTH

**STRESS-STRAIN RELATIONSHIPS**  
 RT ELASTIC DEFORMATION  
 PLANE STRAIN  
 PLASTIC DEFORMATION  
 ∞ RELATIONSHIPS  
 RESIDUAL STRESS  
 STRAIN DISTRIBUTION  
 STRAIN MEASUREMENT  
 STRESS CONCENTRATION  
 STRESS DISTRIBUTION  
 STRUCTURAL STRAIN  
 YIELD STRENGTH

**STRESS-STRAIN-TIME RELATIONS**  
 RT CREEP DIAGRAMS  
 NEWTONIAN FLUIDS  
 THERMOVISCOELASTICITY

**STRESSED-SKIN STRUCTURES**  
 RT MONOCOQUE STRUCTURES  
 SKIN (STRUCTURAL MEMBER)  
 SPHERICAL SHELLS  
 ∞ STRUCTURES  
 THIN WALLED SHELLS

**STRESSES**  
 GS **STRESSES**  
 . AXIAL STRESS  
 . COMBINED STRESS  
 . CRITICAL LOADING  
 . PHOTOSTRESSES  
 . PLANE STRESS  
 . RESIDUAL STRESS  
 . REYNOLDS STRESS  
 . SHEAR STRESS  
 . TORSIONAL STRESS  
 . TENSILE STRESS  
 . THERMAL STRESSES  
 . TRIAXIAL STRESSES  
 . VIBRATIONAL STRESS  
 RT BUCKLING  
 CRACKS  
 CREEP PROPERTIES  
 DESTRUCTION  
 FATIGUE (MATERIALS)  
 ∞ FLIGHT STRESS  
 IMPACT  
 LOADS (FORCES)  
 MECHANICAL PROPERTIES  
 MICROYIELD STRENGTH  
 PRESTRESSING  
 ROLLING CONTACT LOADS  
 SHEAR PROPERTIES  
 STRESS ANALYSIS  
 STRESS CONCENTRATION  
 STRESS CYCLES

**STRESSES-(CONT.)**  
 STRESS RELAXATION  
 STRESS WAVES  
 STRUCTURAL STRAIN  
 TEMPERATURE INVERSIONS  
 TRIBOLUMINESCENCE  
 X RAY STRESS ANALYSIS  
 YIELD STRENGTH

**STRETCH FORMING**  
 RT BULGING  
 COLD WORKING  
 ∞ DRAWING  
 METAL DRAWING  
 METAL WORKING  
 STRETCHING

**STRETCHERS**  
 GS MEDICAL EQUIPMENT  
 . **STRETCHERS**  
 RT FIRST AID

**STRETCHING**  
 UF DILATATION  
 RT COLD WORKING  
 DEEP DRAWING  
 DILATATIONAL WAVES  
 DISTORTION  
 ∞ DRAWING  
 DUCTILITY  
 ELASTIC DEFORMATION  
 ELONGATION  
 METAL WORKING  
 PLASTIC DEFORMATION  
 STRETCH FORMING  
 TEMPERING  
 ∞ TENSION  
 WINDING

**STRIATION**  
 RT GROOVING  
 MUSCULOSKELETAL SYSTEM  
 SHATTER CONES

**STRING THEORY**  
 SN (DOES NOT INCLUDE CLASSICAL  
 STRING THEORY)  
 UF SUPERSTRING THEORY  
 RT BOSONS  
 COSMOLOGY  
 FIELD THEORY (PHYSICS)  
 GAUGE THEORY  
 GRAND UNIFIED THEORY  
 GRAVITATION THEORY  
 PARTICLE THEORY  
 QUANTUM CHROMODYNAMICS  
 QUANTUM THEORY  
 RELATIVITY  
 SUPERSYMMETRY  
 THEORETICAL PHYSICS  
 UNIFIED FIELD THEORY

**STRINGERS**  
 GS STRUCTURAL MEMBERS  
 . **STRINGERS**  
 RT LONGERONS  
 REINFORCEMENT (STRUCTURES)  
 STRUCTURAL STABILITY

**STRINGS**  
 RT ASSEMBLIES  
 CORDAGE

∞ **STRIP**  
 SN (USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)  
 RT AIRPORTS  
 CIRCUITS  
 DISPLAY DEVICES  
 METAL STRIPS  
 RIBBONS  
 RUNWAYS

**STRIP MINING**  
 GS MINING  
 . **STRIP MINING**  
 RT CLAYS  
 COAL  
 EARTH RESOURCES  
 EXCAVATION  
 EXPLOITATION  
 MINERAL DEPOSITS  
 MINES (EXCAVATIONS)

# STRUCTURAL ANALYSIS

## STRIP MINING-(CONT.)

SOILS

## STRIP TRANSMISSION LINES

- GS TRANSMISSION LINES
  - . STRIP TRANSMISSION LINES
  - . MICROSTRIP TRANSMISSION LINES
- RT ANTENNA FEEDS
  - TRANSMISSION CIRCUITS

## STRIPPING

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT ANODIC STRIPPING
  - ION STRIPPING
  - PEELING
  - STRIPPING (DISTILLATION)

## STRIPPING (DISTILLATION)

- GS DISTILLATION
  - . STRIPPING (DISTILLATION)
- RT SEPARATION
  - STRIPPING
  - VAPORIZING

## STROBOSCOPES

- GS OPTICAL EQUIPMENT
  - . STROBOSCOPES
- RT BALLISTIC CAMERAS
  - HIGH SPEED CAMERAS
  - OPTICAL MEASUREMENT
  - SYNCHRONISM
  - TIME MEASUREMENT
  - VELOCITY MEASUREMENT

## STROKES

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT CEREBRAL VASCULAR ACCIDENTS
  - THERMODYNAMIC CYCLES

## STROKING TESTS

- GS VIBRATION TESTS
  - . DAMPING TESTS
  - . STROKING TESTS
- RT DYNAMIC RESPONSE
  - FREQUENCY RESPONSE
  - MODAL RESPONSE
  - SHOCK SPECTRA
  - STRUCTURAL VIBRATION
- TESTS
  - TRANSIENT RESPONSE
  - WAVE EXCITATION

## STRONG INTERACTIONS (FIELD THEORY)

- GS FIELD THEORY (PHYSICS)
  - . STRONG INTERACTIONS (FIELD THEORY)
  - PARTICLE INTERACTIONS
  - ELEMENTARY PARTICLE INTERACTIONS
  - . HIGH ENERGY INTERACTIONS
  - . STRONG INTERACTIONS (FIELD THEORY)
- RT GRAND UNIFIED THEORY
  - INTERACTIONS
  - NUCLEAR INTERACTIONS
  - NUCLEAR REACTIONS
- THEORIES
  - WEAK INTERACTIONS (FIELD THEORY)

## STRONGLY COUPLED PLASMAS

- GS PARTICLES
  - . CHARGED PARTICLES
  - . ENERGETIC PARTICLES
  - . PLASMAS (PHYSICS)
  - . COLLISIONAL PLASMAS
  - . STRONGLY COUPLED PLASMAS
  - . DENSE PLASMAS
  - . STRONGLY COUPLED PLASMAS
- RT CONTROLLED FUSION
  - COSMIC PLASMA
  - COUPLED MODES
  - HIGH TEMPERATURE PLASMAS
  - INERTIAL CONFINEMENT FUSION
  - MAGNETOHYDRODYNAMIC STABILITY
  - PLASMA COMPRESSION
  - PLASMA CONDUCTIVITY
  - PLASMA DENSITY
  - PLASMA EQUILIBRIUM
  - PLASMA FOCUS

## STRONTIUM

- GS CHEMICAL ELEMENTS
  - . STRONTIUM
  - . STRONTIUM ISOTOPES
  - . STRONTIUM 85
  - . STRONTIUM 87
  - . STRONTIUM 89
  - . STRONTIUM 90
- METALS
  - . STRONTIUM
  - . STRONTIUM ISOTOPES
  - . STRONTIUM 85
  - . STRONTIUM 87
  - . STRONTIUM 89
  - . STRONTIUM 90

## STRONTIUM BROMIDES

- GS HALOGEN COMPOUNDS
  - . BROMINE COMPOUNDS
  - . BROMIDES
  - . STRONTIUM BROMIDES
  - . HALIDES
  - . BROMIDES
  - . STRONTIUM BROMIDES
  - . METAL HALIDES
  - . STRONTIUM BROMIDES
- STRONTIUM COMPOUNDS
- STRONTIUM BROMIDES

## STRONTIUM COMPOUNDS

- GS STRONTIUM COMPOUNDS
  - . STRONTIUM BROMIDES
  - . STRONTIUM FLUORIDES
  - . STRONTIUM SULFIDES
  - . STRONTIUM TITANATES
  - . STRONTIUM ZIRCONATES
- RT ALKALINE EARTH COMPOUNDS
  - CHEMICAL COMPOUNDS
  - METAL COMPOUNDS

## STRONTIUM FLUORIDES

- GS HALOGEN COMPOUNDS
  - . FLUORINE COMPOUNDS
  - . FLUORIDES
  - . METAL FLUORIDES
  - . STRONTIUM FLUORIDES
- STRONTIUM COMPOUNDS
- STRONTIUM FLUORIDES

## STRONTIUM ISOTOPES

- GS CHEMICAL ELEMENTS
  - . NUCLIDES
  - . ISOTOPES
  - . STRONTIUM ISOTOPES
  - . STRONTIUM 85
  - . STRONTIUM 87
  - . STRONTIUM 89
  - . STRONTIUM 90
  - . STRONTIUM
  - . STRONTIUM ISOTOPES
  - . STRONTIUM 85
  - . STRONTIUM 87
  - . STRONTIUM 89
  - . STRONTIUM 90
- METALS
  - . STRONTIUM
  - . STRONTIUM ISOTOPES
  - . STRONTIUM 85
  - . STRONTIUM 87
  - . STRONTIUM 89
  - . STRONTIUM 90

## STRONTIUM SULFIDES

- GS CHALCOGENIDES
  - . SULFIDES
  - . INORGANIC SULFIDES
  - . STRONTIUM SULFIDES
- STRONTIUM COMPOUNDS
- STRONTIUM SULFIDES
- SULFUR COMPOUNDS
- SULFIDES
- . INORGANIC SULFIDES
- . STRONTIUM SULFIDES

## STRONTIUM TITANATES

- GS STRONTIUM COMPOUNDS
  - . STRONTIUM TITANATES
  - TITANIUM COMPOUNDS
  - TITANATES
  - . STRONTIUM TITANATES

## STRONTIUM ZIRCONATES

- GS STRONTIUM COMPOUNDS
  - . STRONTIUM ZIRCONATES
  - ZIRCONIUM COMPOUNDS

## STRONTIUM ZIRCONATES-(CONT.)

- . ZIRCONATES
- . STRONTIUM ZIRCONATES

## STRONTIUM 85

- GS CHEMICAL ELEMENTS
  - . NUCLIDES
  - . ISOTOPES
  - . RADIOACTIVE ISOTOPES
  - . STRONTIUM 85
  - . STRONTIUM ISOTOPES
  - . STRONTIUM 85
  - . STRONTIUM
  - . STRONTIUM ISOTOPES
  - . STRONTIUM 85
- METALS
  - . STRONTIUM
  - . STRONTIUM ISOTOPES
  - . STRONTIUM 85

## STRONTIUM 87

- GS CHEMICAL ELEMENTS
  - . NUCLIDES
  - . ISOTOPES
  - . STRONTIUM ISOTOPES
  - . STRONTIUM 87
  - . STRONTIUM
  - . STRONTIUM ISOTOPES
  - . STRONTIUM 87
  - . METALS
  - . STRONTIUM
  - . STRONTIUM ISOTOPES
  - . STRONTIUM 87

## STRONTIUM 88

- GS CHEMICAL ELEMENTS
  - . NUCLIDES
  - . ISOTOPES
  - . RADIOACTIVE ISOTOPES
  - . STRONTIUM 88

## STRONTIUM 89

- GS CHEMICAL ELEMENTS
  - . NUCLIDES
  - . ISOTOPES
  - . RADIOACTIVE ISOTOPES
  - . STRONTIUM 89
  - . STRONTIUM ISOTOPES
  - . STRONTIUM 89
  - . STRONTIUM
  - . STRONTIUM ISOTOPES
  - . STRONTIUM 89
  - . METALS
  - . STRONTIUM
  - . STRONTIUM ISOTOPES
  - . STRONTIUM 89

## STRONTIUM 90

- GS CHEMICAL ELEMENTS
  - . NUCLIDES
  - . ISOTOPES
  - . RADIOACTIVE ISOTOPES
  - . STRONTIUM 90
  - . STRONTIUM ISOTOPES
  - . STRONTIUM 90
  - . STRONTIUM
  - . STRONTIUM ISOTOPES
  - . STRONTIUM 90
  - . METALS
  - . STRONTIUM
  - . STRONTIUM ISOTOPES
  - . STRONTIUM 90

## STROUHAL NUMBER

- GS RATIOS
  - . DIMENSIONLESS NUMBERS
  - . STROUHAL NUMBER
- RT BACKWASH
  - BUFFETING
  - FLOW CHARACTERISTICS
  - FLOW DISTRIBUTION
  - FLOW STABILITY
  - FROUDE NUMBER
  - OSCILLATING FLOW
  - SLIPSTREAMS
  - TURBULENCE
  - UNSTEADY FLOW
  - VORTICES
  - WAKES

## STRUCTURAL ANALYSIS

- UF MEMBRANE ANALOGY
  - MEMBRANE THEORY
- GS STRUCTURAL ANALYSIS
  - . DYNAMIC STRUCTURAL ANALYSIS



## STRUCTURAL BASINS

### STRUCTURAL ANALYSIS-(CONT.)

- . ENERGY METHODS
- . BERNSTEIN ENERGY PRINCIPLE
- . STRAIN ENERGY METHODS
- . EQUILIBRIUM METHODS
- . FLUTTER ANALYSIS
- . MATRIX METHODS

- RT  $\infty$  ANALYZING
- CASIGLIANO VARIATIONAL THEOREM
  - CONSTRUCTION
  - CONTINUUM MODELING
  - CREEP ANALYSIS
  - HOLE GEOMETRY (MECHANICS)
  - INFLUENCE COEFFICIENT
  - J INTEGRAL
  - LOADING MOMENTS
  - MEGAMECHANICS
  - MICHELL THEOREM
  - MODULAR RATIOS
  - MOMENT DISTRIBUTION
  - NASTRAN
  - ORBITAL SPACE TESTS
  - PATCH TESTS
  - PLATE THEORY
  - SOLID MECHANICS
  - STIFFNESS MATRIX
  - STRESS ANALYSIS

### STRUCTURAL BASINS

- UF BASINS
- CLOSED BASINS
  - DEPRESSIONS (TOPOGRAPHY)
  - SINKS (GEOLOGY)
- GS LANDFORMS
- . **STRUCTURAL BASINS**
  - . CIRQUES (LANDFORMS)
  - . GREAT BASIN (US)
  - . KALAHARI BASIN (AFRICA)
  - . KARST
  - . SINKHOLES
  - . KETTLES (GEOLOGY)
  - . LAKE CHAMPLAIN BASIN (NY-VT)
  - . RIVER BASINS
  - . . . ATCHAFALAYA RIVER BASIN (LA)
  - . . . CHENA RIVER BASIN (AK)
  - . . . COLUMBIA RIVER BASIN (ID-OR-WA)
  - . . . DELAWARE RIVER BASIN (US)
  - . . . FEATHER RIVER BASIN (CA)
  - . . . MISSOURI RIVER BASIN (US)
  - . . . SUSQUEHANNA RIVER BASIN (MD-NY-PA)
  - . . . WABASH RIVER BASIN (IL-IN-OH)
  - . . . WADIS
  - . . . WATERSHEDS
  - . . . WILLISTON BASIN (NORTH AMERICA)
- RT GEOLOGY
- SEAMOUNTS
  - VALLEYS

### STRUCTURAL BEAMS

- USE BEAMS (SUPPORTS)

### STRUCTURAL DESIGN

- GS **STRUCTURAL DESIGN**
- . PRESSURE VESSEL DESIGN
- RT AEROELASTIC RESEARCH WINGS
- AIRCRAFT DESIGN
  - AIRFRAME MATERIALS
  - ARCHITECTURE
  - BREAKWATERS
  - COMPUTER AIDED DESIGN
  - CONSTRUCTION
- $\infty$  DESIGN
- HELICOPTER DESIGN
  - LOFTING
  - MISSILE DESIGN
  - PLANT DESIGN
  - PRODUCT DEVELOPMENT
  - SATELLITE DESIGN
  - SHIP HULLS
  - SHOCK SPECTRA
  - SPACE STATION STRUCTURES
  - SPACECRAFT DESIGN
  - SPACECRAFT STRUCTURES
  - STRESS ANALYSIS
  - STRESS TENSORS
  - SUBSTRUCTURES
  - UNDERWATER STRUCTURES
  - WEIGHT REDUCTION

### STRUCTURAL DESIGN CRITERIA

- GS CRITERIA
- . **STRUCTURAL DESIGN CRITERIA**
- RT AERODYNAMIC LOADS
- AXIAL COMPRESSION LOADS

### STRUCTURAL DESIGN CRITERIA-(CONT.)

- AXIAL LOADS
  - BENDING MOMENTS
  - COMPRESSION LOADS
  - CYCLIC LOADS
- $\infty$  DESIGN
- DYNAMIC LOADS
  - GEOTECHNICAL ENGINEERING
  - GUST LOADS
  - IMPACT LOADS
  - LANDING LOADS
  - LOADS (FORCES)
  - MASS DISTRIBUTION
  - MOMENT DISTRIBUTION
  - PRESSURE DISTRIBUTION
  - RANDOM LOADS
  - ROLLING CONTACT LOADS
  - SHOCK LOADS
  - STATIC LOADS
  - THRUST LOADS
  - TRANSIENT LOADS
  - VIBRATORY LOADS

### STRUCTURAL DYNAMICS

- USE DYNAMIC STRUCTURAL ANALYSIS

### STRUCTURAL ENGINEERING

- RT AERONAUTICAL ENGINEERING
- AEROSPACE ENGINEERING
  - CONSTRUCTION
- $\infty$  ENGINEERING
- GEOTECHNICAL ENGINEERING
  - MEGAMECHANICS
  - MODULAR RATIOS
  - STRESS ANALYSIS

### STRUCTURAL FAILURE

- GS FAILURE
- . **STRUCTURAL FAILURE**
- RT
- BENDING
  - BUCKLING
  - COLLAPSE
  - CRACKING (FRACTURING)
  - CREEP PROPERTIES
  - DEFORMATION
  - FATIGUE (MATERIALS)
  - FRACTURING
  - MECHANICAL PROPERTIES
  - SYSTEM FAILURES

### STRUCTURAL FATIGUE

- USE FATIGUE (MATERIALS)

### STRUCTURAL FOUNDATIONS

- USE FOUNDATIONS

### STRUCTURAL INFLUENCE COEFFICIENTS

- UF SIC (COEFFICIENT)
- GS COEFFICIENTS
- . INFLUENCE COEFFICIENT
  - . **STRUCTURAL INFLUENCE COEFFICIENTS**

### STRUCTURAL MATERIALS

- USE CONSTRUCTION MATERIALS

### STRUCTURAL MEMBERS

- GS **STRUCTURAL MEMBERS**
- . BEAMS (SUPPORTS)
  - . . . BOX BEAMS
  - . . . CANTILEVER BEAMS
  - . . . CURVED BEAMS
  - . . . I BEAMS
  - . . . RECTANGULAR BEAMS
  - . . . TIMOSHENKO BEAMS
  - . . . COLUMNS (SUPPORTS)
  - . . . TAPERED COLUMNS
  - . . . FLAT PLATES
  - . . . GIRDER
  - . . . LONGERONS
  - . . . MEMBRANE STRUCTURES
  - . . . SKIN (STRUCTURAL MEMBER)
  - . . . PLATES (STRUCTURAL MEMBERS)
  - . . . ANISOTROPIC PLATES
  - . . . ANNULAR PLATES
  - . . . CANTILEVER PLATES
  - . . . CIRCULAR PLATES
  - . . . CORRUGATED PLATES
  - . . . ELASTIC PLATES
  - . . . END PLATES
  - . . . GIRDER WEBS
  - . . . METAL PLATES
  - . . . . BOILER PLATE
  - . . . ORTHOTROPIC PLATES
  - . . . PERFORATED PLATES

### STRUCTURAL MEMBERS-(CONT.)

- . . . PLASTIC PLATES
  - . . . POROUS PLATES
  - . . . RECTANGULAR PLATES
  - . . . REINFORCED PLATES
  - . . . SADDLES (SUPPORTS)
  - . . . STRAKES
  - . . . STRINGERS
  - . . . STRUTS
  - . . . TRUSSES
  - . . . WING PANELS
- RT AIRCRAFT CONSTRUCTION MATERIALS
- AIRFRAME MATERIALS
  - BARS
- $\infty$  CHANNELS
- $\infty$  COMPONENTS
- CONCRETES
  - CONSTRUCTION
- $\infty$  CONSTRUCTION MATERIALS
- FASTENERS
  - FOUNDATIONS
  - GUY WIRES
  - JOINTS (JUNCTIONS)
  - MASONRY
  - PYLON MOUNTING
  - PYLONS
  - RECTANGULAR PANELS
  - REINFORCEMENT (STRUCTURES)
  - RODS
  - SLABS
  - STIFFNESS MATRIX
- $\infty$  STRUCTURES
- SUBSTRUCTURES
  - THICK WALLS

### STRUCTURAL PROPERTIES (GEOLOGY)

- UF LINEAMENT
- GS GEOLOGY
- . **STRUCTURAL PROPERTIES (GEOLOGY)**
- RT
- EARTH CORE
  - EARTH CRUST
  - EARTH MANTLE
  - EARTH PLANETARY STRUCTURE
  - EARTH SURFACE
  - FISSURES (GEOLOGY)
  - GEOPHYSICS
  - GREAT BASIN (US)
  - HYDROLOGY
  - INLIERS (LANDFORMS)
  - LANDFORMS
  - PLANETARY COMPOSITION
  - PLATES (TECTONICS)
- $\infty$  PROPERTIES
- ROCK MECHANICS
  - SHATTER CONES
  - SINKHOLES
  - SUBDUCTION (GEOLOGY)

### STRUCTURAL RELIABILITY

- GS RELIABILITY
- . **STRUCTURAL RELIABILITY**
- RT AIRCRAFT RELIABILITY
- COMPONENT RELIABILITY
  - CUMULATIVE DAMAGE
  - QUALITY CONTROL

### STRUCTURAL RIGIDITY

- USE STRUCTURAL STABILITY

### STRUCTURAL STABILITY

- UF STRUCTURAL RIGIDITY
- GS MECHANICAL PROPERTIES
- . DIMENSIONAL STABILITY
  - . **STRUCTURAL STABILITY**
  - . . . SHELL STABILITY
  - . . . STABILITY
  - . . . STATIC STABILITY
  - . . . DIMENSIONAL STABILITY
  - . . . **STRUCTURAL STABILITY**
  - . . . SHELL STABILITY
- RT AIRCRAFT STABILITY
- COMBUSTION VIBRATION
  - HYBRID STRUCTURES
  - LONGERONS
  - PLASTIC PROPERTIES
  - REINFORCEMENT (STRUCTURES)
  - RESONANCE TESTING
- $\infty$  RIGIDITY
- STIFFNESS
  - STRINGERS
  - WAVE RESISTANCE

### STRUCTURAL STRAIN

- GS FATIGUE (MATERIALS)
- . **STRUCTURAL STRAIN**

**STRUCTURAL STRAIN-(CONT.)**

RT AXIAL STRAIN  
BENDING  
BUCKLING  
CRACKING (FRACTURING)  
DEFLECTION  
DEFORMATION  
ELASTIC DEFORMATION  
FAILURE  
MOMENTS OF INERTIA  
PLASTIC DEFORMATION  
PRESTRESSING  
REINFORCEMENT (STRUCTURES)  
RUPTURING  
SHEAR STRAIN  
SHEARING  
STRAIN MEASUREMENT  
STRESS CONCENTRATION  
STRESS-STRAIN DIAGRAMS  
STRESS-STRAIN RELATIONSHIPS  
STRESSES  
SYSTEM FAILURES  
TEMPERATURE INVERSIONS  
TWISTING  
VOLUMETRIC STRAIN  
WARPAGE

**STRUCTURAL VIBRATION**

GS VIBRATION  
  . STRUCTURAL VIBRATION  
  . . BENDING VIBRATION  
  . . BREATHING VIBRATION  
  . . FLUTTER  
  . . . PANEL FLUTTER  
  . . . SUBSONIC FLUTTER  
  . . . SUPERSONIC FLUTTER  
  . . . TRANSONIC FLUTTER  
  . . LINEAR VIBRATION  
  . . MISSILE VIBRATION  
  . . SELF INDUCED VIBRATION  
  . . . PANEL FLUTTER  
  . . . SUBSONIC FLUTTER  
  . . . SUPERSONIC FLUTTER  
  . . . TRANSONIC FLUTTER  
  . . TORSIONAL VIBRATION  
RT AIRFOIL OSCILLATIONS  
EARTHQUAKE RESISTANT STRUCTURES  
FLEXIBLE SPACECRAFT  
FLUTTER ANALYSIS  
GYRODAMPERS  
RANDOM VIBRATION  
RESONANT VIBRATION  
SHAKING  
SHOCK SPECTRA  
STROKING TESTS  
VIBRATION TESTS

**STRUCTURAL WEIGHT**

GS WEIGHT (MASS)  
  . STRUCTURAL WEIGHT  
RT MASS RATIOS  
NEW MOONS PROJECT  
WEIGHT ANALYSIS  
WEIGHT REDUCTION

**∞ STRUCTURES**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT AIRCRAFT STRUCTURES  
ARCHITECTURE  
ATOMIC STRUCTURE  
BREAKWATERS  
BRIDGES (STRUCTURES)  
COMPOSITE STRUCTURES  
CONCRETE STRUCTURES  
CONFIGURATION INTERACTION  
CRYSTAL STRUCTURE  
EARTH PLANETARY STRUCTURE  
EARTHQUAKE RESISTANT STRUCTURES  
EXPANDABLE STRUCTURES  
FINE STRUCTURE  
FOLDING STRUCTURES  
FOUNDATIONS  
FRAMES  
GALACTIC STRUCTURE  
HONEYCOMB STRUCTURES  
HYBRID STRUCTURES  
HYPERFINE STRUCTURE  
INFLATABLE STRUCTURES  
INTRAMOLECULAR STRUCTURES  
ISOTENSOID STRUCTURES  
LARGE SPACE STRUCTURES  
MEMBRANE STRUCTURES  
MICROSTRUCTURE

**STRUCTURES-(CONT.)**

MISSILE STRUCTURES  
MOLECULAR STRUCTURE  
MONOCOQUE STRUCTURES  
PLANAR STRUCTURES  
REDUNDANT COMPONENTS  
RIGID STRUCTURES  
RING STRUCTURES  
SANDWICH STRUCTURES  
SPACE ERECTABLE STRUCTURES  
SPACE STATION STRUCTURES  
SPACECRAFT STRUCTURES  
STEEL STRUCTURES  
STELLAR STRUCTURE  
STRESSED-SKIN STRUCTURES  
STRUCTURAL MEMBERS  
SUBSTRUCTURES  
TANKS (CONTAINERS)  
TOWERS  
TRUSSES  
UNIMOLECULAR STRUCTURES  
VARIABLE GEOMETRY STRUCTURES  
WELDED STRUCTURES  
WOODEN STRUCTURES

**STRUTS**

GS STRUCTURAL MEMBERS  
  . STRUTS  
RT CHASSIS  
COLUMNS (SUPPORTS)  
FRAMES  
PYLONS  
SUPPORTS  
TRUSSES

**STRYCHNINE**

GS BASES (CHEMICAL)  
  . ALKALOIDS  
  . . STRYCHNINE  
  . . NITROGEN COMPOUNDS  
  . . ALKALOIDS  
  . . . STRYCHNINE  
  . . . ORGANIC COMPOUNDS  
  . . . CYCLIC COMPOUNDS  
  . . . HETEROCYCLIC COMPOUNDS  
  . . . ALKALOIDS  
  . . . . STRYCHNINE  
  . . . POISONS  
  . . . STRYCHNINE  
RT STIMULANTS

**STS**

USE SPACE TRANSPORTATION SYSTEM

**STS-1**

USE SPACE TRANSPORTATION SYSTEM 1  
FLIGHT

**STS-2**

USE SPACE TRANSPORTATION SYSTEM 2  
FLIGHT

**STS-3**

USE SPACE TRANSPORTATION SYSTEM 3  
FLIGHT

**STS-4**

USE SPACE TRANSPORTATION SYSTEM 4  
FLIGHT

**STS-5**

USE SPACE SHUTTLE MISSION 31-A

**STS-6**

USE SPACE SHUTTLE MISSION 31-B

**STS-7**

USE SPACE SHUTTLE MISSION 31-C

**STS-8**

USE SPACE SHUTTLE MISSION 31-D

**STS-9**

USE SPACE SHUTTLE MISSION 41-A

**STS-11**

USE SPACE SHUTTLE MISSION 41-B

**STS-13**

USE SPACE SHUTTLE MISSION 41-C

**STS-14**

USE SPACE SHUTTLE MISSION 41-D

**STS-17**

USE SPACE SHUTTLE MISSION 41-G

**STS-19**

USE SPACE SHUTTLE MISSION 51-A

**STS-20**

USE SPACE SHUTTLE MISSION 51-C

**STS-22**

USE SPACE SHUTTLE MISSION 51-E

**STS-23**

USE SPACE SHUTTLE MISSION 51-D

**STS-24**

USE SPACE SHUTTLE MISSION 51-B

**STS-25**

USE SPACE SHUTTLE MISSION 51-G

**STS-26**

USE SPACE SHUTTLE MISSION 51-F

**STS-27**

USE SPACE SHUTTLE MISSION 51-I

**STS-28**

USE SPACE SHUTTLE MISSION 51-J

**STS-29**

USE SPACE SHUTTLE MISSION 61-A

**STS-30**

USE SPACE SHUTTLE MISSION 61-A

**STS-31**

USE SPACE SHUTTLE MISSION 51-H  
SPACE SHUTTLE MISSION 61-B

**STS-32**

USE SPACE SHUTTLE MISSION 61-C

**STS-33**

USE SPACE SHUTTLE MISSION 51-L

**STS-34**

USE SPACE SHUTTLE MISSION 61-E

**STUDENTS**

UF TRAINEES  
RT EDUCATION  
INSTRUCTORS  
LEARNING  
TRAINING EVALUATION  
UNIVERSITIES

**STUDIES**

USE INVESTIGATION

**STUDS (STRUCTURAL MEMBERS)**

RT ANCHORS (FASTENERS)  
BOLTS  
COLUMNS (SUPPORTS)  
FASTENERS  
HOLDERS  
LUGS  
PINS  
SCREWS  
WALLS

**STURM-LIOUVILLE OPERATOR**

USE STURM-LIOUVILLE THEORY

**STURM-LIOUVILLE THEORY**

UF STURM-LIOUVILLE OPERATOR  
GS ANALYSIS (MATHEMATICS)  
  . REAL VARIABLES  
  . . STURM-LIOUVILLE THEORY  
RT DIFFERENTIAL EQUATIONS  
LAMB WAVES  
LAME WAVE EQUATIONS  
∞ THEORIES

**STYLUSES**

USE PENS

**STYPHNATES**

GS EXPLOSIVES  
  . STYPHNATES  
RT ∞ CHEMICAL COMPOUNDS  
  ∞ INITIATORS  
  INITIATORS (EXPLOSIVES)

## STYRENES

### STYRENES

- GS STYRENES
  - . POLYSTYRENE
  - . . STYROFOAM (TRADEMARK)
- RT BUNA (TRADEMARK)

### STYROFOAM (TRADEMARK)

- GS PLASTICS
  - . POLYSTYRENE
  - . . STYROFOAM (TRADEMARK)
- STYRENES
  - . POLYSTYRENE
  - . . STYROFOAM (TRADEMARK)
- RT FOAMS
  - ∞ POLYMERS

### SUBARCTIC REGIONS

- GS REGIONS
  - . SUBARCTIC REGIONS
- RT ARCTIC REGIONS

### SUBASSEMBLIES

- UF SUBCIRCUITS
- GS ASSEMBLIES
  - . SUBASSEMBLIES
- RT ACCESSORIES
  - ∞ COMPONENTS

### SUBAUDIBLE FREQUENCIES

- GS FREQUENCIES
  - . SUBAUDIBLE FREQUENCIES
  - RANGE (EXTREMES)
  - . FREQUENCY RANGES
  - . . SUBAUDIBLE FREQUENCIES
- RT ACOUSTIC FREQUENCIES
  - FREQUENCY DISTRIBUTION
  - HARMONICS
  - ZERO SOUND

### SUBCARRIER WAVES

- USE CARRIER WAVES

### SUBCIRCUITS

- USE CIRCUITS
  - SUBASSEMBLIES

### SUBCONTRACTS

- GS CONTRACTS
  - . SUBCONTRACTS
- RT AGREEMENTS
  - CONTRACT MANAGEMENT
  - CONTRACT NEGOTIATION
  - CONTRACTORS
  - ESTIMATES
  - GRANTS
  - OPTIONS
  - PROCUREMENT

### SUBCRITICAL FLOW

- GS FLUID FLOW
  - . SUBCRITICAL FLOW
- RT CRITICAL FLOW
  - FLOW CHARACTERISTICS
  - GAS FLOW
  - LIQUID FLOW
  - MULTIPHASE FLOW
  - ORIFICE FLOW
  - PIPE FLOW
  - PRESSURE GRADIENTS
  - SINGLE-PHASE FLOW
  - STEADY FLOW
  - STEAM FLOW
  - SUPERCRITICAL FLOW
  - TURBULENT FLOW
  - UNIFORM FLOW
  - UNSTEADY FLOW

### SUBCRITICAL MASS

- GS MASS
  - . SUBCRITICAL MASS
- RT CRITICAL MASS
  - NUCLEAR FISSION
  - NUCLEAR REACTIONS

### SUBDIVISIONS

- RT ∞ DIVISION
  - ∞ GROUPS
  - ∞ SECTIONS
  - SET THEORY
  - SUBGROUPS
  - SUBSIDIARIES

### SUBDUCTION (GEOLOGY)

- GS GEOLOGY

### SUBDUCTION (GEOLOGY)-(CONT.)

- . SUBDUCTION (GEOLOGY)
- RT EARTH MANTLE
  - EARTHQUAKES
  - LITHOSPHERE
  - PLATES (TECTONICS)
  - SEISMOLOGY
  - STRUCTURAL PROPERTIES (GEOLOGY)
  - TECTONICS

### SUBDWARF STARS

- GS CELESTIAL BODIES
  - . STARS
  - . . SUBDWARF STARS
- RT DWARF STARS
  - MAIN SEQUENCE STARS
  - RED DWARF STARS
  - WHITE DWARF STARS

### SUBGIANT STARS

- GS CELESTIAL BODIES
  - . STARS
  - . . SUBGIANT STARS
- RT CARBON STARS
  - DWARF STARS
  - GIANT STARS
  - LATE STARS
  - M STARS
  - MAIN SEQUENCE STARS
  - STELLAR EVOLUTION
  - SUPERGIANT STARS

### SUBGRAVITY

- USE REDUCED GRAVITY

### SUBGROUPS

- UF SUBLATTICES
- GS ALGEBRA
  - . GROUP THEORY
  - . . HOMOMORPHISMS
  - . . . SUBGROUPS
- RT MATRICES (MATHEMATICS)
  - NUMBER THEORY
  - PROBABILITY THEORY
  - SET THEORY
  - SUBDIVISIONS
  - SUBSIDIARIES

### SUBHARMONIC GENERATORS

- RT DAMPING
  - ∞ GENERATORS
  - HARMONIC GENERATORS
  - HARMONIC OSCILLATORS
  - HARMONICS
  - OSCILLATORS
  - SIGNAL GENERATORS
  - STIMULATED EMISSION DEVICES

### SUBIC PROJECT

- USE SUBMARINE INTEGRATED CONTROL PROJECT

### SUBJECTS

- GS CLASSIFICATIONS
  - . SUBJECTS
- RT HANDBOOKS
  - INFORMATION RETRIEVAL
  - TEXTBOOKS

### SUBLATTICES

- USE LATTICES (MATHEMATICS) SUBGROUPS

### SUBLAYERS

- USE SUBSTRATES

### SUBLETHAL DOSAGE

- GS DOSAGE
  - . SUBLETHAL DOSAGE
- RT DRUGS

### SUBLIMATION

- GS PHASE TRANSFORMATIONS
  - . VAPORIZING
  - . . SUBLIMATION
- RT ABLATION
  - BENEFICIATION
  - CONDENSING
  - CRYSTALLIZATION
  - DESORPTION
  - DIFFUSION
  - EVAPORATION
  - GAS-METAL INTERACTIONS
  - GAS-SOLID INTERFACES

### SUBLIMATION-(CONT.)

- PHASE CHANGE MATERIALS
- PURIFICATION
- PYROMETALLURGY
- REFINING
- ∞ SEPARATION
- VAPOR PRESSURE

### SUBLIMINAL STIMULI

- RT PSYCHOLOGY
  - SENSORY STIMULATION
- ∞ STIMULI

### SUBMARINE CABLES

- GS TRANSMISSION LINES
  - . SUBMARINE CABLES
- RT ∞ CABLES
  - COAXIAL CABLES
  - COMMUNICATION CABLES
  - POWER LINES

### SUBMARINE INTEGRATED CONTROL PROJECT

- UF SUBIC PROJECT
- GS PROGRAMS
  - . PROJECTS
  - . . SUBMARINE INTEGRATED CONTROL PROJECT
- RT ∞ CONTROL

### SUBMARINE PROPULSION

- GS PROPULSION
  - . MARINE PROPULSION
  - . . UNDERWATER PROPULSION
  - . . . SUBMARINE PROPULSION

### SUBMARINES

- GS WATER VEHICLES
  - . SHIPS
  - . . SUBMARINES
  - . . . BALLISTIC MISSILE SUBMARINES
  - . . . GUIDED MISSILE SUBMARINES
  - . . . TRIDENT SUBMARINE
  - . . . UNDERWATER VEHICLES
  - . . . SUBMARINES
  - . . . BALLISTIC MISSILE SUBMARINES
  - . . . GUIDED MISSILE SUBMARINES
  - . . . TRIDENT SUBMARINE
- RT ANTISHIP MISSILES
  - ANTISHIP WARFARE
  - ANTISUBMARINE WARFARE
- ∞ MILITARY VEHICLES
  - NAVY
  - NUCLEAR POWERED SHIPS
  - SEAFARER PROJECT
  - SHIP HULLS
  - SUBMERGED BODIES

### SUBMERGED BODIES

- GS SUBMERGED BODIES
  - . DIVING (UNDERWATER)
  - . UNDERWATER RESEARCH LABORATORIES
- RT SUBMARINES
  - TORPEDOES
  - TOWED BODIES
  - UNDERWATER ENGINEERING
  - UNDERWATER PHOTOGRAPHY
  - UNDERWATER STRUCTURES
  - UNDERWATER VEHICLES
  - WATER IMMERSION

### SUBMERGING

- UF IMMERSION
- RT BATHS
  - DIPPING
  - QUENCHING (COOLING)
  - SINKING
  - ∞ SOAKING
  - WATER IMMERSION
  - WEIGHTLESSNESS SIMULATION
  - WETTING

### SUBMERSIBLE AIRCRAFT

- RT ∞ AIRCRAFT
  - ANTISUBMARINE WARFARE AIRCRAFT
  - LIGHT AIRCRAFT
  - ∞ MILITARY AIRCRAFT
  - RECONNAISSANCE AIRCRAFT
  - RESEARCH AIRCRAFT
  - WATER TAKEOFF AND LANDING AIRCRAFT

### SUBMILLIMETER WAVES

- SN (BELOW 1 MILLIMETER)

## SUDDEN ENHANCEMENT OF ATMOSPHERICS

### SUBMILLIMETER WAVES-(CONT.)

GS ELECTROMAGNETIC RADIATION  
 . RADIO WAVES  
 . . SHORT WAVE RADIATION  
 . . . **SUBMILLIMETER WAVES**  
 RT BEAMS (RADIATION)  
 ELECTROMAGNETIC NOISE  
 FAR INFRARED RADIATION  
 FREQUENCIES  
 MICROWAVES  
 MILLIMETER WAVES  
 WAVELENGTHS

### SUBMINIATURIZATION

GS MINIATURIZATION  
 . **SUBMINIATURIZATION**  
 RT ELECTRONIC MODULES  
 MICROMINIATURIZATION  
 MINIATURE ELECTRONIC EQUIPMENT  
 PRINTED CIRCUITS

### SUBORBITAL FLIGHT

RT ∞ FLIGHT  
 MANNED SPACE FLIGHT  
 ORBITS  
 PARABOLIC FLIGHT  
 ROCKET FLIGHT  
 SPACE FLIGHT  
 WEIGHTLESSNESS

### SUBREFLECTORS

RT CASSEGRAIN ANTENNAS  
 CONDUCTORS  
 REFLECTOR ANTENNAS  
 REFLECTORS  
 SCANNERS

### SUBROC MISSILE

GS MISSILES  
 . BALLISTIC MISSILES  
 . . FIELD ARMY BALLISTIC MISSILES  
 . . . **SUBROC MISSILE**  
 . SURFACE TO SURFACE MISSILES  
 . . FLEET BALLISTIC MISSILES  
 . . . **SUBROC MISSILE**  
 . UNDERWATER TO SURFACE MISSILES  
 . . **SUBROC MISSILE**  
 RT UNDERWATER TRAJECTORIES

### SUBROUTINE LIBRARIES (COMPUTERS)

GS COMPUTER PROGRAMS  
 . COMPUTER SYSTEMS PROGRAMS  
 . . **SUBROUTINE LIBRARIES (COMPUTERS)**  
 RT SUBROUTINES

### SUBROUTINES

GS COMPUTER PROGRAMS  
 . **SUBROUTINES**  
 DATA CONVERSION ROUTINES  
 . **SUBROUTINES**  
 RT COMPILERS  
 PARSING ALGORITHMS  
 SUBROUTINE LIBRARIES (COMPUTERS)  
 USER MANUALS (COMPUTER PROGRAMS)

### SUBSETS (MATHEMATICS)

USE SET THEORY

### SUBSIDENCE

RT ISOSTASY  
 MINES (EXCAVATIONS)  
 SETTLING

### SUBSIDIARIES

RT ∞ DIVISION  
 ∞ SECTIONS  
 SUBDIVISIONS  
 SUBGROUPS

### ∞ SUBSONIC AIRCRAFT

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT ∞ AIRCRAFT  
 FLYING PLATFORMS  
 GENERAL AVIATION AIRCRAFT  
 GETOL AIRCRAFT  
 GLIDERS  
 GROUND EFFECT MACHINES  
 HELICOPTERS  
 JET AIRCRAFT  
 LIGHT AIRCRAFT

### SUBSONIC AIRCRAFT-(CONT.)

PARAGLIDERS  
 PASSENGER AIRCRAFT  
 ROTARY WING AIRCRAFT  
 SHORT TAKEOFF AIRCRAFT  
 SUPERSONIC AIRCRAFT  
 TANDEM WING AIRCRAFT  
 TERRAIN FOLLOWING AIRCRAFT  
 TRAINING AIRCRAFT  
 TRANSPORT AIRCRAFT  
 TURBOPROP AIRCRAFT  
 UTILITY AIRCRAFT  
 VERTICAL TAKEOFF AIRCRAFT  
 WATER TAKEOFF AND LANDING AIRCRAFT

### SUBSONIC FLOW

GS FLUID FLOW  
 . **SUBSONIC FLOW**  
 RT AERODYNAMICS  
 COMPRESSIBLE FLOW  
 FLOW VELOCITY  
 GAS FLOW  
 INCOMPRESSIBLE FLOW  
 KARMAN VORTEX STREET  
 TRANSONIC FLOW

### SUBSONIC FLUTTER

GS VIBRATION  
 . STRUCTURAL VIBRATION  
 . . FLUTTER  
 . . . **SUBSONIC FLUTTER**  
 . . SELF INDUCED VIBRATION  
 . . . **SUBSONIC FLUTTER**  
 RT TRANSONIC FLUTTER

### SUBSONIC SPEED

SN (LESS THAN MACH 1)  
 GS RATES (PER TIME)  
 . **SUBSONIC SPEED**  
 VELOCITY  
 . **SUBSONIC SPEED**  
 RT ACOUSTIC VELOCITY  
 LOW SPEED  
 TRANSONIC SPEED

### SUBSONIC WIND TUNNELS

GS TEST FACILITIES  
 . WIND TUNNELS  
 . . LOW SPEED WIND TUNNELS  
 . . . **SUBSONIC WIND TUNNELS**  
 RT BLOWDOWN WIND TUNNELS  
 HYPERSONIC WIND TUNNELS  
 RECTANGULAR WIND TUNNELS  
 SUPERSONIC WIND TUNNELS  
 TRANSONIC WIND TUNNELS

### SUBSTANCES

USE MATERIALS

### SUBSTITUTES

UF SUBSTITUTION  
 RT ALTERNATIVES  
 REPLACING  
 VARIATIONS

### SUBSTITUTION

USE SUBSTITUTES

### SUBSTRATES

UF SUBLAYERS  
 GS STRATA  
 . **SUBSTRATES**  
 RT COATINGS  
 LAMINATES  
 ∞ LAYERS  
 METALLIZING  
 PHOTOMASKS  
 PLATING  
 PLY ORIENTATION  
 PRIMERS (COATINGS)

### SUBSTRUCTURES

RT FLOORS  
 FOUNDATIONS  
 STRUCTURAL DESIGN  
 STRUCTURAL MEMBERS  
 ∞ STRUCTURES  
 SUPPORTS  
 UNDERCARRIAGES  
 WALLS

### SUBTRACTION

GS NUMBER THEORY

### SUBTRACTION-(CONT.)

. **SUBTRACTION**  
 RT ARITHMETIC  
 COMPUTATION  
 GAUSSIAN ELIMINATION

### SUBTROPICAL REGIONS

USE TEMPERATE REGIONS  
 TROPICAL REGIONS

### SUBURBAN AREAS

RT CITIES  
 LAND USE  
 MEGALOPOLISES  
 REGIONAL PLANNING  
 RESIDENTIAL AREAS  
 RURAL AREAS

### SUBZERO TEMPERATURE

GS TEMPERATURE  
 . **SUBZERO TEMPERATURE**  
 RT ABSOLUTE ZERO  
 ATMOSPHERIC TEMPERATURE  
 COLD ACCLIMATIZATION  
 COLD TOLERANCE  
 COLD WEATHER

### SUCCESS PROJECT

GS PROGRAMS  
 . PROJECTS  
 . . **SUCCESS PROJECT**  
 WEAPON SYSTEMS  
 . **SUCCESS PROJECT**

### SUCCINIMIDES

GS NITROGEN COMPOUNDS  
 . AMIDES  
 . . **SUCCINIMIDES**  
 . IMIDES  
 . . **SUCCINIMIDES**

### SUCROSE

GS ORGANIC COMPOUNDS  
 . CARBOHYDRATES  
 . . SUGARS  
 . . . **SUCROSE**

### SUCTION

RT EVACUATING (VACUUM)  
 PRESSURE EFFECTS  
 PRESSURE GRADIENTS  
 VACUUM  
 VACUUM APPARATUS  
 VACUUM PUMPS

### SUD AVIATION AIRCRAFT

GS **SUD AVIATION AIRCRAFT**  
 . ALOUETTE HELICOPTERS  
 . . SA-330 HELICOPTER  
 . . SE-3160 HELICOPTER  
 . CONCORDE AIRCRAFT  
 . SA-321 HELICOPTER  
 . SE-210 AIRCRAFT  
 . VJ-101 AIRCRAFT  
 RT ∞ AIRCRAFT

### SUD AVIATION SA-321 HELICOPTER

USE SA-321 HELICOPTER

### SUD AVIATION SA-330 HELICOPTER

USE SA-330 HELICOPTER

### SUD AVIATION SE-210 AIRCRAFT

USE SE-210 AIRCRAFT

### SUD AVIATION SE-3160 HELICOPTER

USE SE-3160 HELICOPTER

### SUD VJ-101 AIRCRAFT

USE VJ-101 AIRCRAFT

### SUDAN

GS NATIONS  
 . **SUDAN**  
 RT AFRICA

### SUDDEN ENHANCEMENT OF ATMOSPHERICS

GS ELECTROMAGNETIC INTERFERENCE  
 . RADIO FREQUENCY INTERFERENCE  
 . . ELECTROMAGNETIC NOISE  
 . . . ATMOSPHERICS  
 . . . **SUDDEN ENHANCEMENT OF ATMOSPHERICS**

## SUDDEN IONOSPHERIC DISTURBANCES

### SUDDEN IONOSPHERIC DISTURBANCES

- UF GEOMAGNETIC CROTCHETS
- SID (IONOSPHERIC DISTURBANCES)
- GS IONOSPHERIC DISTURBANCES
  - . IONOSPHERIC STORMS
  - . SUDDEN IONOSPHERIC DISTURBANCES
- STORMS
  - . IONOSPHERIC STORMS
  - . SUDDEN IONOSPHERIC DISTURBANCES
- RT ∞ DISTURBANCES
  - MAGNETIC DISTURBANCES
  - MAGNETIC STORMS
  - SOLAR ACTIVITY EFFECTS
  - TRAVELING IONOSPHERIC DISTURBANCES

### SUDDEN STORM COMMENCEMENTS

- RT MAGNETIC DISTURBANCES
- MAGNETIC STORMS
- SOLAR ACTIVITY EFFECTS
- SOLAR CORPUSCULAR RADIATION
- SOLAR FLARES
- STORMS

### SUGAR BEETS

- GS FARM CROPS
  - . SUGAR BEETS
- PLANTS (BOTANY)
  - . SUGAR BEETS
- RT AGRICULTURE
  - BOTANY
  - CROP GROWTH
  - CROP VIGOR
  - EARTH RESOURCES
  - FARMLANDS
  - IRRIGATION
  - SEEDS
  - SUGARS

### SUGAR CANE

- GS FARM CROPS
  - . SUGAR CANE
- PLANTS (BOTANY)
  - . SUGAR CANE
- RT AGRICULTURE
  - BOTANY
  - CROP GROWTH
  - CROP VIGOR
  - EARTH RESOURCES
  - FARMLANDS
  - ∞ FOOD
  - IRRIGATION
  - SEEDS

### SUGARS

- GS ORGANIC COMPOUNDS
  - . CARBOHYDRATES
  - . SUGARS
  - . . . DEXTRANS
  - . . . INOSITOLS
  - . . . LACTOSE
  - . . . MANNITOL
  - . . . MONOSACCHARIDES
  - . . . . . HEXOSES
  - . . . . . GALACTOSE
  - . . . . . GLUCOSE
  - . . . . . PENTOSE
  - . . . . . RIBOSE
  - . . . . . XYLOSE
  - . . . . . SUCROSE
- RT ∞ FOOD
  - SUGAR BEETS

### SUGGESTION

- GS RECOMMENDATIONS
  - . SUGGESTION
- RT HYPNOSIS

### SUHL EFFECT

- RT CARRIER INJECTION
- ∞ EFFECTS
  - ELECTRONS
  - EXCITONS
  - HOLES (ELECTRON DEFICIENCIES)
  - MAGNETIC FIELDS
  - N-TYPE SEMICONDUCTORS
  - RECOMBINATION REACTIONS

### SUITABILITY

- RT ACCEPTABILITY
- COMPATIBILITY

### SUITS

- GS CLOTHING
  - . SUITS
  - . . PRESSURE SUITS
  - . . . SPACE SUITS
- RT GARMENTS

### SULFATES

- GS SULFUR COMPOUNDS
  - . SULFATES
  - . . ALUM
  - . . AMMONIUM SULFATES
  - . . . BARITE
  - . . . HYDROXYLAMINE SULFATE
  - . . . LITHIUM SULFATES
  - . . . MAGNESIUM SULFATES
  - . . . HEXAHEDRITE
  - . . . SODIUM SULFATES
- RT GYPSUM
- SULFURIC ACID

### SULFATION

- GS CHEMICAL REACTIONS
  - . SULFATION
- RT HYDROMETALLURGY
- SULFIDATION

### SULFIDATION

- GS CHEMICAL REACTIONS
  - . SULFIDATION
- RT CORROSION RESISTANCE
- GAS-METAL INTERACTIONS
- HEAT RESISTANT ALLOYS
- NICKEL ALLOYS
- SULFATION
- SULFIDES

### SULFIDES

- GS CHALCOGENIDES
  - . SULFIDES
  - . . DISULFIDES
  - . . . CARBON DISULFIDE
  - . . . INORGANIC SULFIDES
  - . . . BARIUM SULFIDES
  - . . . BISMUTH SULFIDES
  - . . . CADMIUM SULFIDES
  - . . . CALCIUM SULFIDES
  - . . . COPPER SULFIDES
  - . . . ENARGITE
  - . . . HYDROGEN SULFIDE
  - . . . INDIUM SULFIDES
  - . . . LEAD SULFIDES
  - . . . MOLYBDENUM SULFIDES
  - . . . . MOLYBDENUM DISULFIDES
  - . . . . POLYSULFIDES
  - . . . . STRONTIUM SULFIDES
  - . . . . ZINC SULFIDES
  - . . . . WURTZITE
  - . . . . ZINCLENDE
  - . . . . PYRITES
  - . . . . PYRRHOTITE
  - . . . . TROILITE
- SULFUR COMPOUNDS
  - . SULFIDES
  - . . DISULFIDES
  - . . . CARBON DISULFIDE
  - . . . INORGANIC SULFIDES
  - . . . BARIUM SULFIDES
  - . . . BISMUTH SULFIDES
  - . . . CADMIUM SULFIDES
  - . . . CALCIUM SULFIDES
  - . . . COPPER SULFIDES
  - . . . ENARGITE
  - . . . HYDROGEN SULFIDE
  - . . . INDIUM SULFIDES
  - . . . LEAD SULFIDES
  - . . . MOLYBDENUM SULFIDES
  - . . . . MOLYBDENUM DISULFIDES
  - . . . . POLYSULFIDES
  - . . . . STRONTIUM SULFIDES
  - . . . . ZINC SULFIDES
  - . . . . WURTZITE
  - . . . . ZINCLENDE
  - . . . . PYRITES
  - . . . . PYRRHOTITE
  - . . . . TROILITE
- RT SULFIDATION
- THIOPLASTICS

### SULFITES

- GS SULFUR COMPOUNDS
  - . SULFITES
  - . . HYDROSULFITES
  - . . . SODIUM SULFITES

### SULFONATES

- GS ESTERS
  - . SULFONATES
- SULFUR COMPOUNDS
  - . SULFONATES
- RT ∞ SALTS

### SULFONES

- GS SULFUR COMPOUNDS
  - . SULFONES
- RT SULFONIC ACID

### SULFONIC ACID

- GS ACIDS
  - . SULFONIC ACID
- RT SULFONES
- SULFUR COMPOUNDS

### SULFUR

- GS CHEMICAL ELEMENTS
  - . SULFUR
  - . . SULFUR ISOTOPES

### SULFUR CHLORIDES

- GS HALOGEN COMPOUNDS
  - . CHLORINE COMPOUNDS
  - . . CHLORIDES
  - . . . SULFUR CHLORIDES
  - . . . HALIDES
  - . . . CHLORIDES
  - . . . . SULFUR CHLORIDES
- SULFUR COMPOUNDS
  - . SULFUR CHLORIDES

### SULFUR COMPOUNDS

- GS SULFUR COMPOUNDS
  - . ORGANIC SULFUR COMPOUNDS
  - . SULFATES
  - . . ALUM
  - . . AMMONIUM SULFATES
  - . . . BARITE
  - . . . HYDROXYLAMINE SULFATE
  - . . . LITHIUM SULFATES
  - . . . MAGNESIUM SULFATES
  - . . . HEXAHEDRITE
  - . . . SODIUM SULFATES
  - . . . SULFIDES
  - . . . DISULFIDES
  - . . . . CARBON DISULFIDE
  - . . . . INORGANIC SULFIDES
  - . . . . BARIUM SULFIDES
  - . . . . BISMUTH SULFIDES
  - . . . . CADMIUM SULFIDES
  - . . . . CALCIUM SULFIDES
  - . . . . COPPER SULFIDES
  - . . . . ENARGITE
  - . . . . HYDROGEN SULFIDE
  - . . . . INDIUM SULFIDES
  - . . . . LEAD SULFIDES
  - . . . . MOLYBDENUM SULFIDES
  - . . . . . MOLYBDENUM DISULFIDES
  - . . . . . POLYSULFIDES
  - . . . . . STRONTIUM SULFIDES
  - . . . . . ZINC SULFIDES
  - . . . . . WURTZITE
  - . . . . . ZINCLENDE
  - . . . . . PYRITES
  - . . . . . PYRRHOTITE
  - . . . . . TROILITE
  - . . . . . SULFITES
  - . . . . . HYDROSULFITES
  - . . . . . SODIUM SULFITES
  - . . . . . SULFONATES
  - . . . . . SULFONES
  - . . . . . SULFUR CHLORIDES
  - . . . . . SULFUR FLUORIDES
  - . . . . . SULFUR OXIDES
  - . . . . . SULFUR DIOXIDES
  - . . . . . SULFURIC ACID
  - . . . . . THIAZINE (TRADEMARK)
  - . . . . . THIOLS
  - . . . . . CYSTEINE
  - . . . . . DIMERCAPROL
- RT BLOEDITE
- ∞ CHEMICAL COMPOUNDS
- ∞ GROUP 6A COMPOUNDS
- SULFONIC ACID

### SULFUR DIOXIDES

- GS CHALCOGENIDES
  - . OXIDES
  - . . DIOXIDES
  - . . . SULFUR DIOXIDES
  - . . . . SULFUR OXIDES
  - . . . . . SULFUR DIOXIDES

**SULFUR DIOXIDES-(CONT.)**

SULFUR COMPOUNDS  
SULFUR OXIDES  
SULFUR DIOXIDES

**SULFUR FLUORIDES**

GS HALOGEN COMPOUNDS  
FLUORINE COMPOUNDS  
FLUORIDES  
SULFUR FLUORIDES  
HALIDES  
FLUORIDES  
SULFUR FLUORIDES  
SULFUR COMPOUNDS  
SULFUR FLUORIDES

**SULFUR ISOTOPES**

GS CHEMICAL ELEMENTS  
SULFUR  
SULFUR ISOTOPES

**SULFUR OXIDES**

GS CHALCOGENIDES  
OXIDES  
SULFUR OXIDES  
SULFUR DIOXIDES  
SULFUR COMPOUNDS  
SULFUR OXIDES  
SULFUR DIOXIDES  
RT ACID RAIN  
DIOXIDES

**SULFURIC ACID**

GS ACIDS  
SULFURIC ACID  
SULFUR COMPOUNDS  
SULFURIC ACID  
RT SULFATES

**SUM RULES**

GS RULES  
SUM RULES  
RT SUMS

**SUMMARIES**

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**SUN SENSORS**

USE SOLAR SENSORS

**SUNBLAZER SPACE PROBE**

GS UNMANNED SPACECRAFT  
SPACE PROBES  
SOLAR PROBES

**SUNBLAZER SPACE PROBE-(CONT.)**

RT SUNBLAZER SPACE PROBE  
MULTISTAGE ROCKET VEHICLES  
SOLID PROPELLANT ROCKET ENGINES

**SUNFLOWER POWER SYSTEM**

GS AUXILIARY POWER SOURCES  
SOLAR AUXILIARY POWER UNITS  
SUNFLOWER POWER SYSTEM  
ELECTRIC GENERATORS  
SOLAR GENERATORS  
SOLAR AUXILIARY POWER UNITS  
SUNFLOWER POWER SYSTEM  
RT SOLAR COLLECTORS  
SYSTEMS  
TURBOGENERATORS

**SUNFLOWERS**

GS FARM CROPS  
SUNFLOWERS  
PLANTS (BOTANY)  
SUNFLOWERS  
RT AGRICULTURE  
CROP IDENTIFICATION  
CROPS  
EARTH RESOURCES

**SUNGLASSES**

RT EYE PROTECTION  
EYEPIECES  
GOGGLES  
OPTICAL FILTERS  
VISORS

**SUNLIGHT**

GS ELECTROMAGNETIC RADIATION  
LIGHT (VISIBLE RADIATION)  
SUNLIGHT  
EXTRATERRESTRIAL RADIATION  
SOLAR RADIATION  
SUNLIGHT  
RT BLACK BODY RADIATION  
CIRCUMSOLAR RADIATION  
CLIMATOLOGY  
CLOUD COVER  
INFRARED RADIATION  
INSOLATION  
SKY  
SKY BRIGHTNESS  
SKY RADIATION  
SOLAR HEATING  
SUN  
THERMAL RADIATION  
ULTRAVIOLET RADIATION  
UMKEHR EFFECT  
ZODIACAL LIGHT

**SUNRISE**

RT MORNING  
SCIENCE  
SUNSET  
TERMINATOR LINES

**SUNSET**

RT EVENING  
SCIENCE  
SUNRISE  
TERMINATOR LINES

**SUNSPOT CYCLE**

GS CYCLES  
SOLAR CYCLES  
SUNSPOT CYCLE  
RT SOLAR ACTIVITY  
STARSPOTS  
STELLAR ACTIVITY

**SUNSPOTS**

GS STELLAR ACTIVITY  
SOLAR ACTIVITY  
SUNSPOTS  
RT FACULAE  
MAGNETIC DISTURBANCES  
PHOTOSPHERE  
SOLAR CYCLES  
SOLAR FLARES  
SOLAR TERRESTRIAL INTERACTIONS  
TWENTY-SEVEN DAY VARIATION

**SUPER FORTRESS AIRCRAFT**

USE RB-50 AIRCRAFT

**SUPER SABRE AIRCRAFT**

USE F-100 AIRCRAFT

## SUPERALLOYS

### SUPERALLOYS

USE HEAT RESISTANT ALLOYS

### SUPERCAVITATING FLOW

UF SUPERCAVITATION  
GS FLUID FLOW  
  TURBULENT FLOW  
  **SUPERCAVITATING FLOW**  
RT CAVITATION FLOW  
  HYDROFOIL OSCILLATIONS

### SUPERCAVITATION

USE SUPERCAVITATING FLOW

### SUPERCHARGERS

UF SUPERCHARGING  
  TURBOCHARGERS  
GS COMPRESSORS  
  **SUPERCHARGERS**  
RT AIR INTAKES  
  BLOWERS  
  CENTRIFUGAL COMPRESSORS  
  COMPRESSING  
  INTERNAL COMBUSTION ENGINES  
  TURBOCOMPRESSORS  
  TURBOMACHINERY

### SUPERCHARGING

USE SUPERCHARGERS

### SUPERCOMPUTERS

GS DATA PROCESSING EQUIPMENT  
  COMPUTERS  
  **SUPERCOMPUTERS**  
  ... CRAY COMPUTERS  
RT ARCHITECTURE (COMPUTERS)  
  HYPERCUBE MULTIPROCESSORS  
  MULTIPROCESSING (COMPUTERS)  
  PARALLEL PROCESSING (COMPUTERS)

### SUPERCONDUCTING MAGNETS

GS MAGNETS  
  ELECTROMAGNETS  
  **SUPERCONDUCTING MAGNETS**  
RT CRYOGENIC MAGNETS  
  FLUX PUMPS  
  HIGH FIELD MAGNETS  
  HIGH TEMPERATURE  
  SUPERCONDUCTORS  
  MAGNET COILS  
  MAGNETIC ENERGY STORAGE  
  SUPERCONDUCTING SUPER COLLIDER

### SUPERCONDUCTING POWER TRANSMISSION

RT  $\infty$  CONDUCTIVITY  
  CRYOGENICS  
  ELECTRIC POWER TRANSMISSION  
  HIGH TEMPERATURE  
  SUPERCONDUCTORS  
  LOW TEMPERATURE PHYSICS  
  POWER LINES  
  TRANSITION TEMPERATURE  
  TRANSMISSION LINES

### SUPERCONDUCTING QUANTUM INTERFEROMETERS

USE SQUID (DETECTORS)

### SUPERCONDUCTING SUPER COLLIDER

GS PARTICLE ACCELERATORS  
  **SUPERCONDUCTING SUPER COLLIDER**  
RT STORAGE RINGS (PARTICLE  
  ACCELERATORS)  
  SUPERCONDUCTING MAGNETS

### SUPERCONDUCTIVITY

UF MEISSNER EFFECT  
GS ELECTRICAL PROPERTIES  
  ELECTRICAL RESISTIVITY  
  **SUPERCONDUCTIVITY**  
  ... KONDO EFFECT  
  TRANSPORT PROPERTIES  
  ELECTRICAL RESISTIVITY  
  **SUPERCONDUCTIVITY**  
  ... KONDO EFFECT  
RT ABRIKOSOV THEORY  
  BCS THEORY  
  BLOCH BAND  
   $\infty$  CONDUCTIVITY  
  CRYOGENICS  
  CRYOTRONS  
  ELECTRON PHONON INTERACTIONS  
  ELECTRON TUNNELING  
  FLUX PINNING

### SUPERCONDUCTIVITY-(CONT.)

FLUX PUMPS  
GALLIUM ALLOYS  
HIGH TEMPERATURE  
  SUPERCONDUCTORS  
JOSEPHSON JUNCTIONS  
LANDAU FACTOR  
LANDAU-GINZBURG EQUATIONS  
LOW TEMPERATURE PHYSICS  
 $\infty$  SOLID STATE PHYSICS  
SPIN GLASS  
TRANSITION TEMPERATURE  
TRAPPED MAGNETIC FIELDS  
VECTOR CURRENTS  
VORTICES

### SUPERCONDUCTORS

GS CONDUCTORS  
  **SUPERCONDUCTORS**  
  ... HIGH TEMPERATURE  
  SUPERCONDUCTORS  
RT ABRIKOSOV THEORY  
  CARRIER MOBILITY  
  CRYOGENIC COMPUTER STORAGE  
  CRYOTRONS  
  ELECTRON GAS  
  ENERGY STORAGE  
  FLUX QUANTIZATION  
  PINNING  
  PROXIMITY EFFECT (ELECTRICITY)  
  SOLID STATE DEVICES  
  SQUID (DETECTORS)  
  THERMODYNAMIC COUPLING

### SUPERCOOLING

GS COOLING  
  **SUPERCOOLING**  
  ... CRYOGENIC COOLING  
RT AGING (METALLURGY)  
  AITKEN NUCLEI  
  CONDENSING  
  CONVECTION CLOUDS  
  CRYSTALLIZATION  
  HEAT TREATMENT  
  MECHANICAL PROPERTIES  
  NUCLEATION  
  QUENCHING (COOLING)  
  SUPERSATURATION

### SUPERCritical AIRFOILS

GS AIRFOILS  
  **SUPERCritical AIRFOILS**  
  ... SUPERCritical WINGS  
RT AIRFOIL PROFILES

### SUPERCritical FLOW

GS FLUID FLOW  
  **SUPERCritical FLOW**  
RT CRITICAL FLOW  
  FLOW CHARACTERISTICS  
  GAS FLOW  
  LIQUID FLOW  
  MULTIPHASE FLOW  
  ORIFICE FLOW  
  PIPE FLOW  
  PRESSURE GRADIENTS  
  SINGLE-PHASE FLOW  
  STEADY FLOW  
  STEAM FLOW  
  SUBCRITICAL FLOW  
  TURBULENT FLOW  
  UNSTEADY FLOW

### SUPERCritical FLUIDS

RT FLUID MECHANICS  
 $\infty$  FLUIDS  
  SOLUBILITY  
  SUPERCritical PRESSURES

### SUPERCritical PRESSURES

GS PRESSURE  
  **SUPERCritical PRESSURES**  
  THERMODYNAMIC PROPERTIES  
  THERMOPHYSICAL PROPERTIES  
  ... **SUPERCritical PRESSURES**  
RT CRITICAL PRESSURE  
  HIGH PRESSURE  
  LIQUID PHASES  
  SUPERCritical FLUIDS  
  VAPOR PHASES  
  VAPOR PRESSURE

### SUPERCritical WINGS

GS AIRFOILS  
  **SUPERCritical AIRFOILS**

### SUPERCritical WINGS-(CONT.)

... **SUPERCritical WINGS**  
  WINGS  
  ... **SUPERCritical WINGS**  
RT CL-600 CHALLENGER AIRCRAFT  
  SPANLOADER AIRCRAFT  
  WING PROFILES  
 $\infty$  WINGED VEHICLES

### SUPERFLUID FLOW

USE SUPERFLUIDITY

### SUPERFLUIDITY

UF SUPERFLUID FLOW  
RT COMPRESSIBLE FLUIDS  
 $\infty$  FLUIDS  
  INCOMPRESSIBLE FLUIDS  
  KELVIN-HELMHOLTZ INSTABILITY  
  LIQUID HELIUM  
  LIQUID HELIUM 2  
  MANY BODY PROBLEM  
  QUANTUM STATISTICS  
  TWO FLUID MODELS  
  VISCOSITY  
  VORTICES

### SUPERGIANT STARS

GS CELESTIAL BODIES  
  STARS  
  ... **SUPERGIANT STARS**  
  ... R CORONAE BOREALIS STARS  
RT GIANT STARS  
  K STARS  
  M STARS  
  MIRA VARIABLES  
  SUBGIANT STARS

### SUPERGRAVITY

GS GRAVITATION THEORY  
  **SUPERGRAVITY**  
RT BROKEN SYMMETRY  
  COSMOLOGY  
  FIELD THEORY (PHYSICS)  
  GAUGE INVARIANCE  
  GAUGE THEORY  
  GRAVITONS  
  GRAVITONS  
  GROUP THEORY  
  LIE GROUPS  
  PARTICLE THEORY  
  QUANTUM THEORY  
  RELATIVITY  
  SUPERSYMMETRY  
  THEORETICAL PHYSICS  
  UNIFIED FIELD THEORY  
  YANG-MILLS THEORY

### SUPERHARMONICS

GS HARMONICS  
  **SUPERHARMONICS**  
RT CYCLES  
  FREQUENCIES  
  MACH NUMBER  
  SUPERSONIC WIND TUNNELS  
  SUPERSONICS

### SUPERHEATING

GS HEATING  
  **SUPERHEATING**  
RT STEAM

### SUPERHETERODYNE RECEIVERS

GS COMMUNICATION EQUIPMENT  
  RADIO RECEIVERS  
  ... **SUPERHETERODYNE RECEIVERS**  
  RADIO EQUIPMENT  
  RADIO RECEIVERS  
  ... **SUPERHETERODYNE RECEIVERS**  
  RECEIVERS  
  RADIO RECEIVERS  
  ... **SUPERHETERODYNE RECEIVERS**  
RT BEAT FREQUENCIES  
  HETERODYNING

### SUPERHIGH FREQUENCIES

SN (3 TO 30 GHZ)  
UF KU BAND  
  S BAND  
  X BAND  
GS FREQUENCIES  
  RADIO FREQUENCIES  
  ... MICROWAVE FREQUENCIES  
  ... **SUPERHIGH FREQUENCIES**  
RT C BAND  
  CENTIMETER WAVES

**SUPERHIGH FREQUENCIES-(CONT.)**

UNIFIED S BAND

**SUPERHYBRID MATERIALS**

GS COMPOSITE MATERIALS  
     . **SUPERHYBRID MATERIALS**  
     . . GRAPHITE-EPOXY COMPOSITES  
 RT BORON-EPOXY COMPOSITES  
     CARBON FIBER REINFORCED PLASTICS  
     FIBER COMPOSITES  
     ∞ MATERIALS  
     REINFORCING FIBERS

**SUPERIMPOSITION (MATHEMATICS)**

USE SUPERPOSITION (MATHEMATICS)

**SUPERLATTICES**

GS CRYSTAL LATTICES  
     . **SUPERLATTICES**  
     SEMICONDUCTORS (MATERIALS)  
     . **SUPERLATTICES**  
 RT CRYSTAL DISLOCATIONS  
     CRYSTAL STRUCTURE  
     GALLIUM ARSENIDES  
     LATTICE PARAMETERS

**SUPERMAGNETS**

USE HIGH FIELD MAGNETS

**SUPERMASSIVE STARS**

GS CELESTIAL BODIES  
     . STARS  
     . . **SUPERMASSIVE STARS**  
 RT DEGENERATE MATTER  
     STELLAR MODELS  
     STELLAR STRUCTURE

**SUPERNOVA REMNANTS**

RT BLACK HOLES (ASTRONOMY)  
     NEUTRON STARS  
     NORTH POLAR SPUR (ASTRONOMY)  
     PULSARS  
     RED DWARF STARS  
     SUPERNOVAE  
     WHITE DWARF STARS  
     WHITE HOLES (ASTRONOMY)

**SUPERNOVA 1987A**

GS CELESTIAL BODIES  
     . STARS  
     . . VARIABLE STARS  
     . . . SUPERNOVAE  
     . . . . **SUPERNOVA 1987A**  
 RT MAGELLANIC CLOUDS

**SUPERNOVAE**

GS CELESTIAL BODIES  
     . STARS  
     . . VARIABLE STARS  
     . . . **SUPERNOVAE**  
     . . . . SUPERNOVA 1987A  
 RT CRAB NEBULA  
     GRAVITATIONAL COLLAPSE  
     NEBULAE  
     NOVAE  
     OPIK THEORY  
     ORION NEBULA  
     STELLAR MASS  
     STELLAR MASS EJECTION  
     STELLAR PHYSICS  
     SUPERNOVA REMNANTS

**SUPEROXIDES**

USE INORGANIC PEROXIDES

**SUPERPLASTICITY**

GS MECHANICAL PROPERTIES  
     . PLASTIC PROPERTIES  
     . . **SUPERPLASTICITY**  
 RT CREEP PROPERTIES  
     CRYSTAL DISLOCATIONS  
     ELONGATION  
     EUTECTIC ALLOYS  
     HEAT RESISTANT ALLOYS  
     PLASTIC DEFORMATION  
     PLASTIC FLOW

**SUPERPOSITION (MATHEMATICS)**

UF SUPERIMPOSITION (MATHEMATICS)  
 RT EQUIVALENT CIRCUITS  
     LINEAR CIRCUITS  
     ∞ MATHEMATICS  
     NETWORK ANALYSIS  
     NETWORK SYNTHESIS

**SUPERPRESSURE BALLOONS**

UF CONSTANT VOLUME BALLOONS  
     TETROONS  
 GS EXPANDABLE STRUCTURES  
     . INFLATABLE STRUCTURES  
     . . BALLOONS  
     . . . HIGH ALTITUDE BALLOONS  
     . . . . **SUPERPRESSURE BALLOONS**  
 RT BALLOON SOUNDING  
     METEOROLOGICAL BALLOONS

**SUPERROTATION**

RT ATMOSPHERIC CIRCULATION  
     EARTH ATMOSPHERE  
     EARTH ROTATION  
     ROTATING FLUIDS

**SUPERSATURATION**

RT CONDENSING  
     CRYSTALLIZATION  
     HEAT TREATMENT  
     MAYER PROBLEM  
     PRECIPITATION (CHEMISTRY)  
     PRECIPITATION HARDENING  
     QUENCHING (COOLING)  
     SOLID SOLUTIONS  
     SUPERCOOLING

**SUPERSONIC AIRCRAFT**

SN (AIRCRAFT DESIGNED TO FLY AT  
     SPEEDS ABOVE MACH 1 AND BELOW  
     MACH 5)  
 UF TRANSONIC AIRCRAFT  
 GS **SUPERSONIC AIRCRAFT**  
     . A-5 AIRCRAFT  
     . B-58 AIRCRAFT  
     . B-70 AIRCRAFT  
     . BOEING 733 AIRCRAFT  
     . D-558 AIRCRAFT  
     . F-5 AIRCRAFT  
     . F-8 AIRCRAFT  
     . F-14 AIRCRAFT  
     . F-15 AIRCRAFT  
     . F-16 AIRCRAFT  
     . F-17 AIRCRAFT  
     . F-100 AIRCRAFT  
     . F-101 AIRCRAFT  
     . F-102 AIRCRAFT  
     . F-104 AIRCRAFT  
     . F-106 AIRCRAFT  
     . F-111 AIRCRAFT  
     . FIREBEE 2 TARGET DRONE AIRCRAFT  
     . G-95/4 AIRCRAFT  
     . JAGUAR AIRCRAFT  
     . MIG AIRCRAFT  
     . MIRAGE AIRCRAFT  
     . . MIRAGE 3 AIRCRAFT  
     . NORD 1500 AIRCRAFT  
     . P-1154 AIRCRAFT  
     . PHANTOM AIRCRAFT  
     . . F-4 AIRCRAFT  
     . RF-4 AIRCRAFT  
     . SAAB 37 AIRCRAFT  
     . SUPERSONIC TRANSPORTS  
     . . CL-823 AIRCRAFT  
     . . CONCORDE AIRCRAFT  
     . . L-2000 AIRCRAFT  
     . . SUPERSONIC COMMERCIAL AIR  
         TRANSPORT  
     . . . BOEING 2707 AIRCRAFT  
     . T-38 AIRCRAFT  
     . TSR-2 AIRCRAFT  
     . VJ-101 AIRCRAFT  
     . X-1 AIRCRAFT  
     . X-2 AIRCRAFT  
     . X-3 AIRCRAFT  
     . X-15 AIRCRAFT

RT ∞ AIRCRAFT  
     ATTACK AIRCRAFT  
     FIGHTER AIRCRAFT  
     HYPERSONIC AIRCRAFT  
     JET AIRCRAFT  
     PASSENGER AIRCRAFT  
     RECONNAISSANCE AIRCRAFT  
     RESEARCH AIRCRAFT  
     ∞ SUBSONIC AIRCRAFT  
     SUPERSONIC CRUISE AIRCRAFT  
         RESEARCH  
         SUPERSONICS  
         SWEEPBACK WINGS  
         TRANSPORT AIRCRAFT  
         TRAPEZOIDAL TAIL SURFACES  
         VARIABLE CYCLE ENGINES  
         VARIABLE STREAM CONTROL ENGINES

**SUPERSONIC AIRFOILS**

GS AIRFOILS  
     . **SUPERSONIC AIRFOILS**  
 RT SWEEPBACK  
     SWEEPBACK TAIL SURFACES  
     SWEEPBACK WINGS

**SUPERSONIC BOUNDARY LAYERS**

GS BOUNDARY LAYERS  
     . **SUPERSONIC BOUNDARY LAYERS**  
 RT FLUID FLOW  
     LAMINAR BOUNDARY LAYER  
     SUPERSONICS  
     TURBULENT BOUNDARY LAYER  
     TWO DIMENSIONAL BOUNDARY LAYER

**SUPERSONIC COMBUSTION**

GS COMBUSTION  
     . **SUPERSONIC COMBUSTION**  
 RT ENGINES  
     FUEL COMBUSTION

**SUPERSONIC COMBUSTION RAMJET ENGINES**

UF SCRAMJET ENGINES  
     SCRAMJETS  
 GS ENGINES  
     . AIR BREATHING ENGINES  
     . . GAS TURBINE ENGINES  
     . . . JET ENGINES  
     . . . . RAMJET ENGINES  
     . . . . . **SUPERSONIC COMBUSTION**  
         **RAMJET ENGINES**  
     . . INTERNAL COMBUSTION ENGINES  
     . . . GAS TURBINE ENGINES  
     . . . JET ENGINES  
     . . . . RAMJET ENGINES  
     . . . . . **SUPERSONIC COMBUSTION**  
         **RAMJET ENGINES**  
     . . TURBINE ENGINES  
     . . . GAS TURBINE ENGINES  
     . . . JET ENGINES  
     . . . . RAMJET ENGINES  
     . . . . . **SUPERSONIC COMBUSTION**  
         **RAMJET ENGINES**  
 RT COMBUSTION  
     MISSILES  
     RAMJET MISSILES  
     ∞ SCRAM

**SUPERSONIC COMMERCIAL AIR TRANSPORT**

UF SCAT  
 GS COMMERCIAL AIRCRAFT  
     . **SUPERSONIC COMMERCIAL AIR**  
         TRANSPORT  
     . . BOEING 2707 AIRCRAFT  
     . . . TU-144 AIRCRAFT  
     SUPERSONIC AIRCRAFT  
     SUPERSONIC TRANSPORTS  
     . . **SUPERSONIC COMMERCIAL AIR**  
         TRANSPORT  
     . . . BOEING 2707 AIRCRAFT

**SUPERSONIC COMPRESSORS**

GS COMPRESSORS  
     . **SUPERSONIC COMPRESSORS**  
 RT OBLIQUE SHOCK WAVES  
     TRANSONIC COMPRESSORS  
     TURBOCOMPRESSORS

**SUPERSONIC CRUISE AIRCRAFT RESEARCH**

UF SCAR PROGRAM  
 GS PROGRAMS  
     . NASA PROGRAMS  
     . . **SUPERSONIC CRUISE AIRCRAFT**  
         RESEARCH  
 RT ∞ AIRCRAFT  
     SUPERSONIC AIRCRAFT  
     SUPERSONIC TRANSPORTS

**SUPERSONIC DIFFUSERS**

RT AIR INTAKES  
     ∞ DIFFUSERS  
     EXHAUST DIFFUSERS  
     FLOW STABILITY  
     VANELESS DIFFUSERS

**SUPERSONIC DRAG**

GS AERODYNAMIC CHARACTERISTICS  
     . AERODYNAMIC DRAG  
     . . **SUPERSONIC DRAG**  
     AERODYNAMIC FORCES  
     . AERODYNAMIC DRAG  
     . . **SUPERSONIC DRAG**  
     DYNAMIC CHARACTERISTICS  
     . DRAG



## SUPERSONIC FLIGHT

### SUPERSONIC DRAG-(CONT.)

- . . . FRICTION DRAG
- . . . AERODYNAMIC DRAG
- . . . **SUPERSONIC DRAG**
- . . . PRESSURE DRAG
- . . . **SUPERSONIC DRAG**
- FRICTION
  - . . . FLOW RESISTANCE
  - . . . FRICTION DRAG
  - . . . AERODYNAMIC DRAG
  - . . . **SUPERSONIC DRAG**
  - . . . SKIN FRICTION
  - . . . FRICTION DRAG
  - . . . AERODYNAMIC DRAG
  - . . . **SUPERSONIC DRAG**
- RT INTERFERENCE DRAG
- WAVE DRAG

### SUPERSONIC FLIGHT

- RT CAUSTIC LINES
- $\infty$  FLIGHT
  - HYPERSONIC FLIGHT
  - JET LAG
  - MACH CONES
  - MISSILES
  - ROCKET FLIGHT
  - SONIC BOOMS
  - SUPERSONICS
  - TRANSONIC FLIGHT

### SUPERSONIC FLOW

- GS FLUID FLOW
- . **SUPERSONIC FLOW**
- RT AERODYNAMICS
- COMPRESSIBILITY EFFECTS
- COMPRESSIBLE FLOW
- FLOW VELOCITY
- GAS FLOW
- HYPERSONIC FLOW
- HYPERVELOCITY FLOW
- MACH CONES
- PRANDTL-MEYER EXPANSION
- SECONDARY INJECTION
- SHOCK WAVES
- TRANSONIC FLOW
- WEDGE FLOW
- WIND TUNNELS

### SUPERSONIC FLOW INLETS

- USE SUPERSONIC INLETS

### SUPERSONIC FLUTTER

- GS VIBRATION
- . . . STRUCTURAL VIBRATION
- . . . FLUTTER
- . . . **SUPERSONIC FLUTTER**
- . . . SELF INDUCED VIBRATION
- . . . **SUPERSONIC FLUTTER**
- RT MISSILE VIBRATION
- TRANSONIC FLUTTER

### SUPERSONIC HEAT TRANSFER

- GS TRANSMISSION
- . . . HEAT TRANSMISSION
- . . . HEAT TRANSFER
- . . . AERODYNAMIC HEAT TRANSFER
- . . . **SUPERSONIC HEAT TRANSFER**
- RT HYPERSONIC HEAT TRANSFER
- SUPERSONICS

### SUPERSONIC INLETS

- UF SUPERSONIC FLOW INLETS
- TRANSONIC INLETS
- GS INTAKE SYSTEMS
- . . . AIR INTAKES
- . . . **SUPERSONIC INLETS**
- RT BYPASS RATIO
- HYPERSONIC INLETS
- INLET AIRFRAME CONFIGURATIONS
- INLET FLOW
- INTERNAL COMPRESSION INLETS
- NOSE INLETS
- SIDE INLETS

### SUPERSONIC JET FLOW

- GS FLUID FLOW
- . . . JET FLOW
- . . . **SUPERSONIC JET FLOW**
- RT GAS FLOW
- NOZZLE FLOW

### SUPERSONIC LOW ALTITUDE MISSILE

- UF SLAM
- GS MISSILES
- . . . RAMJET MISSILES

### SUPERSONIC LOW ALTITUDE MISSILE-(CONT.)

- . . . **SUPERSONIC LOW ALTITUDE MISSILE**
- . . . SURFACE TO SURFACE MISSILES
- . . . **SUPERSONIC LOW ALTITUDE MISSILE**
- RT NUCLEAR RAMJET ENGINES
- PLUTO REACTORS
- RAMJET ENGINES

### SUPERSONIC NOZZLES

- RT COAXIAL NOZZLES
- CONICAL NOZZLES
- CONVERGENT-DIVERGENT NOZZLES
- HYPERSONIC NOZZLES
- $\infty$  NOZZLES
- ROCKET NOZZLES
- SONIC NOZZLES
- TRANSONIC NOZZLES
- VARIABLE STREAM CONTROL ENGINES
- WIND TUNNEL NOZZLES

### SUPERSONIC SPEED

- SN (BETWEEN MACH 1 AND 4.9)
- GS RATES (PER TIME)
- . **SUPERSONIC SPEED**
- VELOCITY
- . **SUPERSONIC SPEED**
- RT ACOUSTIC VELOCITY
- HIGH SPEED
- HYPERSONIC SPEED
- HYPERSONICS
- SUPERSONICS
- TRANSONIC SPEED

### SUPERSONIC TEST APPARATUS

- RT HYPERSONIC TEST APPARATUS
- SUPERSONICS
- $\infty$  TEST EQUIPMENT
- WIND TUNNEL APPARATUS

### SUPERSONIC TRANSPORTS

- GS SUPERSONIC AIRCRAFT
- . **SUPERSONIC TRANSPORTS**
- . . . CL-823 AIRCRAFT
- . . . CONCORDE AIRCRAFT
- . . . L-2000 AIRCRAFT
- . . . SUPERSONIC COMMERCIAL AIR TRANSPORT
- . . . BOEING 2707 AIRCRAFT
- RT CARGO AIRCRAFT
- COMMERCIAL AIRCRAFT
- PASSENGER AIRCRAFT
- SUPERSONIC CRUISE AIRCRAFT
- RESEARCH

### SUPERSONIC TURBINES

- UF TRANSONIC TURBINES
- GS TURBOMACHINERY
- . . . TURBINES
- . . . **SUPERSONIC TURBINES**
- RT GAS TURBINE ENGINES
- GAS TURBINES

### SUPERSONIC WAKES

- GS WAKES
- . **SUPERSONIC WAKES**
- RT AIRCRAFT WAKES
- HYPERSONIC WAKES

### SUPERSONIC WIND TUNNELS

- GS TEST FACILITIES
- . . . WIND TUNNELS
- . . . **SUPERSONIC WIND TUNNELS**
- RT BLOWDOWN WIND TUNNELS
- HYPERSONIC WIND TUNNELS
- HYPERVELOCITY WIND TUNNELS
- LOW DENSITY WIND TUNNELS
- SHOCK TUNNELS
- SLOTTED WIND TUNNELS
- SUBSONIC WIND TUNNELS
- SUPERHARMONICS
- TRANSONIC WIND TUNNELS

### SUPERSONICS

- GS FLUID MECHANICS
- . . . FLUID DYNAMICS
- . . . GAS DYNAMICS
- . . . AERODYNAMICS
- . . . **SUPERSONICS**
- RT AEROTHERMODYNAMICS
- HYPERSONICS
- MACH CONES
- SUPERHARMONICS
- SUPERSONIC AIRCRAFT

### SUPERSONICS-(CONT.)

- SUPERSONIC BOUNDARY LAYERS
- SUPERSONIC FLIGHT
- SUPERSONIC HEAT TRANSFER
- SUPERSONIC SPEED
- SUPERSONIC TEST APPARATUS

### SUPERSTRING THEORY

- USE STRING THEORY

### SUPERSYMMETRY

- GS SYMMETRY
- . **SUPERSYMMETRY**
- RT BOSONS
- BROKEN SYMMETRY
- COSMOLOGY
- FERMIONS
- FIELD THEORY (PHYSICS)
- GAUGE THEORY
- GRAND UNIFIED THEORY
- GRAVITATION THEORY
- GROUP THEORY
- LIE GROUPS
- PARTICLE THEORY
- QUANTUM THEORY
- STRING THEORY
- SUPERGRAVITY
- THEORETICAL PHYSICS
- UNIFIED FIELD THEORY

### SUPINE POSITION

- RT ACCELERATION PROTECTION
- PRONE POSITION
- REST
- SITTING POSITION

### SUPPLEMENTS

- GS DOCUMENTS
- . **SUPPLEMENTS**
- RT CONTRACTS
- EXTENSIONS
- INDEXES (DOCUMENTATION)
- MOTION PICTURES
- RECORDS
- REPORTS

### SUPPLYING

- RT COMMERCE
- CONSUMPTION
- DEMAND (ECONOMICS)
- FILLING
- INJECTION
- INPUT
- MARKETING
- OUTPUT

### SUPPORT INTERFERENCE

- RT ANTENNA RADIATION PATTERNS
- $\infty$  INTERFERENCE
- SUPPORTS
- VIBRATION EFFECTS

### SUPPORT SYSTEMS

- GS **SUPPORT SYSTEMS**
- . . . GROUND OPERATIONAL SUPPORT SYSTEM
- . . . GROUND SUPPORT SYSTEMS
- . . . LIFE SUPPORT SYSTEMS
- . . . BIOPAKS
- . . . CLOSED ECOLOGICAL SYSTEMS
- . . . EMERGENCY LIFE SUSTAINING SYSTEMS
- . . . AEPS
- . . . PORTABLE LIFE SUPPORT SYSTEMS
- . . . AEPS
- . . . IMLSS
- RT SELF SEALING
- SERVICES
- $\infty$  SYSTEMS

### SUPPORTS

- UF MOUNTS
- STANDS
- GS **SUPPORTS**
- . . . PYLONS
- . . . SADDLES (SUPPORTS)
- . . . TRIPODS
- RT BEARINGS
- CARRIAGES
- CHASSIS
- FOUNDATIONS
- FRAMES
- GIMBALS
- $\infty$  HEADERS
- LUGS

## SURFACE PROPERTIES

### SUPPORTS-(CONT.)

- PIVOTS
- ∞ PLATFORMS
- PYLON MOUNTING
- RACKS (FRAMES)
- REINFORCEMENT (STRUCTURES)
- SHAFTS (MACHINE ELEMENTS)
- STRUTS
- SUBSTRUCTURES
- SUPPORT INTERFERENCE
- ∞ SUSTAINING
- TRUSSES

### SUPPRESSION

- USE RETARDING

### SUPPRESSORS

- GS **SUPPRESSORS**
- ECHO SUPPRESSORS
- RT **ABSORBERS (MATERIALS)**
- ADDITIVES
- ATTENUATORS
- BAFFLES
- CIRCUIT PROTECTION
- DAMPING
- INFRARED SUPPRESSION
- INHIBITORS
- INSULATION
- ISOLATORS
- MUFFLERS
- NEUTRALIZERS
- NOISE REDUCTION
- RETARDANTS
- SHIELDING
- SILENCERS
- SQUELCH CIRCUITS

### SURFACE ACOUSTIC WAVE DEVICES

- UF S-A-W DEVICES
- RT ACOUSTIC DELAY LINES
- BULK ACOUSTIC WAVE DEVICES
- ∞ DEVICES
- ELECTROACOUSTIC TRANSDUCERS
- ELECTROACOUSTICS
- INTERDIGITAL TRANSDUCERS
- MICROSONICS
- SIGNAL PROCESSING
- SOUND WAVES
- ULTRASONIC WAVE TRANSDUCERS

### SURFACE COOLING

- GS COOLING
- SURFACE COOLING**
- RT CONVECTIVE HEAT TRANSFER
- EVAPORATIVE COOLING
- FILM COOLING
- RADIANT COOLING
- RADIATIVE HEAT TRANSFER
- ∞ SURFACES
- SWEAT COOLING
- TEMPERATURE

### SURFACE CRACKS

- UF CRAZING
- GS FRACTURES (MATERIALS)
- CRACKS
- SURFACE CRACKS**
- SURFACE PROPERTIES
- RT **SURFACE CRACKS**
- CRACK CLOSURE
- CRACK GEOMETRY
- CRACK INITIATION
- CRACK PROPAGATION
- MICROCRACKS
- SOLID SURFACES
- ∞ SURFACES

### SURFACE DEFECTS

- GS DEFECTS
- SURFACE DEFECTS**
- SURFACE PROPERTIES
- RT **SURFACE DEFECTS**
- CAUSTICS (OPTICS)
- CRACK INITIATION
- CRYSTAL DEFECTS
- CRYSTAL DISLOCATIONS
- FATIGUE (MATERIALS)
- MECHANICAL PROPERTIES
- POINT DEFECTS
- ∞ SURFACES

### SURFACE DIFFUSION

- GS DIFFUSION
- SURFACE DIFFUSION**
- RT MOLECULAR DIFFUSION

### SURFACE DIFFUSION-(CONT.)

- ∞ SURFACES
- THERMAL DIFFUSION

### SURFACE DISTORTION

- GS DISTORTION
- SURFACE DISTORTION**
- RT ∞ SURFACE GEOMETRY
- ∞ SURFACES
- WARPAGE

### SURFACE EFFECT SHIPS

- UF SES
- GS SURFACE VEHICLES
- SURFACE EFFECT SHIPS**
- WATER VEHICLES
- SHIPS
- SURFACE EFFECT SHIPS**
- RT CAPTURED AIR BUBBLE VEHICLES
- ∞ EFFECTS
- RESEARCH VEHICLES
- ∞ SURFACES
- SWATH (SHIP)
- ∞ VEHICLES

### SURFACE ENERGY

- GS SURFACE PROPERTIES
- SURFACE ENERGY**
- THERMODYNAMIC PROPERTIES
- SURFACE ENERGY**
- RT ACTIVATION ENERGY
- ELECTRON ENERGY
- ∞ ENERGY
- INTERFACIAL ENERGY
- INTERFACIAL TENSION
- PROTON ENERGY
- ∞ SURFACES
- THERMOPHYSICAL PROPERTIES

### SURFACE FINISHING

- UF SURFACE TREATMENT
- RT CLEANING
- COATING
- COATINGS
- CORROSION PREVENTION
- CORROSION RESISTANCE
- ELECTROPLATING
- ELECTROPOLISHING
- FINISHES
- MACHINING
- METAL FINISHING
- METAL GRINDING
- METAL POLISHING
- METAL SPRAYING
- METAL SURFACES
- POLISHING
- PROTECTIVE COATINGS
- SHOT PEENING
- SOLID SURFACES
- SPUTTERING
- ∞ SURFACES
- WEAR

### ∞ SURFACE GEOMETRY

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT CONCAVITY
- CONVEXITY
- COSSERAT SURFACES
- FLAT SURFACES
- FLATNESS
- GEOMETRY
- LAMBERT SURFACE
- LOFTING
- PLANFORMS
- SHAPES
- SURFACE DISTORTION
- SURFACE LAYERS
- SURFACE PROPERTIES
- SURFACE REACTIONS
- SURFACE ROUGHNESS
- SURFACE STABILITY
- ∞ SURFACES

### SURFACE INTERACTIONS

- USE SURFACE REACTIONS

### SURFACE IONIZATION

- GS IONIZATION
- SURFACE IONIZATION**
- RT IONIZERS
- ∞ SURFACES

### SURFACE LAYERS

- GS **SURFACE LAYERS**
- MONOMOLECULAR FILMS
- RT ATMOSPHERIC STRATIFICATION
- BARRIER LAYERS
- BOUNDARY LAYERS
- CRYSTAL SURFACES
- ∞ LAYERS
- LUNAR SURFACE
- OXIDE FILMS
- SOLAR GRANULATION
- ∞ SURFACE GEOMETRY
- ∞ SURFACES
- THERMOCLINES
- ∞ TRANSITION LAYERS

### SURFACE NAVIGATION

- UF MARINE NAVIGATION
- GS NAVIGATION
- SURFACE NAVIGATION**
- RT CELESTIAL NAVIGATION
- DEAD RECKONING
- DECCA NAVIGATION
- DIGITAL NAVIGATION
- HYPERBOLIC NAVIGATION
- INERTIAL NAVIGATION
- LORAN NAVIGATION SYSTEM
- LORAN
- NAUTICAL CHARTS
- NAVIGATION AIDS
- RADAR NAVIGATION
- RADIO NAVIGATION
- SHIPS
- ∞ SURFACES

### SURFACE NOISE INTERACTIONS

- RT ACOUSTIC EXCITATION
- ACOUSTIC SCATTERING
- AEROACOUSTICS
- AERODYNAMIC NOISE
- TURBULENCE

### SURFACE PRESSURE

- USE PRESSURE

### SURFACE PROPERTIES

- UF BARDEEN APPROXIMATION
- GS **SURFACE PROPERTIES**
- ADHESION
- ADSORPTIVITY
- COEFFICIENT OF FRICTION
- INTERFACIAL TENSION
- SPECTRAL REFLECTANCE
- SURFACE CRACKS
- SURFACE DEFECTS
- SURFACE ENERGY
- SURFACE ROUGHNESS
- SURFACE STABILITY
- SURFACE TEMPERATURE
- SKIN TEMPERATURE
- (NON-BIOLOGICAL)
- WALL TEMPERATURE
- RT ABSORPTANCE
- ALBEDO
- BIDIRECTIONAL REFLECTANCE
- COARSENESS
- COATING
- COATINGS
- COLOR
- CONTACT POTENTIALS
- CONTACT RESISTANCE
- CORROSION
- COSSERAT SURFACES
- DIFFUSION
- EFFERVESCENCE
- EMISSION
- EVANESCENCE
- FINISHES
- FLAT SURFACES
- FOAMING
- FRICTION
- HARDNESS
- HOT CORROSION
- INTERFACES
- JUPITER RED SPOT
- LUNAR ALBEDO
- LUNAR SURFACE
- LUNAR TOPOGRAPHY
- MECHANICAL PROPERTIES
- METAL SURFACES
- OPTICAL PROPERTIES
- PERMEABILITY
- ∞ PHYSICAL PROPERTIES
- PLANAR STRUCTURES
- PLANETARY SURFACES

## SURFACE REACTIONS

### SURFACE PROPERTIES-(CONT.)

- PROFILOMETERS
- ∞ PROPERTIES
- REFLECTANCE
- ROUGHNESS
- SELENOGRAPHY
- SOLID SURFACES
- SOLID-SOLID INTERFACES
- SORPTION
- ∞ SURFACE GEOMETRY
- ∞ SURFACES
- TEXTURES
- VISCOSITY
- VOID RATIO
- WETTABILITY

### SURFACE REACTIONS

- UF SURFACE INTERACTIONS
- RT CHEMICAL REACTIONS
- EROSION
- FLUID-SOLID INTERACTIONS
- GAS-LIQUID INTERACTIONS
- INTERFACES
- METAL SURFACES
- METAL-WATER REACTIONS
- SPACECRAFT GLOW
- ∞ SURFACE GEOMETRY
- ∞ SURFACES
- SURFACTANTS
- VAPORIZING

### SURFACE ROUGHNESS

- GS ROUGHNESS
- ∞ SURFACE ROUGHNESS
- SURFACE PROPERTIES
- ∞ SURFACE ROUGHNESS
- RT COARSENESS
- FRICTION
- LUNAR TOPOGRAPHY
- MACHINING
- MECHANICAL PROPERTIES
- PROFILOMETERS
- RUNWAY CONDITIONS
- ∞ SURFACE GEOMETRY
- ∞ SURFACES
- TOPOGRAPHY

### SURFACE ROUGHNESS EFFECTS

- RT ∞ EFFECTS
- FRICTION DRAG
- REFLECTANCE
- SEPARATED FLOW
- SPECKLE PATTERNS
- ∞ SURFACES

### SURFACE STABILITY

- GS STABILITY
- ∞ SURFACE STABILITY
- SURFACE PROPERTIES
- ∞ SURFACE STABILITY
- RT COARSENESS
- DYNAMIC STABILITY
- INTERFACIAL TENSION
- MOTION STABILITY
- STATIC STABILITY
- STORAGE STABILITY
- ∞ SURFACE GEOMETRY
- ∞ SURFACES
- THERMAL STABILITY

### SURFACE TEMPERATURE

- GS SURFACE PROPERTIES
- ∞ SURFACE TEMPERATURE
- SKIN TEMPERATURE
- (NON-BIOLOGICAL)
- WALL TEMPERATURE
- TEMPERATURE
- ∞ SURFACE TEMPERATURE
- SKIN TEMPERATURE
- (NON-BIOLOGICAL)
- WALL TEMPERATURE
- RT COARSENESS
- GEOTHERMAL ANOMALIES
- OCEAN TEMPERATURE
- SEA SURFACE TEMPERATURE
- ∞ SURFACES
- THERMOCLINES
- WATER TEMPERATURE

### SURFACE TENSION

- USE INTERFACIAL TENSION

### SURFACE TO AIR MISSILES

- UF GROUND-TO-AIR MISSILES
- GS MISSILES

### SURFACE TO AIR MISSILES-(CONT.)

- ∞ SURFACE TO AIR MISSILES
- BLUE GOOSE MISSILE
- BOMARC MISSILES
- BOMARC A MISSILE
- BOMARC B MISSILE
- CHAPARRAL MISSILE
- HAWK MISSILE
- MAULER MISSILE
- NIKE MISSILES
- NIKE-AJAX MISSILE
- NIKE-HERCULES MISSILE
- NIKE-ZEUS MISSILE
- PATRIOT MISSILE
- REDEYE MISSILE
- SPRINT MISSILE
- TALOS MISSILE
- TARTAR MISSILE
- TERRIER MISSILE
- RT AIR TO AIR MISSILES
- AIR TO SURFACE MISSILES
- ANTI-AIRCRAFT MISSILES
- ANTI-MISSILE MISSILES
- NIKE X SYSTEMS
- RAMJET MISSILES
- ∞ ROCKETS
- SENTINEL SYSTEM
- SPACE WEAPONS
- SPARTAN MISSILE
- ∞ SURFACES

### SURFACE TO SURFACE MISSILES

- GS MISSILES
- ∞ SURFACE TO SURFACE MISSILES
- ANTITANK MISSILES
- SHILLELAGH MISSILES
- TOW MISSILES
- CORPORAL MISSILE
- CRUISE MISSILES
- NAVAHO MISSILE
- TOMAHAWK MISSILES
- FLEET BALLISTIC MISSILES
- POLARIS A1 MISSILE
- POLARIS A2 MISSILE
- POLARIS A3 MISSILE
- POSEIDON MISSILES
- SUBROC MISSILE
- INTERCONTINENTAL BALLISTIC MISSILES
- ATLAS ICBM
- ATLAS D ICBM
- ATLAS E ICBM
- ATLAS F ICBM
- MINUTEMAN ICBM
- MX MISSILE
- TITAN ICBM
- TITAN 1 ICBM
- TITAN 2 ICBM
- INTERMEDIATE RANGE BALLISTIC MISSILES
- BLUE STREAK MISSILE
- JUPITER MISSILE
- POLARIS MISSILES
- POLARIS A1 MISSILE
- POLARIS A2 MISSILE
- POLARIS A3 MISSILE
- LANCE MISSILE
- MACE MISSILES
- PERSHING MISSILE
- REGULUS MISSILE
- SERGEANT MISSILES
- SHORT RANGE BALLISTIC MISSILES
- SUPERSONIC LOW ALTITUDE MISSILE
- V-1 MISSILE
- RT AIR TO SURFACE MISSILES
- BALLISTIC MISSILES
- HARPOON MISSILE
- RAMJET MISSILES
- ∞ ROCKETS
- ∞ SURFACES

### SURFACE TO SURFACE ROCKETS

- GS ROCKET VEHICLES
- ∞ SURFACE TO SURFACE ROCKETS
- HONEST JOHN ROCKET VEHICLE
- LITTLE JOHN ROCKET VEHICLE
- RT ∞ ROCKETS
- ∞ SURFACES

### SURFACE TREATMENT

- USE SURFACE FINISHING

### SURFACE VEHICLES

- GS SURFACE VEHICLES
- AIRCRAFT CARRIERS

### SURFACE VEHICLES-(CONT.)

- ∞ AUTOMATED TRANSIT VEHICLES
- ∞ AUTOMATED GUIDEWAY TRANSIT VEHICLES
- BOATS
- LIFEBOATS
- CAPTURED AIR BUBBLE VEHICLES
- CARGO SHIPS
- SAVANNAH NUCLEAR SHIP
- TANKER SHIPS
- DOLLIES
- ELECTRIC HYBRID VEHICLES
- LUNAR SURFACE VEHICLES
- LUNAR MOBILE LABORATORIES
- LUNAR ROVING VEHICLES
- LUNOKHOD LUNAR ROVING VEHICLES
- MANNED LUNAR SURFACE VEHICLES
- MAGNETIC LEVITATION VEHICLES
- MOTOR VEHICLES
- ∞ AUTOMATED MIXED TRAFFIC VEHICLES
- AUTOMOBILES
- ELECTRIC AUTOMOBILES
- ELECTRIC MOTOR VEHICLES
- TRACTORS
- CRAWLER TRACTORS
- TRACKED VEHICLES
- TRUCKS
- TANK TRUCKS
- NUCLEAR POWERED SHIPS
- SAVANNAH NUCLEAR SHIP
- ROADWAY POWERED VEHICLES
- ROVING VEHICLES
- LUNAR ROVING VEHICLES
- LUNOKHOD LUNAR ROVING VEHICLES
- SATELLITE COMMUNICATIONS SHIPS
- SLEDS
- ROCKET PROPELLED SLEDS
- SURFACE EFFECT SHIPS
- SWATH (SHIP)
- TANKS (COMBAT VEHICLES)
- TRANSPORTER
- WALKING MACHINES
- RT AMPHIBIOUS VEHICLES
- ∞ BICYCLE
- GROUND EFFECT MACHINES
- RAIL TRANSPORTATION
- RAILS
- SHIPS
- ∞ SURFACES
- UNDERWATER VEHICLES
- URBAN TRANSPORTATION
- ∞ VEHICLES
- VEHICULAR TRACKS
- WATER VEHICLES

### SURFACE WATER

- GS WATER
- ∞ SURFACE WATER
- RT EARTH RESOURCES
- GROUND WATER
- LAKES
- PONDS
- RIVERS
- STREAMS
- ∞ SURFACES

### SURFACE WAVES

- SN (EXCLUDES SURFACE RADIO WAVES)
- GS SURFACE WAVES
- CAPILLARY WAVES
- GRAVITY WAVES
- BAROCLINIC WAVES
- RIPPLES
- ELECTROMAGNETIC SURFACE WAVES
- SOMMERFELD WAVES
- RT BOW WAVES
- CNOIDAL WAVES
- CRUSTAL FRACTURES
- ELASTIC WAVES
- INTERNAL WAVES
- LEE WAVES
- LIQUID SURFACES
- LOVE WAVES
- MICROSONICS
- P WAVES
- S WAVES
- SEA ROUGHNESS
- SEISMIC WAVES
- SPLASHING
- ∞ SURFACES
- TROPOSPHERIC WAVES

## SURVEYOR 3 LUNAR PROBE

### SURFACE WAVES-(CONT.)

TSUNAMI WAVES  
WATER CURRENTS  
WATER WAVES  
∞ WAVES

### SURFACE-ACTIVE AGENTS

USE SURFACTANTS

### ∞ SURFACES

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)*  
UF CURVED SURFACES  
RT LIFTING SURFACES  
AIR TO SURFACE MISSILES  
AIRFIELD SURFACE MOVEMENTS  
AIRPORT SURFACE DETECTION EQUIPMENT  
APOLLO LUNAR SURFACE EXPERIMENTS PACKAGE  
AREA  
COLD SURFACES  
CONTROL SURFACES  
COSSERAT SURFACES  
CRYSTAL SURFACES  
EARTH SURFACE  
EASEP  
ELECTROMAGNETIC SURFACE WAVES  
ELEVATORS (CONTROL SURFACES)  
EXTERNAL SURFACE CURRENTS  
FERMI SURFACES  
FLAPS (CONTROL SURFACES)  
FLAT SURFACES  
HORIZONTAL TAIL SURFACES  
HOT SURFACES  
INTERFACES  
INTERFACIAL TENSION  
LAMBERT SURFACE  
LIQUID SURFACES  
LSSM  
LUNAR SURFACE  
LUNAR SURFACE VEHICLES  
MANNED LUNAR SURFACE VEHICLES  
MARS SURFACE  
MARS SURFACE SAMPLES  
MENISCI  
METAL SURFACES  
MINIMAL SURFACES  
OCEAN SURFACE  
PLANETARY SURFACES  
SATELLITE SURFACES  
SIZING (SURFACE TREATMENT)  
SOLID SURFACES  
SURFACE COOLING  
SURFACE CRACKS  
SURFACE DEFECTS  
SURFACE DIFFUSION  
SURFACE DISTORTION  
SURFACE EFFECT SHIPS  
SURFACE ENERGY  
SURFACE FINISHING  
∞ SURFACE GEOMETRY  
SURFACE IONIZATION  
SURFACE LAYERS  
SURFACE NAVIGATION  
SURFACE PROPERTIES  
SURFACE REACTIONS  
SURFACE ROUGHNESS  
SURFACE ROUGHNESS EFFECTS  
SURFACE STABILITY  
SURFACE TEMPERATURE  
SURFACE TO AIR MISSILES  
SURFACE TO SURFACE MISSILES  
SURFACE TO SURFACE ROCKETS  
SURFACE VEHICLES  
SURFACE WATER  
SURFACE WAVES  
SWEEPBACK TAIL SURFACES  
T TAIL SURFACES  
TABS (CONTROL SURFACES)  
TAIL SURFACES  
TOWNSEND AVALANCHE  
TRAPEZOIDAL TAIL SURFACES  
TWO DIMENSIONAL BODIES  
UNDER SURFACE BLOWING  
UNDERWATER TO SURFACE MISSILES  
UPPER SURFACE BLOWING  
UPPER SURFACE BLOWN FLAPS  
VENUS SURFACE  
WEAR

### SURFACTANTS

UF SURFACE-ACTIVE AGENTS  
RT ADMIXTURES

### SURFACTANTS-(CONT.)

∞ AGENTS  
DETERGENTS  
MONOMOLECULAR FILMS  
PLASTICIZERS  
RETARDANTS  
SOAPS  
SURFACE REACTIONS

### SURGEONS

GS PERSONNEL  
MEDICAL PERSONNEL  
SURGEONS  
FLIGHT SURGEONS

### SURGERY

GS SURGERY  
LABYRINTHECTOMY  
RT CLINICAL MEDICINE  
HEART IMPLANTATION  
∞ OPERATIONS  
SKIN GRAFTS  
TRANSPLANTATION  
VETERINARY MEDICINE

### SURGES

UF TRANSIENTS (SURGES)  
RT CIRCUIT PROTECTION  
FLUID FLOW  
OVERVOLTAGE  
STORM SURGES  
VARIATIONS  
WATER HAMMER  
∞ WAVES

### SURGICAL INSTRUMENTS

GS MEDICAL EQUIPMENT  
SURGICAL INSTRUMENTS  
RT ∞ INSTRUMENTS  
NEEDLES

### SURINAM

GS NATIONS  
SURINAM  
RT CARIBBEAN REGION  
NETHERLANDS  
SOUTH AMERICA

### SURVEILLANCE

GS SURVEILLANCE  
SPACE SURVEILLANCE (GROUND BASED)  
SPACE SURVEILLANCE (SPACEBORNE)  
RT COMMAND AND CONTROL  
CONICAL SCANNING  
CRIME  
DETECTION  
EARTH RESOURCES  
FOREST FIRE DETECTION  
ICE MAPPING  
ICE REPORTING  
INSPECTION  
OBSERVATION  
PANORAMIC SCANNING  
RADAR SCANNING  
RECONNAISSANCE  
SCANNING  
TARGET ACQUISITION  
TARGET RECOGNITION  
TARGETS

### SURVEILLANCE RADAR

GS RADAR  
SURVEILLANCE RADAR  
AIRBORNE SURVEILLANCE RADAR  
COBRA DANE (RADAR)  
MULTISTATIC RADAR  
RT AIR TRAFFIC CONTROL  
AIRPORT SURFACE DETECTION EQUIPMENT  
COHERENT RADAR  
CONTINUOUS WAVE RADAR  
DIGITAL RADAR SYSTEMS  
DOPPLER RADAR  
METEOROLOGICAL RADAR  
PULSE RADAR  
RADAR APPROACH CONTROL  
RADAR TRACKING  
RADARSCOPE  
SATELLITE-BORNE RADAR  
SEARCH RADAR  
SYNTHETIC APERTURE RADAR  
TRACKING RADAR

### SURVEYING

USE SURVEYS

### SURVEYOR LUNAR PROBES

GS LUNAR SPACECRAFT  
LUNAR PROBES  
SURVEYOR LUNAR PROBES  
SURVEYOR 1 LUNAR PROBE  
SURVEYOR 2 LUNAR PROBE  
SURVEYOR 3 LUNAR PROBE  
SURVEYOR 4 LUNAR PROBE  
SURVEYOR 5 LUNAR PROBE  
SURVEYOR 6 LUNAR PROBE  
SURVEYOR 7 LUNAR PROBE  
SOFT LANDING SPACECRAFT  
SURVEYOR LUNAR PROBES  
SURVEYOR 1 LUNAR PROBE  
SURVEYOR 2 LUNAR PROBE  
SURVEYOR 3 LUNAR PROBE  
SURVEYOR 4 LUNAR PROBE  
SURVEYOR 5 LUNAR PROBE  
SURVEYOR 6 LUNAR PROBE  
SURVEYOR 7 LUNAR PROBE  
UNMANNED SPACECRAFT  
SPACE PROBES  
LUNAR PROBES  
SURVEYOR LUNAR PROBES  
SURVEYOR 1 LUNAR PROBE  
SURVEYOR 2 LUNAR PROBE  
SURVEYOR 3 LUNAR PROBE  
SURVEYOR 4 LUNAR PROBE  
SURVEYOR 5 LUNAR PROBE  
SURVEYOR 6 LUNAR PROBE  
SURVEYOR 7 LUNAR PROBE

### SURVEYOR PROJECT

GS PROGRAMS  
LUNAR PROGRAMS  
SURVEYOR PROJECT  
NASA PROGRAMS  
NASA SPACE PROGRAMS  
SURVEYOR PROJECT  
PROJECTS  
SURVEYOR PROJECT  
SPACE PROGRAMS  
NASA SPACE PROGRAMS  
SURVEYOR PROJECT  
RT ATLAS CENTAUR LAUNCH VEHICLE  
CENTAUR PROJECT  
LUNAR LANDING  
LUNAR PROBES  
LUNAR SPACECRAFT  
SOFT LANDING  
SOFT LANDING SPACECRAFT

### SURVEYOR 1 LUNAR PROBE

GS LUNAR SPACECRAFT  
LUNAR PROBES  
SURVEYOR LUNAR PROBES  
SURVEYOR 1 LUNAR PROBE  
SOFT LANDING SPACECRAFT  
SURVEYOR LUNAR PROBES  
SURVEYOR 1 LUNAR PROBE  
UNMANNED SPACECRAFT  
SPACE PROBES  
LUNAR PROBES  
SURVEYOR LUNAR PROBES  
SURVEYOR 1 LUNAR PROBE  
RT ATLAS CENTAUR LAUNCH VEHICLE

### SURVEYOR 2 LUNAR PROBE

GS LUNAR SPACECRAFT  
LUNAR PROBES  
SURVEYOR LUNAR PROBES  
SURVEYOR 2 LUNAR PROBE  
SOFT LANDING SPACECRAFT  
SURVEYOR LUNAR PROBES  
SURVEYOR 2 LUNAR PROBE  
UNMANNED SPACECRAFT  
SPACE PROBES  
LUNAR PROBES  
SURVEYOR LUNAR PROBES  
SURVEYOR 2 LUNAR PROBE  
RT ATLAS CENTAUR LAUNCH VEHICLE

### SURVEYOR 3 LUNAR PROBE

GS LUNAR SPACECRAFT  
LUNAR PROBES  
SURVEYOR LUNAR PROBES  
SURVEYOR 3 LUNAR PROBE  
SOFT LANDING SPACECRAFT  
SURVEYOR LUNAR PROBES  
SURVEYOR 3 LUNAR PROBE  
UNMANNED SPACECRAFT  
SPACE PROBES

## SURVEYOR 4 LUNAR PROBE

### SURVEYOR 3 LUNAR PROBE-(CONT.)

.. LUNAR PROBES  
.. SURVEYOR LUNAR PROBES  
.. SURVEYOR 3 LUNAR PROBE  
RT ATLAS CENTAUR LAUNCH VEHICLE

### SURVEYOR 4 LUNAR PROBE

GS LUNAR SPACECRAFT  
.. LUNAR PROBES  
.. SURVEYOR LUNAR PROBES  
.. SURVEYOR 4 LUNAR PROBE  
SOFT LANDING SPACECRAFT  
.. SURVEYOR LUNAR PROBES  
.. SURVEYOR 4 LUNAR PROBE  
UNMANNED SPACECRAFT  
.. SPACE PROBES  
.. LUNAR PROBES  
.. SURVEYOR LUNAR PROBES  
.. SURVEYOR 4 LUNAR PROBE  
RT ATLAS CENTAUR LAUNCH VEHICLE

### SURVEYOR 5 LUNAR PROBE

GS LUNAR SPACECRAFT  
.. LUNAR PROBES  
.. SURVEYOR LUNAR PROBES  
.. SURVEYOR 5 LUNAR PROBE  
SOFT LANDING SPACECRAFT  
.. SURVEYOR LUNAR PROBES  
.. SURVEYOR 5 LUNAR PROBE  
UNMANNED SPACECRAFT  
.. SPACE PROBES  
.. LUNAR PROBES  
.. SURVEYOR LUNAR PROBES  
.. SURVEYOR 5 LUNAR PROBE  
RT ATLAS CENTAUR LAUNCH VEHICLE

### SURVEYOR 6 LUNAR PROBE

GS LUNAR SPACECRAFT  
.. LUNAR PROBES  
.. SURVEYOR LUNAR PROBES  
.. SURVEYOR 6 LUNAR PROBE  
SOFT LANDING SPACECRAFT  
.. SURVEYOR LUNAR PROBES  
.. SURVEYOR 6 LUNAR PROBE  
UNMANNED SPACECRAFT  
.. SPACE PROBES  
.. LUNAR PROBES  
.. SURVEYOR LUNAR PROBES  
.. SURVEYOR 6 LUNAR PROBE  
RT ATLAS CENTAUR LAUNCH VEHICLE

### SURVEYOR 7 LUNAR PROBE

GS LUNAR SPACECRAFT  
.. LUNAR PROBES  
.. SURVEYOR LUNAR PROBES  
.. SURVEYOR 7 LUNAR PROBE  
SOFT LANDING SPACECRAFT  
.. SURVEYOR LUNAR PROBES  
.. SURVEYOR 7 LUNAR PROBE  
UNMANNED SPACECRAFT  
.. SPACE PROBES  
.. LUNAR PROBES  
.. SURVEYOR LUNAR PROBES  
.. SURVEYOR 7 LUNAR PROBE  
RT ATLAS CENTAUR LAUNCH VEHICLE

### SURVEYS

UF SURVEYING  
GS SURVEYS  
.. GEODETIC SURVEYS  
.. GEOLOGICAL SURVEYS  
.. SKY SURVEYS (ASTRONOMY)  
.. WAGE SURVEYS  
RT ACCURACY  
CONSTRUCTION  
∞ CROSS SECTIONS  
DATA ACQUISITION  
DATA MANAGEMENT  
DATUM (ELEVATION)  
EXPLORATION  
GEOMETRY  
LAYOUTS  
LORAN  
MAPPING  
MAPS  
PHOTOGRAMMETRY  
POSITION (LOCATION)  
RECONNAISSANCE  
SOIL MAPPING  
∞ STATISTICS

### SURVIVAL

RT AIRCRAFT SURVIVABILITY  
CIVIL DEFENSE  
CLOSED ECOLOGICAL SYSTEMS

### SURVIVAL-(CONT.)

DESERT ADAPTATION  
KITS  
LIFE SUPPORT SYSTEMS  
LUNAR SHELTERS  
SHELTERS  
SPACECRAFT SURVIVABILITY

### SURVIVAL EQUIPMENT

RT AEPS  
AIRCRAFT SURVIVABILITY  
CONSUMABLES (SPACECREW SUPPLIES)  
EMERGENCY LIFE SUSTAINING  
SYSTEMS  
∞ EQUIPMENT  
LIFEBOATS  
ONBOARD EQUIPMENT  
OXYGEN SUPPLY EQUIPMENT  
RAFTS

### SUSCEPTIBILITY (MAGNETISM)

USE MAGNETIC PERMEABILITY

### SUSPENDING (HANGING)

GS SUSPENDING (HANGING)  
.. MAGNETIC SUSPENSION  
RT GYROSCOPE FLUIDS  
MOUNTING  
SUSPENSION SYSTEMS (VEHICLES)  
∞ SUSPENSIONS

### SUSPENDING (MIXING)

GS MIXING  
.. SUSPENDING (MIXING)  
RT AERATION  
AGITATION  
COLLOIDING  
DISPERSING  
DISPERSIONS  
ENTRAINMENT  
FERROFLUIDS  
HOMOGENIZING  
SHAKING  
STIRRING  
∞ SUSPENSIONS

### SUSPENSION SYSTEMS (VEHICLES)

RT BEARINGS  
FLOTATION  
LEVITATION  
MAGNETIC LEVITATION VEHICLES  
RIDING QUALITY  
SHOCK ABSORBERS  
SPRINGS (ELASTIC)  
STEERING  
SUSPENDING (HANGING)  
∞ SUSPENSIONS  
∞ SYSTEMS  
TOROIDAL WHEELS  
UNDERCARRIAGES  
VEHICLE WHEELS  
VEHICULAR TRACKS  
VIBRATION ISOLATORS

### ∞ SUSPENSIONS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT BROWNIAN MOVEMENTS  
DISPERSIONS  
FERROFLUIDS  
SOLID SUSPENSIONS  
SUSPENDING (HANGING)  
SUSPENDING (MIXING)  
SUSPENSION SYSTEMS (VEHICLES)

### SUSQUEHANNA RIVER BASIN (MD-NY-PA)

GS LANDFORMS  
.. STRUCTURAL BASINS  
.. RIVER BASINS  
.. SUSQUEHANNA RIVER BASIN  
(MD-NY-PA)  
RT MARYLAND  
NEW YORK  
PENNSYLVANIA  
RIVERS  
STREAMS  
VALLEYS

### SUSTAINER ROCKET ENGINES

GS ENGINES  
.. ROCKET ENGINES  
.. SUSTAINER ROCKET ENGINES  
RT BOOSTER ROCKET ENGINES  
DUCTED ROCKET ENGINES

### SUSTAINER ROCKET ENGINES-(CONT.)

ELECTRIC ROCKET ENGINES  
ELECTROSTATIC ENGINES  
ELECTROTHERMAL ENGINES  
HYBRID PROPELLANT ROCKET ENGINES  
INTERNAL COMBUSTION ENGINES  
ION ENGINES  
LAUNCH VEHICLES  
LIQUID AIR CYCLE ENGINES  
LIQUID PROPELLANT ROCKET ENGINES  
NUCLEAR ENGINE FOR ROCKET  
VEHICLES  
NUCLEAR ROCKET ENGINES  
RESTARTABLE ROCKET ENGINES  
SOLID PROPELLANT ROCKET ENGINES  
STAGE SEPARATION  
∞ SUSTAINING  
TURBOROCKET ENGINES  
TX-354 ENGINE

### ∞ SUSTAINING

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT LIFE SUPPORT SYSTEMS  
SUPPORTS  
SUSTAINER ROCKET ENGINES

### SWAGING

RT COLD WORKING  
METAL WORKING  
STAMPING

### SWALLOWING

RT DRINKING  
EATING  
INGESTION (BIOLOGY)

### SWAMPS

USE MARSHLANDS

### SWAN BANDS

GS SPECTRA  
.. SPECTRAL BANDS  
.. SWAN BANDS  
RT ∞ BANDS  
CARBON COMPOUNDS  
CHEMICAL BONDS  
EMISSION SPECTRA  
MOLECULAR SPECTRA

### SWARMING

RT BEES  
∞ MOTION

### SWASH

USE SPLASHING

### SWATH (SHIP)

UF SMALL WATER PLANE AREA TWIN HULL  
GS SURFACE VEHICLES  
.. SWATH (SHIP)  
WATER VEHICLES  
.. SHIPS  
.. SWATH (SHIP)  
RT CAPTURED AIR BUBBLE VEHICLES  
HULLS (STRUCTURES)  
SURFACE EFFECT SHIPS  
∞ VEHICLES

### SWATH WIDTH

RT AGRICULTURAL AIRCRAFT  
FLIGHT PATHS  
REMOTE SENSING  
SATELLITE OBSERVATION

### SWAZILAND

GS NATIONS  
.. SWAZILAND  
RT AFRICA  
REPUBLIC OF SOUTH AFRICA

### SWEAT

GS BODY FLUIDS  
.. SWEAT  
SECRETIONS  
.. SWEAT  
RT MILIARIA  
PERSPIRATION

### SWEAT COOLING

UF TRANSPIRATION COOLING  
GS COOLING  
.. EVAPORATIVE COOLING

## SWITCHING CIRCUITS

### SWEAT COOLING-(CONT.)

**SWEAT COOLING**  
RT FILM COOLING  
LIQUID COOLING  
SURFACE COOLING

### SWEATING

USE PERSPIRATION

### SWEDEN

GS NATIONS  
SWEDEN  
RT EUROPE  
SCANDINAVIA  
SWEDISH SPACE PROGRAM

### SWEDISH SPACE PROGRAM

GS PROGRAMS  
SPACE PROGRAMS  
SWEDISH SPACE PROGRAM  
RT EUROPEAN SPACE PROGRAMS  
SWEDEN

### SWEEP ANGLE

GS GEOMETRY  
EUCLIDEAN GEOMETRY  
ANGLES (GEOMETRY)  
SWEEP ANGLE  
SWEEPBACK  
LEADING EDGE SWEEP  
RT AERODYNAMIC STALLING  
ANGLE OF ATTACK  
BOUNDARY LAYER SEPARATION  
MACH NUMBER

### SWEEP CIRCUITS

GS CIRCUITS  
SWEEP CIRCUITS  
RT FREQUENCY SCANNING  
OSCILLOSCOPES  
SAMPLING

### SWEEP EFFECT

RT EFFECTS  
FORCE DISTRIBUTION  
LIFT  
LOADING  
WING LOADING

### SWEEP FREQUENCY

UF ELECTRON SWEEPING  
GS FREQUENCIES  
SWEEP FREQUENCY  
RT CARRIER FREQUENCIES  
FREQUENCY ANALYZERS  
FREQUENCY SCANNING  
FREQUENCY SYNCHRONIZATION  
OSCILLOSCOPES  
TELEVISION TRANSMISSION

### SWEEPBACK

UF SWEEPBACK ANGLES  
GEOMETRY  
GS EUCLIDEAN GEOMETRY  
ANGLES (GEOMETRY)  
SWEEP ANGLE  
SWEEPBACK  
LEADING EDGE SWEEP  
RT SUPERSONIC AIRFOILS

### SWEEPBACK ANGLES

USE SWEEPBACK

### SWELLING

RT DISTORTION  
EXPANSION  
GROWTH  
INCREASING  
INFLATING  
SPREADING

### SWEPT FORWARD WINGS

GS AIRFOILS  
WINGS  
SWEPT WINGS  
SWEPT FORWARD WINGS  
TRAPEZOIDAL WINGS  
PLANFORMS  
WING PLANFORMS  
SWEPT FORWARD WINGS  
TRAPEZOIDAL WINGS  
RT SWEPTBACK WINGS  
VARIABLE SWEEP WINGS  
X-29 AIRCRAFT

### SWEPT WINGS

UF CRANKED WINGS  
DIAMOND WINGS  
TAPERED WINGS  
GS AIRFOILS  
WINGS  
SWEPT WINGS  
SWEPT FORWARD WINGS  
TRAPEZOIDAL WINGS  
SWEPTBACK WINGS  
ARROW WINGS  
DELTA WINGS  
TRAPEZOIDAL WINGS  
RT A-300 AIRCRAFT  
A-310 AIRCRAFT  
A-320 AIRCRAFT  
FIXED WINGS  
SPANLOADER AIRCRAFT  
UNSWEEP WINGS  
WING PLANFORMS

### SWEPTBACK TAIL SURFACES

GS PLANFORMS  
SWEPTBACK TAIL SURFACES  
TAIL SURFACES  
SWEPTBACK TAIL SURFACES  
RT CONTROL SURFACES  
HYPERSONIC AIRCRAFT  
RUDDERS  
STABILIZERS (FLUID DYNAMICS)  
SUPERSONIC AIRFOILS  
SURFACES  
T TAIL SURFACES  
TRAPEZOIDAL TAIL SURFACES

### SWEPTBACK WINGS

GS AIRFOILS  
WINGS  
SWEPT WINGS  
SWEPTBACK WINGS  
ARROW WINGS  
DELTA WINGS  
TRAPEZOIDAL WINGS  
PLANFORMS  
WING PLANFORMS  
SWEPTBACK WINGS  
ARROW WINGS  
DELTA WINGS  
TRAPEZOIDAL WINGS  
RT HYPERSONIC AIRCRAFT  
SUPERSONIC AIRCRAFT  
SUPERSONIC AIRFOILS  
SWEPT FORWARD WINGS  
VARIABLE SWEEP WINGS

### SWIMMING

RT PHYSICAL EXERCISE  
PHYSICAL FITNESS

### SWIMMING POOL REACTORS

GS NUCLEAR REACTORS  
LIQUID COOLED REACTORS  
WATER COOLED REACTORS  
SWIMMING POOL REACTORS  
RT REACTORS

### SWINE

SN (EXCLUDES GUINEA PIGS)  
UF PIGS (SWINE)  
GS ANIMALS  
VERTEBRATES  
MAMMALS  
SWINE  
RT GRAZING  
LIVESTOCK

### SWING TAIL ASSEMBLIES

GS ASSEMBLIES  
TAIL ASSEMBLIES  
SWING TAIL ASSEMBLIES  
RT AFTERBODIES  
AIRCRAFT PARTS  
AIRCRAFT STRUCTURES

### SWING WINGS

GS AIRFOILS  
WINGS  
SWING WINGS  
RT AIRCRAFT PARTS  
AIRCRAFT STRUCTURES  
WING PLANFORMS  
WING PROFILES

### SWINGBY TECHNIQUE

UF GRAVITY ASSIST TRAJECTORIES

### SWINGBY TECHNIQUE-(CONT.)

RT FLYBY MISSIONS  
GRAVITATIONAL EFFECTS  
INTERPLANETARY TRANSFER ORBITS  
ORBITAL MECHANICS  
PLANETARY ORBITS  
ROUND TRIP TRAJECTORIES  
SPACECRAFT TRAJECTORIES

### SWIRLING

RT AGITATION  
CENTRIFUGING  
DISPERSING  
FOAMING  
MIXING  
SEPARATION  
SHAKING  
STIRRING

### SWIRLING WAKES

USE TURBULENT WAKES

### SWISS SPACE PROGRAM

GS PROGRAMS  
SPACE PROGRAMS  
SWISS SPACE PROGRAM  
RT EUROPEAN SPACE PROGRAMS  
SWITZERLAND

### SWITCHES

GS SWITCHES  
CAPACITANCE SWITCHES  
ELECTRIC RELAYS  
ELECTRIC SWITCHES  
CRYOTRONS  
STEPPING SWITCHES  
THERMOSTATS  
VACUUM ARC SWITCHES  
PRESSURE SWITCHES  
SWITCHING CIRCUITS  
FLUID SWITCHING ELEMENTS  
TRIGATRONS  
RT CIRCUIT BREAKERS  
DROPOUTS  
ECHO SUPPRESSORS  
ELECTRIC CONNECTORS  
ELECTRIC CONTACTS  
INTERRUPTION  
SELECTORS  
SWITCHING

### SWITCHING

GS SWITCHING  
BEAM SWITCHING  
MAGNETIC SWITCHING  
MICROWAVE SWITCHING  
OPTICAL SWITCHING  
PACKET SWITCHING  
RT CODE DIVISION MULTIPLE ACCESS  
INTERRUPTION  
SEQUENCING  
STEP RECOVERY DIODES  
SWITCHES  
TIME DIVISION MULTIPLE ACCESS

### SWITCHING CIRCUITS

UF ELECTRONIC SWITCHES  
SWITCHING ELEMENTS  
GS CIRCUITS  
SWITCHING CIRCUITS  
FLUID SWITCHING ELEMENTS  
SWITCHES  
SWITCHING CIRCUITS  
FLUID SWITCHING ELEMENTS  
RT ARPA COMPUTER NETWORK  
CAPACITANCE SWITCHES  
CIRCUIT BREAKERS  
CURRENT REGULATORS  
DUPLEX OPERATION  
DUPLEXERS  
ELECTRIC RELAYS  
ELECTRIC SWITCHES  
GATES (CIRCUITS)  
LATCH-UP  
LOGIC CIRCUITS  
MATRICES (CIRCUITS)  
MICROWAVE SWITCHING  
MULTIVIBRATORS  
OPTICAL BISTABILITY  
OPTICAL SWITCHING  
PACKET SWITCHING  
SELECTORS  
SQUELCH CIRCUITS  
VACUUM ARC SWITCHES  
VOLTAGE REGULATORS

## SWITCHING ELEMENTS

### SWITCHING ELEMENTS

USE SWITCHING CIRCUITS

### SWITCHING THEORY

RT BOOLEAN ALGEBRA  
BRANCHING (MATHEMATICS)  
COMMUNICATION THEORY  
COMMUTATION  
LOGIC DESIGN  
NETWORK SYNTHESIS  
PACKET SWITCHING  
SEQUENCING  
∞ THEORIES  
TOPOLOGY

### SWITZERLAND

GS NATIONS  
. SWITZERLAND  
RT ALPS MOUNTAINS (EUROPE)  
EUROPE  
SWISS SPACE PROGRAM

### SWIVELS

RT BEARINGS  
GIMBALS  
HINGES  
HOOKS  
JOINTS (JUNCTIONS)  
PIVOTS

### SYENITE

GS ROCKS  
. IGNEOUS ROCKS  
. SYENITE  
RT SOILS  
TRACHYTE

### SYLLABLES

GS COMMUNICATION THEORY  
. WORDS (LANGUAGE)  
. SYLLABLES  
LANGUAGES  
. SENTENCES  
. WORDS (LANGUAGE)  
. SYLLABLES  
LINGUISTICS  
. SYNTAX  
. SENTENCES  
. WORDS (LANGUAGE)  
. SYLLABLES  
SIGNAL RECEPTION  
. SYLLABLES  
SPEECH  
. TALKING  
. WORDS (LANGUAGE)  
. SYLLABLES  
RT MESSAGES  
PSYCHOLINGUISTICS  
SEMANTICS  
SIGNAL TRANSMISSION

### SYMBIOSIS

RT ECOLOGY  
LICHENS

### SYMBIOTIC STARS

GS CELESTIAL BODIES  
. STARS  
. DOUBLE STARS  
. BINARY STARS  
. SYMBIOTIC STARS  
. PECULIAR STARS  
. SYMBIOTIC STARS  
. VARIABLE STARS  
. SYMBIOTIC STARS  
RT ABSORPTION SPECTRA  
ECLIPSING BINARY STARS  
EMISSION SPECTRA  
FLARE STARS  
M STARS  
NOVAE  
STELLAR ENVELOPES  
STELLAR MASS ACCRETION  
STELLAR OSCILLATIONS  
STELLAR SPECTRA  
STELLAR TEMPERATURE

### SYMBOLIC PROGRAMMING

GS SOFTWARE ENGINEERING  
. COMPUTER PROGRAMMING  
. SYMBOLIC PROGRAMMING  
RT CODING  
COMPUTER ASSISTED INSTRUCTION  
CONTEXT FREE LANGUAGES  
LANGUAGE PROGRAMMING

## SYMBOLIC PROGRAMMING-(CONT.)

MNEMONICS

### SYMBOLS

UF CHARACTERS  
LETTERS (SYMBOLS)  
SIGNS (SYMBOLS)  
GS SIGNAL RECEPTION  
. SYMBOLS  
RT ALPHABETS  
ALPHANUMERIC CHARACTERS  
CHARACTER RECOGNITION  
∞ CODES  
CODING  
COLOR  
DATA PROCESSING  
DIGITS  
HIGH LEVEL LANGUAGES  
LANGUAGES  
LEGIBILITY  
∞ MATHEMATICS  
MESSAGE PROCESSING  
MESSAGES  
MNEMONICS  
NOMENCLATURES  
PERCEPTION  
READING  
SEMANTICS  
UNITS OF MEASUREMENT  
VISIBILITY

### SYMMETRICAL BODIES

GS SYMMETRICAL BODIES  
. AXISYMMETRIC BODIES  
. BODIES OF REVOLUTION  
. CONICAL BODIES  
. SLENDER CONES  
. CYLINDRICAL BODIES  
. ROTATING CYLINDERS  
. PARABOLIC BODIES  
. SPHERES  
. CELESTIAL SPHERE  
. CONCENTRIC SPHERES  
. FALLING SPHERES  
. POINCARÉ SPHERES  
. ROTATING SPHERES  
. TORUSES  
. ELLIPSOIDS  
. LENTICULAR BODIES  
. STREAMLINED BODIES  
. FAIRINGS  
RT AXES OF ROTATION  
BLUNT BODIES  
∞ BODIES  
CONES  
FINNED BODIES  
FLARED BODIES  
GEOIDS  
OGIVES  
SLENDER BODIES  
SPINNING UNGUIDED ROCKET  
TRAJECTORY

### SYMMETRY

UF AXISYMMETRY  
GS SYMMETRY  
. BROKEN SYMMETRY  
. SUPERSYMMETRY  
RT ANTISYMMETRY  
ASYMMETRY  
CONGRUENCES  
CONTINUITY (MATHEMATICS)  
ECCENTRICITY  
GEOMETRY  
GRAND UNIFIED THEORY  
ISOTROPISM  
QUANTILES  
SHAPES

### SYMMETRY BREAKING

USE BROKEN SYMMETRY

### SYMPATHETIC NERVOUS SYSTEM

GS ANATOMY  
. NERVOUS SYSTEM  
. AUTONOMIC NERVOUS SYSTEM  
. SYMPATHETIC NERVOUS SYSTEM  
RT ∞ SYSTEMS

### SYMPATHOMIMETICS

USE ADRENERGICS

### SYMPHONIE SATELLITES

GS ARTIFICIAL SATELLITES  
. COMMUNICATION SATELLITES

## SYMPHONIE SATELLITES-(CONT.)

### SYMPHONIE SATELLITES

RT ARCOMSAT  
BROADCASTING  
EUROPEAN SPACE PROGRAMS  
FRENCH SATELLITES  
INTERNATIONAL COOPERATION  
RADIO TRANSMISSION  
SATELLITE TELEVISION  
SYNCHRONOUS SATELLITES  
TELEPHONY

### SYMPTOMOLOGY

GS MEDICAL SCIENCE  
. SYMPTOMOLOGY  
RT DISEASES  
SIGNS AND SYMPTOMS

### SYMPTOMS

USE SIGNS AND SYMPTOMS

### SYNAPSES

RT NERVES  
NERVOUS SYSTEM  
NEUROMUSCULAR TRANSMISSION  
NEURONS  
NEUROTRANSMITTERS  
SYNCODERS

### SYNCHROCYCLOTRONS

GS PARTICLE ACCELERATORS  
. CYCLIC ACCELERATORS  
. SYNCHROCYCLOTRONS  
. CYCLOTRONS  
. SYNCHROCYCLOTRONS  
RT BEVATRON  
SYNCHROTRONS

### SYNCHRONISM

UF BEAT  
SYNCHRONIZATION  
GS SYNCHRONISM  
. BIT SYNCHRONIZATION  
. FREQUENCY SYNCHRONIZATION  
RT COINCIDENCE CIRCUITS  
DINING PHILOSOPHERS PROBLEM  
PHASE DETECTORS  
STROBOSCOPES  
SYNCHRONIZERS  
SYNCHROPHASING  
TIME  
TIME MEASUREMENT

### SYNCHRONIZATION

USE SYNCHRONISM

### SYNCHRONIZED OSCILLATORS

GS OSCILLATORS  
. SYNCHRONIZED OSCILLATORS  
RT FREQUENCY SYNCHRONIZATION  
PHASE LOCKED SYSTEMS  
SYNCHROSCOPES

### SYNCHRONIZERS

RT HELIOSTATS  
PULSE RADAR  
SERVOMOTORS  
SYNCHRONISM

### SYNCHRONOUS COMMUNICATION SATELLITES

USE SYNCOM SATELLITES

### SYNCHRONOUS COMMUNICATIONS SATELLITE

PROJ (SYNCHRONOUS COMMUNICATIONS  
SATELLITE PROJECT)  
GS PROGRAMS  
. NASA PROGRAMS  
. NASA SPACE PROGRAMS  
. SYNCHRONOUS COMMUNICATIONS  
SATELLITE PROJ  
. PROJECTS  
. SYNCHRONOUS COMMUNICATIONS  
SATELLITE PROJ  
. SPACE PROGRAMS  
. NASA SPACE PROGRAMS  
. SYNCHRONOUS COMMUNICATIONS  
SATELLITE PROJ  
RT COMMUNICATION SATELLITES  
TWENTY-FOUR HOUR ORBITS

### SYNCHRONOUS DETECTORS

USE CORRELATORS

# SYNOPTIC METEOROLOGY

## SYNCHRONOUS EARTH OBSERVATORY SATELLITE

UF SEOS  
GS ARTIFICIAL SATELLITES  
METEOROLOGICAL SATELLITES  
SYNCHRONOUS EARTH OBSERVATORY SATELLITE  
SMS 1  
SMS 2  
SYNCHRONOUS SATELLITES  
SYNCHRONOUS EARTH OBSERVATORY SATELLITE  
SMS 1  
SMS 2  
RT EARLY WARNING SYSTEMS  
LANDSAT SATELLITES  
NASA PROGRAMS  
PROGRAMS  
SATELLITE OBSERVATION  
SEASAT SATELLITES  
SYNCHRONOUS METEOROLOGICAL SATELLITE  
TECHNOLOGY UTILIZATION

## SYNCHRONOUS METEOROLOGICAL SATELLITE

UF SMS  
GS ARTIFICIAL SATELLITES  
METEOROLOGICAL SATELLITES  
SYNCHRONOUS METEOROLOGICAL SATELLITE  
SMS 1  
SMS 2  
SYNCHRONOUS SATELLITES  
SYNCHRONOUS METEOROLOGICAL SATELLITE  
SMS 1  
SMS 2  
RT COMMUNICATION SATELLITES  
SYNCHRONOUS EARTH OBSERVATORY SATELLITE

## SYNCHRONOUS MOTORS

GS MOTORS  
ELECTRIC MOTORS  
SYNCHRONOUS MOTORS  
RT ASYNCHRONOUS MOTORS  
INDUCTION MOTORS

## SYNCHRONOUS PLATFORMS

UF GEOSTATIONARY PLATFORMS  
GS SPACE PLATFORMS  
SYNCHRONOUS PLATFORMS  
RT COMMUNICATION SATELLITES  
GEOSYNCHRONOUS ORBITS  
PLATFORMS

## SYNCHRONOUS SATELLITES

UF GEOSTATIONARY SATELLITES  
GS ARTIFICIAL SATELLITES  
SYNCHRONOUS SATELLITES  
AEROS SATELLITE  
AEROSAT SATELLITES  
ANIK SATELLITES  
ANIK 1  
ANIK 2  
ANIK 3  
GOES SATELLITES  
GOES 1  
GOES 2  
GOES 3  
GOES 4  
GOES 5  
GOES 6  
GOES 7  
GOES-G  
MIRANDA SATELLITE  
SIRIO SATELLITE  
STORMSAT SATELLITE  
SYNCHRONOUS EARTH OBSERVATORY SATELLITE  
SMS 1  
SMS 2  
SYNCHRONOUS METEOROLOGICAL SATELLITE  
SMS 1  
SMS 2  
SYNCOM SATELLITES  
EARLY BIRD SATELLITES  
SYNCOM 1 SATELLITE  
SYNCOM 2 SATELLITE  
SYNCOM 3 SATELLITE  
TD SATELLITES  
TD-1 SATELLITE  
RT ACTIVE SATELLITES  
ARCOMSAT

## SYNCHRONOUS SATELLITES-(CONT.)

CANADIAN SPACE PROGRAM  
COMMUNICATION SATELLITES  
COMMUNICATIONS TECHNOLOGY SATELLITE  
MILITARY SPACECRAFT  
NAVIGATION SATELLITES  
PASSIVE SATELLITES  
REFSAT  
STATIONARY ORBITS  
SYMPHONIE SATELLITES  
TWENTY-FOUR HOUR ORBITS

## SYNCHROPHASING

RT AIRCRAFT NOISE  
NOISE REDUCTION  
PROPELLER BLADES  
SYNCHRONISM

## SYNCHROPHASOTRONS

GS PARTICLE ACCELERATORS  
SYNCHROPHASOTRONS  
RT ACCELERATORS  
SYNCHROTRONS

## SYNCHROSCOPES

GS CIRCUITS  
PHASE DETECTORS  
SYNCHROSCOPES  
RT CORRELATORS  
MEASURING INSTRUMENTS  
OSCILLOSCOPES  
SYNCHRONIZED OSCILLATORS

## SYNCHROTRON RADIATION

GS ELECTROMAGNETIC RADIATION  
NONTHERMAL RADIATION  
SYNCHROTRON RADIATION  
POLARIZED ELECTROMAGNETIC RADIATION  
SYNCHROTRON RADIATION  
POLARIZED RADIATION  
POLARIZED ELECTROMAGNETIC RADIATION  
SYNCHROTRON RADIATION  
BREMSSTRAHLUNG  
EXTRATERRESTRIAL RADIATION  
RADIATION  
RADIATION PROTECTION  
SYNCHROTRONS  
X RAYS

## SYNCHROTRONS

GS PARTICLE ACCELERATORS  
CYCLIC ACCELERATORS  
SYNCHROTRONS  
BEVATRON  
STORAGE RINGS (PARTICLE ACCELERATORS)  
RT BETATRONS  
CYCLOTRONS  
ELECTRON ACCELERATORS  
ION ACCELERATORS  
MICROTRONS  
SYNCHROCYCLOTRONS  
SYNCHROPHASOTRONS  
SYNCHROTRON RADIATION

## SYNCLINES

UF SYNCLINORIA  
RT ANTICLINES  
DOMES (GEOLOGY)  
GEOLOGICAL FAULTS  
GEOSYNCLINES  
LAYERS  
STRATA  
STRATIFICATION  
STRATIGRAPHY

## SYNCLINORIA

USE SYNCLINES

## SYNCODERS

RT BIONICS  
NEURONS  
SYNAPSES

## SYNCOM APOGEE ENGINES

GS ENGINES  
ROCKET ENGINES  
SOLID PROPELLANT ROCKET ENGINES  
SYNCOM APOGEE ENGINES  
VERNIER ENGINES

## SYNCOM APOGEE ENGINES-(CONT.)

SYNCOM APOGEE ENGINES  
TORPEDO ENGINES  
VERNIER ENGINES  
SYNCOM APOGEE ENGINES

## SYNCOM SATELLITES

UF SYNCHRONOUS COMMUNICATION SATELLITES  
GS ARTIFICIAL SATELLITES  
ACTIVE SATELLITES  
SYNCOM SATELLITES  
EARLY BIRD SATELLITES  
SYNCOM 1 SATELLITE  
SYNCOM 2 SATELLITE  
SYNCOM 3 SATELLITE  
COMMUNICATION SATELLITES  
SYNCOM SATELLITES  
EARLY BIRD SATELLITES  
SYNCOM 1 SATELLITE  
SYNCOM 2 SATELLITE  
SYNCOM 3 SATELLITE  
SYNCOM 4 SATELLITE  
SYNCHRONOUS SATELLITES  
SYNCOM SATELLITES  
EARLY BIRD SATELLITES  
SYNCOM 1 SATELLITE  
SYNCOM 2 SATELLITE  
SYNCOM 3 SATELLITE  
RT THOR DELTA LAUNCH VEHICLE

## SYNCOM 1 SATELLITE

GS ARTIFICIAL SATELLITES  
ACTIVE SATELLITES  
SYNCOM SATELLITES  
SYNCOM 1 SATELLITE  
COMMUNICATION SATELLITES  
SYNCOM SATELLITES  
SYNCOM 1 SATELLITE  
SYNCHRONOUS SATELLITES  
SYNCOM SATELLITES  
SYNCOM 1 SATELLITE  
DELTA LAUNCH VEHICLE

## SYNCOM 2 SATELLITE

GS ARTIFICIAL SATELLITES  
ACTIVE SATELLITES  
SYNCOM SATELLITES  
SYNCOM 2 SATELLITE  
COMMUNICATION SATELLITES  
SYNCOM SATELLITES  
SYNCOM 2 SATELLITE  
SYNCHRONOUS SATELLITES  
SYNCOM SATELLITES  
SYNCOM 2 SATELLITE  
DELTA LAUNCH VEHICLE

## SYNCOM 3 SATELLITE

GS ARTIFICIAL SATELLITES  
ACTIVE SATELLITES  
SYNCOM SATELLITES  
SYNCOM 3 SATELLITE  
COMMUNICATION SATELLITES  
SYNCOM SATELLITES  
SYNCOM 3 SATELLITE  
SYNCHRONOUS SATELLITES  
SYNCOM SATELLITES  
SYNCOM 3 SATELLITE  
DELTA LAUNCH VEHICLE

## SYNCOM 4 SATELLITE

GS ARTIFICIAL SATELLITES  
COMMUNICATION SATELLITES  
SYNCOM SATELLITES  
SYNCOM 4 SATELLITE

## SYNCOPE

UF FAINTING  
GS SYNCOPE  
BLACKOUT (PHYSIOLOGY)  
BLACKOUT PREVENTION  
RT UNCONSCIOUSNESS

## SYNDROMES

USE SIGNS AND SYMPTOMS

## SYNOPTIC MEASUREMENT

RT MEASUREMENT  
NEPHANALYSIS

## SYNOPTIC METEOROLOGY

GS METEOROLOGY  
SYNOPTIC METEOROLOGY  
RT AIR MASSES



## SYNTAX

### SYNOPTIC METEOROLOGY-(CONT.)

ANTICYCLONES  
COLD FRONTS  
CYCLONES  
FRONTS (METEOROLOGY)  
METEOROLOGICAL CHARTS  
NEPHANALYSIS  
TELECONNECTIONS (METEOROLOGY)  
WARM FRONTS  
WEATHER FORECASTING

### SYNTAX

GS LINGUISTICS  
    . **SYNTAX**  
    . . SENTENCES  
    . . WORDS (LANGUAGE)  
    . . SYLLABLES  
RT FORMAT  
    GRAMMARS  
∞ INTERPRETATION  
    LANGUAGES  
    ORTHOGRAPHY  
    PARSING ALGORITHMS  
    PSYCHOLINGUISTICS  
    SEMANTICS  
    SPEECH

### SYNTECTIC ALLOYS

GS ALLOYS  
    . **SYNTECTIC ALLOYS**  
RT EUTECTICS  
    LIQUID PHASES  
    METALS  
    PHASE TRANSFORMATIONS  
    SOLID PHASES

### SYNTHANE

UF SYNTHETIC METHANE  
GS FUELS  
    . CHEMICAL FUELS  
    . . HYDROCARBON FUELS  
    . . **SYNTHANE**  
    . . SYNTHETIC FUELS  
    . . **SYNTHANE**  
RT AUTOMOBILE FUELS  
    CARBON DIOXIDE  
    CARBON MONOXIDE  
    COAL  
    COAL GASIFICATION  
    GASIFICATION  
    HYDROGEN  
    LIGNITE  
    METHANE

### ∞ SYNTHESIS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT BIOSYNTHESIS  
    CHEMICAL REACTIONS  
    DECISION THEORY  
∞ DESIGN  
    NETWORK SYNTHESIS  
    NUCLEAR FUSION  
    OPERATIONS RESEARCH  
    PLASMA JET SYNTHESIS  
    SYNTHESIS (CHEMISTRY)  
    SYNTHETIC FUELS  
    SYSTEMS ENGINEERING

### SYNTHESIS (CHEMISTRY)

GS **SYNTHESIS (CHEMISTRY)**  
    . POLYMERIZATION  
    . . COPOLYMERIZATION  
    . . DIMERIZATION  
RT ADDITION RESINS  
    CHEMICAL REACTIONS  
∞ CHEMISTRY  
    FISCHER-TROPSCH PROCESS  
    OPERATIONS RESEARCH  
∞ SYNTHESIS  
    SYNTHETIC FIBERS  
    SYNTHETIC FUELS  
    SYNTHETIC RESINS  
    SYNTHETIC RUBBERS  
    SYSTEMS ENGINEERING

### SYNTHESIZERS

RT CHEMICAL REACTORS  
    FREQUENCY SYNTHESIZERS

### SYNTHETIC APERTURE RADAR

GS RADAR  
    . **SYNTHETIC APERTURE RADAR**  
    . . SIDE-LOOKING RADAR

### SYNTHETIC APERTURE RADAR-(CONT.)

RT EARTHNET  
    IMAGING RADAR  
    MAGELLAN SPACECRAFT (NASA)  
    MICROWAVE IMAGERY  
    MICROWAVE SENSORS  
    RADAR EQUIPMENT  
    RADARSAT  
    SATELLITE-BORNE RADAR  
    SHUTTLE IMAGING RADAR  
    SURVEILLANCE RADAR  
    SYNTHETIC APERTURES  
    VENUS ORBITING IMAGING RADAR  
        (SPACECRAFT)

### SYNTHETIC APERTURES

GS OPENINGS  
    . APERTURES  
    . . **SYNTHETIC APERTURES**  
RT IMAGING TECHNIQUES  
    SYNTHETIC APERTURE RADAR

### SYNTHETIC ARRAYS

GS ARRAYS  
    . **SYNTHETIC ARRAYS**  
RT ANTENNA RADIATION PATTERNS  
    APERTURES  
    DISTRIBUTION (PROPERTY)  
    EARTH RESOURCES SHUTTLE IMAGING  
        RADAR  
    ∞ PATTERNS

### SYNTHETIC FIBERS

GS FIBERS  
    . **SYNTHETIC FIBERS**  
    . . CERAMIC FIBERS  
    . . DACRON (TRADEMARK)  
    . . FORTISAN (TRADEMARK)  
    . . GLASS FIBERS  
    . . NYLON (TRADEMARK)  
    . . RAYON  
    . . VYCOR  
RT ADDITION RESINS  
    FLAME RETARDANTS  
    KEVLAR (TRADEMARK)  
    POLYBENZIMIDAZOLE  
    POLYESTERS  
    REINFORCING FIBERS  
    SYNTHESIS (CHEMISTRY)  
    WET SPINNING

### SYNTHETIC FOOD

RT AMINO ACIDS  
    BIOSYNTHESIS  
    CARBOHYDRATES  
    CELLULOSE  
    EATING  
    FATS  
    ∞ FOOD  
    FOOD INTAKE  
    NUTRITIONAL REQUIREMENTS  
    PROTEIN METABOLISM  
    PROTEINS  
    TASTE

### SYNTHETIC FUELS

GS FUELS  
    . CHEMICAL FUELS  
    . . **SYNTHETIC FUELS**  
    . . . GASOHOL (FUEL)  
    . . . **SYNTHANE**  
RT CHEMICAL REACTIONS  
    CLEAN FUELS  
    FISCHER-TROPSCH PROCESS  
    HYDROCARBON FUELS  
    LIQUID FUELS  
    ∞ SYNTHESIS  
    SYNTHESIS (CHEMISTRY)

### SYNTHETIC METALS

RT CRYSTAL LATTICES  
    GRAPHITE  
    ORGANOMETALLIC COMPOUNDS

### SYNTHETIC METHANE

USE SYNTHANE

### SYNTHETIC RESINS

GS PLASTICS  
    . **SYNTHETIC RESINS**  
    . . ADDITION RESINS  
    . . . ACRYLIC RESINS  
    . . . VINYL COPOLYMERS  
    . . POLYESTER RESINS  
    . . POLYETHER RESINS

### SYNTHETIC RESINS-(CONT.)

. . . PEEK  
    . . . POLYMETHYL METHACRYLATE  
    . . . THERMOPLASTIC RESINS  
    . . . PEEK  
    . . . QUINOXALINES  
    . . . THERMOPLASTIC FILMS  
    . . . THERMOSETTING RESINS  
    . . . EPOXY RESINS  
    . . . PHENOLIC EPOXY RESINS  
    . . . FURAN RESINS  
    . . . POLYAMIDE RESINS  
    . . . KEVLAR (TRADEMARK)  
    . . . PHENOLIC RESINS  
    . . . MICARTA  
    . . . PHENOLIC EPOXY RESINS  
RESINS  
    . **SYNTHETIC RESINS**  
    . . ADDITION RESINS  
    . . . ACRYLIC RESINS  
    . . . VINYL COPOLYMERS  
    . . . POLYESTER RESINS  
    . . . POLYETHER RESINS  
    . . . PEEK  
    . . . POLYMETHYL METHACRYLATE  
    . . . THERMOPLASTIC RESINS  
    . . . PEEK  
    . . . QUINOXALINES  
    . . . THERMOPLASTIC FILMS  
    . . . THERMOSETTING RESINS  
    . . . EPOXY RESINS  
    . . . PHENOLIC EPOXY RESINS  
    . . . FURAN RESINS  
    . . . POLYAMIDE RESINS  
    . . . KEVLAR (TRADEMARK)  
    . . . PHENOLIC RESINS  
    . . . MICARTA  
    . . . PHENOLIC EPOXY RESINS  
RT POLYETHYLENES  
    ∞ POLYMERS  
    POLYPROPYLENE  
    POLYSTYRENE  
    POLYTETRAFLUOROETHYLENE  
    POLYVINYL ALCOHOL  
    POLYVINYL CHLORIDE  
    SYNTHESIS (CHEMISTRY)  
    TEFLON (TRADEMARK)

### SYNTHETIC RUBBERS

GS RUBBER  
    . **SYNTHETIC RUBBERS**  
    . . ADIPRENE (TRADEMARK)  
    . . BUNA (TRADEMARK)  
    . . ELASTOMERS  
    . . . CHLOROPRENE RESINS  
    . . . THIOPLASTICS  
    . . . VITON RUBBER (TRADEMARK)  
    . . . VULCANIZED ELASTOMERS  
    . . . RTV-40 RUBBER (TRADEMARK)  
    . . . RTV-60 RUBBER (TRADEMARK)  
RT LATEX  
    POLYBUTADIENE  
    POLYISOBUTYLENE  
    POLYISOPRENES  
    SILICONE RUBBER  
    SOLITHANES  
    SYNTHESIS (CHEMISTRY)

### SYNTONY

RT FREQUENCY SYNCHRONIZATION  
    OSCILLATIONS  
    RESONANCE

### SYPHILIS

GS DISEASES  
    . INFECTIOUS DISEASES  
    . . BACTERIAL DISEASES  
    . . . **SYPHILIS**

### SYRIA

GS NATIONS  
    . **SYRIA**  
RT ASIA

### SYRINGES

GS LABORATORY EQUIPMENT  
    **SYRINGES**  
    MEDICAL EQUIPMENT  
    . **SYRINGES**  
RT BULBS  
    ∞ EQUIPMENT  
    FLUID FLOW  
    PIPES (TUBES)  
    TRANSFUSION

## SYSTEMS

### SYSTEM EFFECTIVENESS

- GS EFFECTIVENESS
- RT . SYSTEM EFFECTIVENESS
- MODULATION TRANSFER FUNCTION
- OPTICAL TRANSFER FUNCTION
- RELIABILITY
- RELIABILITY ENGINEERING
- ∞ SYSTEMS
- SYSTEMS ENGINEERING
- SYSTEMS INTEGRATION

### SYSTEM FAILURES

- GS FAILURE
- RT . SYSTEM FAILURES
- ∞ BREAKDOWN
- DETERIORATION
- DOWNTIME
- FATIGUE (MATERIALS)
- MALFUNCTIONS
- SHORT CIRCUITS
- STRUCTURAL FAILURE
- STRUCTURAL STRAIN
- ∞ SYSTEMS
- WEAR

### SYSTEM GENERATED ELECTROMAGNETIC PULSES

- UF SGEMP
- GS ELECTROMAGNETIC FIELDS
- . SYSTEM GENERATED
- ELECTROMAGNETIC PULSES
- ELECTROMAGNETIC RADIATION
- . ELECTROMAGNETIC PULSES
- . . SYSTEM GENERATED
- ELECTROMAGNETIC PULSES
- PULSED RADIATION
- . ELECTROMAGNETIC PULSES
- . . SYSTEM GENERATED
- ELECTROMAGNETIC PULSES
- PULSES
- . ELECTROMAGNETIC PULSES
- . . SYSTEM GENERATED
- ELECTROMAGNETIC PULSES
- RT ELECTRIC CURRENT
- ELECTRIC PULSES
- ELECTROMAGNETIC INTERFERENCE
- ELECTRONIC EQUIPMENT
- EXTERNAL SURFACE CURRENTS
- EXTRATERRESTRIAL RADIATION
- IONIZING RADIATION
- PLASMA SHEATHS
- SATELLITE COMMUNICATION
- SPACECRAFT CHARGING
- SPACECRAFT COMMUNICATION
- X RAYS

### SYSTEM IDENTIFICATION

- GS ESTIMATING
- . SYSTEM IDENTIFICATION
- IDENTIFYING
- . SYSTEM IDENTIFICATION
- SYSTEMS ANALYSIS
- . SYSTEM IDENTIFICATION
- RT COMPLEX SYSTEMS
- CONTROL SYSTEMS DESIGN
- DYNAMIC RESPONSE
- ESTIMATES
- FUZZY SYSTEMS
- MATHEMATICAL MODELS
- MAXIMUM LIKELIHOOD ESTIMATES
- OBSERVABILITY (SYSTEMS)
- OPTIMIZATION
- PARAMETER IDENTIFICATION
- PARAMETERIZATION
- PREDICTION ANALYSIS TECHNIQUES
- PROBABILITY THEORY
- RELIABILITY ENGINEERING
- STATISTICAL ANALYSIS
- STEEPEST DESCENT METHOD
- ∞ SYSTEMS
- SYSTEMS ENGINEERING

### SYSTEM 10 COMPUTER

- USE PDP 10 COMPUTER

### ∞ SYSTEMS

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT ADVANCED VIDICON CAMERA SYSTEM (AVCS)
- AEROSPACE SYSTEMS
- AFFERENT NERVOUS SYSTEMS
- AFRICAN RIFT SYSTEM
- AIR CUSHION LANDING SYSTEMS

### SYSTEMS-(CONT.)

- AIRBORNE INTEGRATED
- RECONNAISSANCE SYSTEM
- AIRCRAFT FUEL SYSTEMS
- AIRCRAFT HYDRAULIC SYSTEMS
- ALL-WEATHER LANDING SYSTEMS
- ALOHA SYSTEM
- ANNULAR SUSPENSION AND POINTING SYSTEM
- APOLLO EXTENSION SYSTEM
- ASCENT PROPULSION SYSTEMS
- ASTROGUIDE NAVIGATION SYSTEM
- ATMOSPHERIC & OCEANOGRAPHIC INFORM SYS
- AUTOMATED PILOT ADVISORY SYSTEM
- AUTOMATED RADAR TERMINAL SYSTEM
- AUTOMATIC TRAFFIC ADVISORY AND RESOLUTION
- AUTONOMIC NERVOUS SYSTEM
- BALLISTIC MISSILE EARLY WARNING SYSTEM
- BEACON COLLISION AVOIDANCE SYSTEM
- BINARY SYSTEMS (MATERIALS)
- BIOASTRONAUTICAL ORBITAL SPACE SYSTEM
- BIOCONTROL SYSTEMS
- CARDIOVASCULAR SYSTEM
- CELESTIAL REFERENCE SYSTEMS
- CENTRAL ELECTRONIC MANAGEMENT SYSTEM
- CENTRAL NERVOUS SYSTEM
- CENTRAL NERVOUS SYSTEM DEPRESSANTS
- CENTRAL NERVOUS SYSTEM STIMULANTS
- CHOKES (FUEL SYSTEMS)
- CLOSED ECOLOGICAL SYSTEMS
- COMPLEX SYSTEMS
- COMPUTER SYSTEMS DESIGN
- COMPUTER SYSTEMS PERFORMANCE
- COMPUTER SYSTEMS PROGRAMS
- COMPUTER SYSTEMS SIMULATION
- COOLING SYSTEMS
- CYBERNETICS
- DATA BASE MANAGEMENT SYSTEMS
- DATA SYSTEMS
- DEFENSE COMMUNICATIONS SATELLITE SYSTEM
- DEFENSE COMMUNICATIONS SYSTEM (DCS)
- DESCENT PROPULSION SYSTEMS
- DIGESTIVE SYSTEM
- DIGITAL COMMAND SYSTEMS
- DIGITAL SYSTEMS
- DISCRETE ADDRESS BEACON SYSTEM
- DISPLAY DEVICES
- DISTRIBUTED PARAMETER SYSTEMS
- DOMESTIC SATELLITE COMMUNICATIONS SYSTEMS
- EARLY WARNING SYSTEMS
- EARTH RESOURCES INFORMATION SYSTEM
- EARTH TERMINAL MEASUREMENT SYSTEM
- EARTH-MOON SYSTEM
- ECOSYSTEMS
- EFFERENT NERVOUS SYSTEMS
- EISCAT RADAR SYSTEM (EUROPE)
- ∞ ELASTIC SYSTEMS
- ELECTRONIC RECORDING SYSTEMS
- EMERGENCY LIFE SUSTAINING SYSTEMS
- END-TO-END DATA SYSTEMS
- ENDOCRINE SYSTEMS
- ESCAPE SYSTEMS
- EXHAUST SYSTEMS
- FAIL-SAFE SYSTEMS
- FEED SYSTEMS
- FEEDBACK
- FLEET SATELLITE COMMUNICATION SYSTEM
- FUEL SYSTEMS
- FUZZY SYSTEMS
- GASTROINTESTINAL SYSTEM
- GENITOURINARY SYSTEM
- GLOBAL POSITIONING SYSTEM
- GODDARD TRAJECTORY DETERMINATION SYSTEM
- GROUND OPERATIONAL SUPPORT SYSTEM
- GROUND SUPPORT SYSTEMS
- GUIDANCE (MOTION)
- HARDENING (SYSTEMS)
- HEMATOPOIETIC SYSTEM
- HYBRID NAVIGATION SYSTEMS

### SYSTEMS-(CONT.)

- HYDRAULIC EQUIPMENT
- HYDROPLANES (SURFACES)
- HYDROTHERMAL SYSTEMS
- ∞ HYPERBOLIC SYSTEMS
- IFF SYSTEMS (IDENTIFICATION)
- IGNITION SYSTEMS
- IMLSS
- INERTIAL REFERENCE SYSTEMS
- INFORMATION ADAPTIVE SYSTEM
- INFORMATION SYSTEMS
- INSTRUMENT LANDING SYSTEMS
- INTAKE SYSTEMS
- INTEGRATED ENERGY SYSTEMS
- INTEGRATED GLOBAL OCEAN STATION SYSTEMS
- INTERNATIONAL SYSTEM OF UNITS
- INTRAVASCULAR SYSTEM
- JETTISON SYSTEMS
- LAUNCH ESCAPE SYSTEMS
- LIFE SUPPORT SYSTEMS
- LIGHT AIRBORNE MULTIPURPOSE SYSTEM
- LINEAR SYSTEMS
- LOCATES SYSTEM
- LORAC NAVIGATION SYSTEM
- LUBRICATION SYSTEMS
- LUMPED PARAMETER SYSTEMS
- LUNAR EXPLORATION SYSTEM FOR APOLLO
- MAN MACHINE SYSTEMS
- MAN OPERATED PROPULSION SYSTEMS
- MANAGEMENT INFORMATION SYSTEMS
- MANAGEMENT SYSTEMS
- METAL-GAS SYSTEMS
- METHOXY SYSTEMS
- MICROWAVE LANDING SYSTEMS
- MICROWAVE SCANNING BEAM LANDING SYSTEM
- MINITRACK SYSTEM
- MIROS SYSTEM
- MISSILE SYSTEMS
- MODULAR INTEGRATED UTILITY SYSTEM
- MUSCULOSKELETAL SYSTEM
- NASA INTERACTIVE PLANNING SYSTEM
- NATIONAL AIRSPACE UTILIZATION SYSTEM
- NATIONAL AVIATION SYSTEM
- NATIONAL OCEANIC SATELLITE SYSTEM
- NAVIGATION
- NEEDS (DATA SYSTEM)
- NERVOUS SYSTEM
- NIKE X SYSTEMS
- NOESS
- NONLINEAR SYSTEMS
- NOVA LASER SYSTEM
- OBSERVABILITY (SYSTEMS)
- OMEGA NAVIGATION SYSTEM
- ON-LINE SYSTEMS
- OPERATING SYSTEMS (COMPUTERS)
- OPTICAL RELAY SYSTEMS
- PAYLOAD DEPLOYMENT & RETRIEVAL SYSTEM
- PERIPHERAL NERVOUS SYSTEM
- PHASE LOCKED SYSTEMS
- PIGGYBACK SYSTEMS
- PLANETARY SYSTEMS
- PLAT SYSTEM
- PNEUMATIC EQUIPMENT
- POINTING CONTROL SYSTEMS
- POLYSTATION DOPPLER TRACKING SYSTEM
- PORTABLE LIFE SUPPORT SYSTEMS
- POST BOOST PROPULSION SYSTEM
- PROPULSION SYSTEM CONFIGURATIONS
- PROPULSION SYSTEM PERFORMANCE
- PUBLIC ADDRESS SYSTEMS
- QUALITY CONTROL
- RADIO RELAY SYSTEMS
- RANGER BLOCK 3 TELEVISION SYSTEM
- RAPID TRANSIT SYSTEMS
- ∞ REFERENCE SYSTEMS
- REMOTE MANIPULATOR SYSTEM
- REPRODUCTIVE SYSTEMS
- RESPIRATORY SYSTEM
- ROTOR SYSTEMS RESEARCH AIRCRAFT
- SAFEGUARD SYSTEM
- SAGE AIR DEFENSE SYSTEM
- SATELLITE NAVIGATION SYSTEMS
- SELF ADAPTIVE CONTROL SYSTEMS
- SELF ORGANIZING SYSTEMS
- SENTINEL SYSTEM
- SHIVA LASER SYSTEM
- SNAP
- SOLAR SYSTEM
- SOLAR TOTAL ENERGY SYSTEMS

## SYSTEMS ANALYSIS

### SYSTEMS-(CONT.)

SPACE DETECTION AND TRACKING SYSTEM  
SPACE TRANSPORTATION SYSTEM  
SPACE TRANSPORTATION SYSTEM FLIGHTS  
SUNFLOWER POWER SYSTEM  
SUPPORT SYSTEMS  
SUSPENSION SYSTEMS (VEHICLES)  
SYMPATHETIC NERVOUS SYSTEM  
SYSTEM EFFECTIVENESS  
SYSTEM FAILURES  
SYSTEM IDENTIFICATION  
SYSTEMS ANALYSIS  
SYSTEMS ENGINEERING  
SYSTEMS INTEGRATION  
SYSTEMS MANAGEMENT  
SYSTEMS SIMULATION  
SYSTEMS STABILITY  
TELECOMMUNICATION  
TELEGRAPH SYSTEMS  
TELETYPEWRITER SYSTEMS  
TELEVISION SYSTEMS  
TERCOM  
TERNARY SYSTEMS  
TIROS OPERATIONAL SATELLITE SYSTEM  
TOTAL ENERGY SYSTEMS  
TRADEX RADAR SYSTEM  
TRANSCONTINENTAL SYSTEMS  
TRANSFER FUNCTIONS  
TRANSOCEANIC SYSTEMS  
TYPHON WEAPON SYSTEM  
VACUUM SYSTEMS  
VARIABLE MASS SYSTEMS  
VORTEX ADVISORY SYSTEM  
WARNING SYSTEMS  
WEAPON SYSTEM MANAGEMENT  
WEAPON SYSTEMS

### SYSTEMS ANALYSIS

GS SYSTEMS ANALYSIS  
SYSTEM IDENTIFICATION  
RT ANALYZING  
BLOCK DIAGRAMS  
BOND GRAPHS  
COMPLEX SYSTEMS  
COMPUTER PROGRAMMING  
COMPUTER SYSTEMS PROGRAMS  
COMPUTER SYSTEMS SIMULATION  
CONTROL SYSTEMS DESIGN  
FEASIBILITY ANALYSIS  
FUZZY SYSTEMS  
MAN MACHINE SYSTEMS  
MATHEMATICAL MODELS  
MODULATION TRANSFER FUNCTION  
OBSERVABILITY (SYSTEMS)  
OPERATING COSTS  
OPERATIONS RESEARCH  
OPTICAL TRANSFER FUNCTION  
PARAMETER IDENTIFICATION  
PREFLIGHT ANALYSIS  
PROCEDURES  
PROGRAM VERIFICATION (COMPUTERS)  
SIMULATION  
SOCIOLOGY  
STATISTICAL ANALYSIS  
SYSTEMS  
TRAJECTORY ANALYSIS  
WEIGHT ANALYSIS  
WEIGHT REDUCTION

### SYSTEMS COMPATIBILITY

GS COMPATIBILITY  
SYSTEMS COMPATIBILITY  
RT RELIABILITY  
RELIABILITY ENGINEERING

### SYSTEMS DESIGN

USE SYSTEMS ENGINEERING

### SYSTEMS ENGINEERING

UF SYSTEMS DESIGN  
GS SYSTEMS ENGINEERING  
COMPUTER SYSTEMS DESIGN  
CONTROL SYSTEMS DESIGN  
RT AEROSPACE SYSTEMS  
AIRCRAFT DESIGN  
AUTOMATION  
BIONICS  
BOND GRAPHS  
COMMUNICATING  
CONTRACT MANAGEMENT  
CONTROL  
CRITICAL PATH METHOD

### SYSTEMS ENGINEERING-(CONT.)

CYBERNETICS  
DATA PROCESSING  
DECISION MAKING  
DECISION THEORY  
DESIGN  
ELECTRICAL ENGINEERING  
ENGINEERING  
EXPERIMENT DESIGN  
FLIGHT MANAGEMENT SYSTEMS  
FORECASTING  
FUNCTIONAL DESIGN SPECIFICATIONS  
HUMAN FACTORS ENGINEERING  
INFORMATION THEORY  
LIFE CYCLE COSTS  
MAN MACHINE SYSTEMS  
MANAGEMENT  
MANAGEMENT PLANNING  
MATHEMATICAL MODELS  
MECHANIZATION  
MISSILE DESIGN  
MODULARITY  
OBSERVABILITY (SYSTEMS)  
OPERATIONAL PROBLEMS  
OPERATIONS  
OPERATIONS RESEARCH  
OPTICAL TRANSFER FUNCTION  
ORBIT SPECTRUM UTILIZATION  
PARAMETER IDENTIFICATION  
RELIABILITY  
RELIABILITY ENGINEERING  
RESEARCH AND DEVELOPMENT  
SATELLITE DESIGN  
SOFTWARE ENGINEERING  
SPACECRAFT DESIGN  
STATISTICAL ANALYSIS  
STATISTICS  
SYNTHESIS  
SYNTHESIS (CHEMISTRY)  
SYSTEM EFFECTIVENESS  
SYSTEM IDENTIFICATION  
SYSTEMS INTEGRATION

### SYSTEMS FOR NUCLEAR AUXILIARY POWER

USE SNAP

### SYSTEMS INTEGRATION

RT AIRBORNE/SPACEBORNE COMPUTERS  
AVIONICS  
CONTROL SYSTEMS DESIGN  
DIGITAL SYSTEMS  
SYSTEM EFFECTIVENESS  
SYSTEMS  
SYSTEMS ENGINEERING  
SYSTEMS SIMULATION

### SYSTEMS MANAGEMENT

GS MANAGEMENT  
SYSTEMS MANAGEMENT  
RT INDUSTRIAL MANAGEMENT  
INFORMATION SYSTEMS  
MAN MACHINE SYSTEMS  
MANAGEMENT METHODS  
OPERATIONS RESEARCH

### SYSTEMS SIMULATION

GS SIMULATION  
SYSTEMS SIMULATION  
RT ANALOG SIMULATION  
COMPUTERIZED SIMULATION  
DYNAMIC MODELS  
DYNAMICAL SYSTEMS  
FLIGHT SIMULATION  
MATHEMATICAL MODELS  
MODEL REFERENCE ADAPTIVE CONTROL  
OPERATIONS RESEARCH  
SYSTEMS  
SYSTEMS INTEGRATION

### SYSTEMS STABILITY

GS STABILITY  
SYSTEMS STABILITY  
RT CONTROL STABILITY  
DYNAMIC STABILITY  
EQUATIONS OF MOTION  
EQUILIBRIUM  
FLOW STABILITY  
SYSTEMS  
UNSTEADY STATE

### SYSTOLE

GS HEART FUNCTION  
SYSTOLE  
RATES (PER TIME)

### SYSTOLE-(CONT.)

SYSTOLE  
RT BLOOD FLOW  
BLOOD PRESSURE  
CARDIAC VENTRICLES  
CARDIOVASCULAR SYSTEM  
DIASTOLE  
HEART RATE  
SYSTOLIC PRESSURE

### SYSTOLIC ARRAYS

GS ARRAYS  
SYSTOLIC ARRAYS  
RT ALGORITHMS  
ARCHITECTURE (COMPUTERS)  
CHIPS (ELECTRONICS)  
COMPUTATION  
PARALLEL PROCESSING (COMPUTERS)  
VERY LARGE SCALE INTEGRATION

### SYSTOLIC PRESSURE

GS PRESSURE  
BLOOD PRESSURE  
SYSTOLIC PRESSURE  
RT SYSTOLE

## T

### T SHAPE

UF TEE  
GS SHAPES  
T SHAPE  
RT BEAMS (SUPPORTS)

### T TAIL SURFACES

GS TAIL SURFACES  
T TAIL SURFACES  
RT CONTROL SURFACES  
STABILIZERS (FLUID DYNAMICS)  
SURFACES  
SWEEPBACK TAIL SURFACES  
TAIL ASSEMBLIES

### T TAURI STARS

GS CELESTIAL BODIES  
STARS  
PROTOSTARS  
PRE-MAIN SEQUENCE STARS  
T TAURI STARS  
VARIABLE STARS  
T TAURI STARS  
RT HERBIG-HARO OBJECTS  
STAR FORMATION  
TAURUS CONSTELLATION

### T-2 AIRCRAFT

UF BUCKEYE AIRCRAFT  
T2J AIRCRAFT  
YT-2 AIRCRAFT  
GS ATTACK AIRCRAFT  
T-2 AIRCRAFT  
JET AIRCRAFT  
T-2 AIRCRAFT  
MONOPLANES  
T-2 AIRCRAFT  
NORTH AMERICAN AIRCRAFT  
T-2 AIRCRAFT  
SINGLE ENGINE AIRCRAFT  
T-2 AIRCRAFT  
TRAINING AIRCRAFT  
T-2 AIRCRAFT  
RT AIRCRAFT

### T-28 AIRCRAFT

UF TROJAN AIRCRAFT  
GS MONOPLANES  
T-28 AIRCRAFT  
NORTH AMERICAN AIRCRAFT  
T-28 AIRCRAFT  
SINGLE ENGINE AIRCRAFT  
T-28 AIRCRAFT  
TRAINING AIRCRAFT  
T-28 AIRCRAFT  
RT AIRCRAFT

### T-33 AIRCRAFT

UF F-80 AIRCRAFT  
SHOOTING STAR AIRCRAFT  
GS JET AIRCRAFT  
T-33 AIRCRAFT  
LOCKHEED AIRCRAFT

## TABS (CONTROL SURFACES)

### T-33 AIRCRAFT-(CONT.)

. T-33 AIRCRAFT  
MONOPLANES  
. T-33 AIRCRAFT  
SINGLE ENGINE AIRCRAFT  
. T-33 AIRCRAFT  
TRAINING AIRCRAFT  
. T-33 AIRCRAFT  
RT ∞ AIRCRAFT

### T-34 ENGINE

GS AIRCRAFT ENGINES  
. T-34 ENGINE  
ENGINES  
. INTERNAL COMBUSTION ENGINES  
. GAS TURBINE ENGINES  
. JET ENGINES  
. TURBOJET ENGINES  
. TURBOPROP ENGINES  
. T-34 ENGINE  
. TURBINE ENGINES  
. GAS TURBINE ENGINES  
. JET ENGINES  
. TURBOJET ENGINES  
. TURBOPROP ENGINES  
. T-34 ENGINE  
RT C-133 AIRCRAFT

### T-37 AIRCRAFT

GS CESSNA AIRCRAFT  
. T-37 AIRCRAFT  
JET AIRCRAFT  
. T-37 AIRCRAFT  
MONOPLANES  
. T-37 AIRCRAFT  
TRAINING AIRCRAFT  
. T-37 AIRCRAFT  
RT A-37 AIRCRAFT  
∞ AIRCRAFT

### T-38 AIRCRAFT

UF TALON AIRCRAFT  
GS JET AIRCRAFT  
. T-38 AIRCRAFT  
MONOPLANES  
. T-38 AIRCRAFT  
NORTHROP AIRCRAFT  
. T-38 AIRCRAFT  
SUPERSONIC AIRCRAFT  
. T-38 AIRCRAFT  
TRAINING AIRCRAFT  
. T-38 AIRCRAFT  
RT ∞ AIRCRAFT

### T-38 ENGINE

GS AIRCRAFT ENGINES  
. T-38 ENGINE  
ENGINES  
. INTERNAL COMBUSTION ENGINES  
. GAS TURBINE ENGINES  
. JET ENGINES  
. TURBOJET ENGINES  
. TURBOPROP ENGINES  
. T-38 ENGINE  
. TURBINE ENGINES  
. GAS TURBINE ENGINES  
. JET ENGINES  
. TURBOJET ENGINES  
. TURBOPROP ENGINES  
. T-38 ENGINE

### T-39 AIRCRAFT

UF SABRELINER AIRCRAFT  
T3J AIRCRAFT  
GS JET AIRCRAFT  
. T-39 AIRCRAFT  
MONOPLANES  
. T-39 AIRCRAFT  
NORTH AMERICAN AIRCRAFT  
. T-39 AIRCRAFT  
PASSENGER AIRCRAFT  
. T-39 AIRCRAFT  
TRAINING AIRCRAFT  
. T-39 AIRCRAFT  
UTILITY AIRCRAFT  
. T-39 AIRCRAFT  
RT ∞ AIRCRAFT  
CARGO AIRCRAFT

### T-53 ENGINE

GS ENGINES  
. AIR BREATHING ENGINES  
. GAS TURBINE ENGINES  
. JET ENGINES  
. TURBOJET ENGINES

### T-53 ENGINE-(CONT.)

. . . . . TURBOPROP ENGINES  
. . . . . T-53 ENGINE  
. . . . . INTERNAL COMBUSTION ENGINES  
. . . . . GAS TURBINE ENGINES  
. . . . . JET ENGINES  
. . . . . TURBOJET ENGINES  
. . . . . TURBOPROP ENGINES  
. . . . . T-53 ENGINE  
. . . . . TURBINE ENGINES  
. . . . . GAS TURBINE ENGINES  
. . . . . JET ENGINES  
. . . . . TURBOJET ENGINES  
. . . . . TURBOPROP ENGINES  
. . . . . T-53 ENGINE  
RT HELICOPTER ENGINES

### T-55 ENGINE

GS AIRCRAFT ENGINES  
. T-55 ENGINE  
RT HELICOPTER ENGINES

### T-56 ENGINE

GS ENGINES  
. AIR BREATHING ENGINES  
. GAS TURBINE ENGINES  
. JET ENGINES  
. TURBOJET ENGINES  
. TURBOPROP ENGINES  
. T-56 ENGINE  
. INTERNAL COMBUSTION ENGINES  
. GAS TURBINE ENGINES  
. JET ENGINES  
. TURBOJET ENGINES  
. TURBOPROP ENGINES  
. T-56 ENGINE  
. TURBINE ENGINES  
. GAS TURBINE ENGINES  
. JET ENGINES  
. TURBOJET ENGINES  
. TURBOPROP ENGINES  
. T-56 ENGINE  
RT C-130 AIRCRAFT

### T-58 ENGINE

GS ENGINES  
. INTERNAL COMBUSTION ENGINES  
. GAS TURBINE ENGINES  
. T-58 ENGINE  
. TURBINE ENGINES  
. GAS TURBINE ENGINES  
. T-58 ENGINE  
RT AIRCRAFT ENGINES  
HELICOPTER ENGINES  
VERTICAL TAKEOFF AIRCRAFT

### T-58-GE-8B ENGINE

GS ENGINES  
. AIR BREATHING ENGINES  
. GAS TURBINE ENGINES  
. T-58-GE-8B ENGINE  
. INTERNAL COMBUSTION ENGINES  
. GAS TURBINE ENGINES  
. T-58-GE-8B ENGINE  
. TURBINE ENGINES  
. GAS TURBINE ENGINES  
. T-58-GE-8B ENGINE  
RT AIRCRAFT ENGINES  
HELICOPTER ENGINES  
VERTICAL TAKEOFF AIRCRAFT

### T-63 ENGINE

GS AIRCRAFT ENGINES  
. T-63 ENGINE  
ENGINES  
. INTERNAL COMBUSTION ENGINES  
. GAS TURBINE ENGINES  
. JET ENGINES  
. T-63 ENGINE  
. TURBINE ENGINES  
. GAS TURBINE ENGINES  
. JET ENGINES  
. T-63 ENGINE  
RT HELICOPTER ENGINES

### T-64 ENGINE

GS ENGINES  
. AIR BREATHING ENGINES  
. GAS TURBINE ENGINES  
. JET ENGINES  
. TURBOJET ENGINES  
. TURBOPROP ENGINES  
. T-64 ENGINE  
. INTERNAL COMBUSTION ENGINES  
. GAS TURBINE ENGINES

### T-64 ENGINE-(CONT.)

. . . . . JET ENGINES  
. . . . . TURBOJET ENGINES  
. . . . . TURBOPROP ENGINES  
. . . . . T-64 ENGINE  
. . . . . TURBINE ENGINES  
. . . . . GAS TURBINE ENGINES  
. . . . . JET ENGINES  
. . . . . TURBOJET ENGINES  
. . . . . TURBOPROP ENGINES  
. . . . . T-64 ENGINE  
RT HELICOPTER ENGINES

### T-74 ENGINE

GS ENGINES  
. AIR BREATHING ENGINES  
. GAS TURBINE ENGINES  
. JET ENGINES  
. TURBOJET ENGINES  
. TURBOPROP ENGINES  
. T-74 ENGINE  
. INTERNAL COMBUSTION ENGINES  
. GAS TURBINE ENGINES  
. JET ENGINES  
. TURBOJET ENGINES  
. TURBOPROP ENGINES  
. T-74 ENGINE  
. TURBINE ENGINES  
. GAS TURBINE ENGINES  
. JET ENGINES  
. TURBOJET ENGINES  
. TURBOPROP ENGINES  
. T-74 ENGINE  
RT HELICOPTER ENGINES

### T-76 ENGINE

GS AIRCRAFT ENGINES  
. T-76 ENGINE  
ENGINES  
. INTERNAL COMBUSTION ENGINES  
. GAS TURBINE ENGINES  
. JET ENGINES  
. T-76 ENGINE  
. TURBINE ENGINES  
. GAS TURBINE ENGINES  
. JET ENGINES  
. T-76 ENGINE  
RT HELICOPTER ENGINES

### T-78 ENGINE

GS AIRCRAFT ENGINES  
. T-78 ENGINE  
ENGINES  
. INTERNAL COMBUSTION ENGINES  
. GAS TURBINE ENGINES  
. JET ENGINES  
. TURBOJET ENGINES  
. TURBOPROP ENGINES  
. T-78 ENGINE  
. TURBINE ENGINES  
. GAS TURBINE ENGINES  
. JET ENGINES  
. TURBOJET ENGINES  
. TURBOPROP ENGINES  
. T-78 ENGINE

### TABLES (DATA)

GS TABLES (DATA)  
. CONVERSION TABLES  
. INTERFERENCE FACTOR TABLE  
. MATHEMATICAL TABLES  
RT AIR DATA SYSTEMS  
ASTRONOMICAL CATALOGS  
∞ DATA  
DATA ACQUISITION  
DATA MANAGEMENT  
DATA PROCESSING  
DATA RECORDING  
DATA REDUCTION  
DATA RETRIEVAL  
PRINTOUTS  
STATISTICAL ANALYSIS  
∞ STATISTICS  
∞ TABULATION  
TABULATION PROCESSES

### TABLETS

RT BRIQUETS  
∞ CAPSULES  
MOLDS

### TABS (CONTROL SURFACES)

GS AIRFOILS  
. TABS (CONTROL SURFACES)  
CONTROL SURFACES

## TABULATING

### TABS (CONTROL SURFACES)-(CONT.)

- RT AERIAL RUDDERS
- AILERONS
- ∞ CONTROL
- ELEVATORS (CONTROL SURFACES)
- ELEVONS
- RUDDERS
- STABILIZERS (FLUID DYNAMICS)
- ∞ SURFACES

### TABULATING

- USE TABULATION PROCESSES

### ∞ TABULATION

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT TABLES (DATA)
- TABULATION PROCESSES

### TABULATION PROCESSES

- UF TABULATING
- RT DATA PROCESSING
- DATA RECORDING
- TABLES (DATA)
- ∞ TABULATION

### TACAN

- UF TACTICAL AIR NAVIGATION
- GS NAVIGATION
- RADIO NAVIGATION
- ∞ TACAN
- RT AIR NAVIGATION
- ALL-WEATHER AIR NAVIGATION
- FLIGHT PATHS
- NAVIGATION AIDS
- RADAR NAVIGATION
- SOLAR COMPASSES

### TACHISTOSCOPES

- RT VISUAL PERCEPTION

### TACHOMETERS

- GS DISPLAY DEVICES
- SPEED INDICATORS
- ∞ TACHOMETERS
- MEASURING INSTRUMENTS
- INDICATING INSTRUMENTS
- ∞ SPEED INDICATORS
- ∞ TACHOMETERS
- RT AIRCRAFT INSTRUMENTS
- ANGULAR VELOCITY
- TIMING DEVICES
- VELOCITY MEASUREMENT

### TACHYCARDIA

- GS DISEASES
- TACHYCARDIA
- RATES (PER TIME)
- HEART RATE
- ∞ TACHYCARDIA

### TACHYONS

- GS PARTICLES
- ELEMENTARY PARTICLES
- ∞ TACHYONS

### TACHYPNEA

- GS RATES (PER TIME)
- RESPIRATORY RATE
- ∞ TACHYPNEA

### TACKINESS

- RT ADHESION

### TACT PROGRAM

- UF TRANSONIC AIRCRAFT TECHNOLOGY
- PROGRAM
- GS PROGRAMS
- NASA PROGRAMS
- ∞ TACT PROGRAM
- RT ∞ AERONAUTICS
- ∞ AIRCRAFT

### TACTICAL AIR NAVIGATION

- USE TACAN

### TACTICS

- RT ATTACKING (ASSAULTING)
- DEPLOYMENT
- EVASIVE ACTIONS
- MILITARY OPERATIONS
- MILITARY TECHNOLOGY

### TACTICS-(CONT.)

- OBSTACLE AVOIDANCE

### TACTILE DISCRIMINATION

- GS DISCRIMINATION
- SENSORY DISCRIMINATION
- ∞ TACTILE DISCRIMINATION
- PERCEPTION
- SENSORY PERCEPTION
- TOUCH
- ∞ TACTILE DISCRIMINATION

### TACTILE SENSATION

- USE TOUCH

### TAFEL LAW

- GS LAWS
- TAFEL LAW
- RT ELECTRODES
- ELECTROLYSIS
- FICKS EQUATION
- POLARIZATION (CHARGE SEPARATION)

### TAGGING

- USE MARKING

### TAGN

- UF TRIAMINO GUANIDINENITRATE
- GS OXIDIZERS
- ROCKET OXIDIZERS
- ∞ TAGN
- PROPELLANTS
- ROCKET PROPELLANTS
- ∞ TAGN
- RT EXPLOSIVES

### TAIL ASSEMBLIES

- UF EMPENNAGE
- TAIL MOUNTINGS
- TAILS (ASSEMBLIES)
- VERTICAL TAILS
- GS ASSEMBLIES
- ∞ TAIL ASSEMBLIES
- ∞ SWING TAIL ASSEMBLIES
- RT AERIAL RUDDERS
- AFTERBODIES
- AIRCRAFT PARTS
- AIRCRAFT STRUCTURES
- AIRFOILS
- AIRFRAMES
- BOATTAILS
- BODY-WING AND TAIL CONFIGURATIONS
- ∞ BOOM
- CONTROL SURFACES
- ELEVATORS (CONTROL SURFACES)
- FINS
- HORIZONTAL TAIL SURFACES
- HYDROFOILS
- MARINE RUDDERS
- MISSILE STRUCTURES
- RUDDERS
- SAILS
- STABILIZERS (FLUID DYNAMICS)
- T TAIL SURFACES
- VANES

### TAIL MOUNTINGS

- USE TAIL ASSEMBLIES

### TAIL PLANES

- USE HORIZONTAL TAIL SURFACES

### TAIL ROTORS

- GS ROTATING BODIES
- ROTORS
- ∞ TAIL ROTORS
- ∞ HELICOPTER TAIL ROTORS
- RT HELICOPTER CONTROL
- ROTARY WINGS
- ∞ ROTOR BLADES

### TAIL SURFACES

- GS TAIL SURFACES
- HORIZONTAL TAIL SURFACES
- SWEPTBACK TAIL SURFACES
- T TAIL SURFACES
- TRAPEZOIDAL TAIL SURFACES
- RT CONTROL SURFACES
- ELEVATORS (CONTROL SURFACES)
- RUDDERS
- STABILIZERS (FLUID DYNAMICS)
- ∞ SURFACES

### TAILLESS AIRCRAFT

- UF FLYING WING AIRCRAFT
- GS TAILLESS AIRCRAFT
- AVRO 707 AIRCRAFT
- B-58 AIRCRAFT
- F-102 AIRCRAFT
- F-106 AIRCRAFT
- FD 2 AIRCRAFT
- HP-115 AIRCRAFT
- MIRAGE 3 AIRCRAFT
- SC-1 AIRCRAFT
- VULCAN AIRCRAFT
- RT ∞ AIRCRAFT
- JET AIRCRAFT
- ∞ LOW WING AIRCRAFT
- ∞ MILITARY AIRCRAFT
- MONOPLANES
- RESEARCH AIRCRAFT

### TAILORING

- USE DESIGN

### TAILS (ASSEMBLIES)

- USE TAIL ASSEMBLIES

### TAIWAN

- UF REPUBLIC OF CHINA
- GS NATIONS
- TAIWAN
- RT ASIA
- CHINA
- CHINESE SPACE PROGRAM
- CHINESE SPACECRAFT
- HONG KONG

### TAKEOFF

- GS TAKEOFF
- VERTICAL TAKEOFF
- RT AIR TRAFFIC CONTROL
- AIRCRAFT LANDING
- ASCENT
- CLIMBING FLIGHT
- JATO ENGINES
- LANDING
- MANEUVERS
- RUNWAYS

### TAKEOFF RUNS

- RT AIRCRAFT PERFORMANCE
- DISTANCE
- RUNWAY ALIGNMENT
- SHORT TAKEOFF AIRCRAFT

### TAKEOFF SYSTEMS

- USE AIRCRAFT LAUNCHING DEVICES

### TALC

- UF STEATITE
- GS MAGNESIUM COMPOUNDS
- TALC
- MINERALS
- TALC
- SILICON COMPOUNDS
- SILICATES
- ∞ SODIUM SILICATES
- ∞ TALC
- SODIUM COMPOUNDS
- SODIUM SILICATES
- ∞ TALC

### TALKING

- GS SPEECH
- TALKING
- ∞ WORDS (LANGUAGE)
- ∞ SYLLABLES
- RT SENTENCES
- SIGNAL TRANSMISSION

### TALON AIRCRAFT

- USE T-38 AIRCRAFT

### TALOS MISSILE

- GS MISSILES
- SURFACE TO AIR MISSILES
- ∞ TALOS MISSILE
- RT BUMBLEBEE PROJECT
- LIQUID PROPELLANT ROCKET ENGINES
- MULTISTAGE ROCKET VEHICLES
- SOLID PROPELLANT ROCKET ENGINES

### TANDEM MIRRORS

- GS MIRRORS
- MAGNETIC MIRRORS
- ∞ TANDEM MIRRORS

**TANDEM MIRRORS-(CONT.)**

RT FUSION REACTORS  
MIRROR FUSION  
PLASMA CONTROL  
THERMAL BARRIERS (PLASMA  
CONTROL)

**TANDEM ROTOR HELICOPTERS**

GS V/STOL AIRCRAFT  
. ROTARY WING AIRCRAFT  
. HELICOPTERS  
. . . **TANDEM ROTOR HELICOPTERS**  
. . . CH-46 HELICOPTER  
. . . CH-47 HELICOPTER  
. . . H-25 HELICOPTER  
RT ∞ AIRCRAFT

**TANDEM WING AIRCRAFT**

GS **TANDEM WING AIRCRAFT**  
. X-19 AIRCRAFT  
. X-22A AIRCRAFT  
RT ∞ AIRCRAFT  
BIPLANES  
CANARD CONFIGURATIONS  
DUAL WING CONFIGURATIONS  
JET AIRCRAFT  
JOINED WINGS  
RESEARCH AIRCRAFT  
∞ SUBSONIC AIRCRAFT  
X-22 AIRCRAFT

**TANGENTS**

GS ANALYSIS (MATHEMATICS)  
. REAL VARIABLES  
. PERIODIC FUNCTIONS  
. . . TRIGONOMETRIC FUNCTIONS  
. . . **TANGENTS**  
FUNCTIONS (MATHEMATICS)  
. TRANSCENDENTAL FUNCTIONS  
. PERIODIC FUNCTIONS  
. . . TRIGONOMETRIC FUNCTIONS  
. . . **TANGENTS**  
GEOMETRY  
. EUCLIDEAN GEOMETRY  
. ANALYTIC GEOMETRY  
. . . **TANGENTS**  
RT CHORDS (GEOMETRY)

**TANGLING**

RT CONFUSION  
ENTRAPMENT  
MIXING

**TANK GEOMETRY**

GS GEOMETRY  
. **TANK GEOMETRY**  
RT LIQUID SLOSHING  
PROPELLANT TANKS  
STORAGE TANKS  
TANKS (CONTAINERS)  
ULLAGE

**TANK TRUCKS**

GS SURFACE VEHICLES  
. MOTOR VEHICLES  
. TRUCKS  
. . . **TANK TRUCKS**  
RT ∞ TANKERS  
TRAILERS

**TANKER AIRCRAFT**

GS TRANSPORT AIRCRAFT  
. **TANKER AIRCRAFT**  
RT AIR TO AIR REFUELING  
∞ AIRCRAFT  
AIRCRAFT FUELS  
BOMBER AIRCRAFT  
FUEL TANKS  
∞ MILITARY AIRCRAFT  
∞ TANKERS  
VALIANT AIRCRAFT

**TANKER SHIPS**

GS SURFACE VEHICLES  
. CARGO SHIPS  
. **TANKER SHIPS**  
WATER VEHICLES  
. SHIPS  
. CARGO SHIPS  
. . . **TANKER SHIPS**  
RT ARTIFICIAL HARBORS  
DEEPWATER TERMINALS  
HARBORS  
MARINE TRANSPORTATION  
OFFSHORE DOCKING

**TANKER SHIPS-(CONT.)**

OFFSHORE PLATFORMS  
SHIPYARDS  
∞ TANKERS  
WHARVES

**TANKER TERMINALS**

RT ARTIFICIAL HARBORS  
CARGO SHIPS  
DEEPWATER TERMINALS  
MARINE TECHNOLOGY  
OCEANOGRAPHY  
OFFSHORE DOCKING  
OFFSHORE PLATFORMS  
SHIP TERMINALS  
∞ TANKERS  
TERMINAL FACILITIES  
TRANSPORTATION

**∞ TANKERS**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT ARTIFICIAL HARBORS  
DEEPWATER TERMINALS  
OFFSHORE DOCKING  
OFFSHORE PLATFORMS  
TANK TRUCKS  
TANKER AIRCRAFT  
TANKER SHIPS  
TANKER TERMINALS  
TRANSPORTATION ENERGY

**TANKS (COMBAT VEHICLES)**

GS SURFACE VEHICLES  
. **TANKS (COMBAT VEHICLES)**  
RT ARMED FORCES  
MILITARY OPERATIONS  
∞ MILITARY VEHICLES  
ORDNANCE  
∞ VEHICLES  
WEAPONS

**TANKS (CONTAINERS)**

GS **TANKS (CONTAINERS)**  
. BUNKERS (FUEL)  
. CYLINDRICAL TANKS  
. EXTERNAL TANKS  
. FUEL TANKS  
. . . WING TANKS  
. PROPELLANT TANKS  
. SPHERICAL TANKS  
. STORAGE TANKS  
RT BASINS (CONTAINERS)  
BOTTLES  
CHEMICAL REACTORS  
∞ CONTAINERS  
DRUMS (CONTAINERS)  
FLUID FILLED SHELLS  
LIQUID FILLED SHELLS  
MATERIALS HANDLING  
PIPE NOZZLES  
PRESSURE VESSELS  
RECEIVERS  
∞ STRUCTURES  
TANK GEOMETRY  
TOWERS  
WING-FUSELAGE STORES

**TANTALUM**

GS CHEMICAL ELEMENTS  
. **TANTALUM**  
. . . TANTALUM ISOTOPES  
METALS  
. REFRACTORY METALS  
. . . **TANTALUM**  
. . . TANTALUM ISOTOPES  
. TRANSITION METALS  
. . . **TANTALUM**  
. . . TANTALUM ISOTOPES  
REFRACTORY MATERIALS  
. REFRACTORY METALS  
. . . **TANTALUM**  
. . . TANTALUM ISOTOPES

**TANTALUM ALLOYS**

GS ALLOYS  
. HEAT RESISTANT ALLOYS  
. . . REFRACTORY METAL ALLOYS  
. . . **TANTALUM ALLOYS**  
REFRACTORY MATERIALS  
. REFRACTORY METAL ALLOYS  
. . . **TANTALUM ALLOYS**  
RT HAFNIUM ALLOYS

**TANTALUM CARBIDES**

GS CARBON COMPOUNDS  
. CARBIDES  
. . . **TANTALUM CARBIDES**  
TANTALUM COMPOUNDS  
. **TANTALUM CARBIDES**

**TANTALUM COMPOUNDS**

GS **TANTALUM COMPOUNDS**  
. TANTALUM CARBIDES  
. TANTALUM NITRIDES  
. TANTALUM OXIDES  
RT ∞ CHEMICAL COMPOUNDS  
∞ GROUP 5B COMPOUNDS  
∞ METAL COMPOUNDS

**TANTALUM ISOTOPES**

GS CHEMICAL ELEMENTS  
. NUCLIDES  
. ISOTOPES  
. . . **TANTALUM ISOTOPES**  
TANTALUM  
. **TANTALUM ISOTOPES**  
METALS  
. REFRACTORY METALS  
. TANTALUM  
. . . **TANTALUM ISOTOPES**  
. TRANSITION METALS  
. TANTALUM  
. . . **TANTALUM ISOTOPES**  
REFRACTORY MATERIALS  
. REFRACTORY METALS  
. TANTALUM  
. . . **TANTALUM ISOTOPES**

**TANTALUM NITRIDES**

GS NITROGEN COMPOUNDS  
. NITRIDES  
. METAL NITRIDES  
. . . **TANTALUM NITRIDES**  
TANTALUM COMPOUNDS  
. **TANTALUM NITRIDES**

**TANTALUM OXIDES**

GS CHALCOGENIDES  
. OXIDES  
. . . METAL OXIDES  
. . . **TANTALUM OXIDES**  
TANTALUM COMPOUNDS  
. **TANTALUM OXIDES**

**TANZANIA**

GS NATIONS  
. **TANZANIA**  
RT AFRICA

**TAPE RECORDERS**

UF MAGNETIC TAPE RECORDERS  
RT DATA RECORDERS  
ELECTRONIC RECORDING SYSTEMS  
MAGNETIC TAPE TRANSPORTS  
MAGNETIC TAPES  
∞ RECORDERS  
RECORDING HEADS  
RECORDING INSTRUMENTS

**TAPER**

USE TAPERING

**TAPERED COLUMNS**

GS STRUCTURAL MEMBERS  
. COLUMNS (SUPPORTS)  
. . . **TAPERED COLUMNS**

**TAPERED WINGS**

USE SWEEP WINGS

**TAPERING**

UF TAPER  
RT CONVERGENCE  
DECELERATION  
∞ REDUCTION

**∞ TAPES**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT ADHESIVES  
COMPUTER COMPATIBLE TAPES  
FASTENERS  
HEAT TAPES  
MAGNETIC TAPES  
PLASTIC TAPES  
PLAYBACKS

## TAPS

### TAPES-(CONT.)

PUNCHED TAPES  
RIBBONS  
SEALS (STOPPERS)  
SPLICING

### TAPS

RT CUTTERS  
DRILLS  
MACHINE TOOLS  
TOOLS

### TAR SANDS

GS RESOURCES  
. EARTH RESOURCES  
. . . **TAR SANDS**  
SEDIMENTS  
. SANDS  
. . . **TAR SANDS**  
SOILS  
. SANDS  
. . . **TAR SANDS**  
RT DISTILLATION  
OIL EXPLORATION  
OIL FIELDS  
OILS  
TARS

### TARE (DATA REDUCTION)

USE DATA REDUCTION

### TARGET ACQUISITION

GS ACQUISITION  
. **TARGET ACQUISITION**  
RT DETECTION  
HIGH ALT TARGET AND BACKGROUND  
MEASUREMENT  
MATTS (SYSTEMS)  
MISSILE DETECTION  
MOVING TARGET INDICATORS  
SOUND RANGING  
SURVEILLANCE  
TARGETS

### TARGET DRONE AIRCRAFT

GS DRONE VEHICLES  
. DRONE AIRCRAFT  
. . . **TARGET DRONE AIRCRAFT**  
. . . FIREBEE 2 TARGET DRONE  
AIRCRAFT  
. . . JINDIVIK TARGET AIRCRAFT  
PILOTLESS AIRCRAFT  
. DRONE AIRCRAFT  
. . . **TARGET DRONE AIRCRAFT**  
. . . FIREBEE 2 TARGET DRONE  
AIRCRAFT  
. . . JINDIVIK TARGET AIRCRAFT  
RT  $\infty$  AIRCRAFT  
 $\infty$  MILITARY AIRCRAFT  
 $\infty$  REMOTELY PILOTED VEHICLES  
TARGETS

### TARGET MASKING

GS MASKING  
. **TARGET MASKING**  
RT COUNTERMEASURES  
TARGETS

### TARGET PENETRATION

USE TERMINAL BALLISTICS

### TARGET RECOGNITION

GS DETECTION  
. **TARGET RECOGNITION**  
RECOGNITION  
. . . **TARGET RECOGNITION**  
RT DISCRIMINATION  
LASER TARGET DESIGNATORS  
MISSILE DETECTION  
MISSILE SIGNATURES  
MULTISTATIC RADAR  
NAP-OF-THE-EARTH NAVIGATION  
RADAR HOMING MISSILES  
RADAR SIGNATURES  
SIGNATURE ANALYSIS  
SIGNATURES  
SURVEILLANCE  
TARGETS  
TRADEX RADAR SYSTEM

### TARGET SIMULATORS

GS SIMULATORS  
. **TARGET SIMULATORS**  
RT COMPUTERIZED SIMULATION

### TARGET SIMULATORS-(CONT.)

DISPLAY DEVICES

### TARGET THICKNESS

GS DIMENSIONS  
. **TARGET THICKNESS**  
RT PARTICLE ACCELERATOR TARGETS  
TARGETS  
THICKNESS

### TARGETS

UF TOWED TARGETS  
GS **TARGETS**  
. JINDIVIK TARGET AIRCRAFT  
. LASER TARGETS  
. . . PARTICLE ACCELERATOR TARGETS  
. RADAR TARGETS  
. . . RADAR TARGET SCATTER SITE  
PROGRAM  
RT AIRBORNE INTEGRATED  
RECONNAISSANCE SYSTEM  
COMMAND AND CONTROL  
DETECTION  
FIREBEE 2 TARGET DRONE AIRCRAFT  
IRRADIATION  
LASER TARGET DESIGNATORS  
LASER TARGET INTERACTIONS  
LINE OF SIGHT  
MICROBALLOONS  
 $\infty$  MISSIONS  
RADAR ECHOES  
SANDPIPER TARGET MISSILE  
SURVEILLANCE  
TARGET ACQUISITION  
TARGET DRONE AIRCRAFT  
TARGET MASKING  
TARGET RECOGNITION  
TARGET THICKNESS

### TARS

GS PRODUCTS  
. PETROLEUM PRODUCTS  
. . . **TARS**  
RT ASPHALT  
GUMS (SUBSTANCES)  
PITCH (MATERIAL)  
TAR SANDS

### TARTAR MISSILE

GS MISSILES  
. ANTI-AIRCRAFT MISSILES  
. . . **TARTAR MISSILE**  
. SURFACE TO AIR MISSILES  
. . . **TARTAR MISSILE**  
RT AJ-10 ENGINE  
BUMBLEBEE PROJECT  
SOLID PROPELLANT ROCKET ENGINES

### TASK COMPLEXITY

GS COMPLEXITY  
. **TASK COMPLEXITY**  
RT COSTS  
 $\infty$  PERFORMANCE  
QUALITY CONTROL  
SCHEDULING

### TASKS

UF JOBS  
GS **TASKS**  
. AUDITORY TASKS  
. VISUAL TASKS  
RT COSTS  
CREW PROCEDURES (INFLIGHT)  
CREW PROCEDURES (PREFLIGHT)  
 $\infty$  ELEMENTS  
MATRIX MANAGEMENT  
PHYSICAL WORK  
PROJECTS  
QUALITY CONTROL  
RETRAINING  
SCHEDULING  
 $\infty$  TESTS

### TASMANIA

GS LANDFORMS  
. ISLANDS  
. . . **TASMANIA**  
RT AUSTRALIA

### TASTE

UF GUSTATORY PERCEPTION  
GS PERCEPTION  
. SENSORY PERCEPTION  
. . . **TASTE**  
RT CHEMORECEPTORS

### TASTE-(CONT.)

SYNTHETIC FOOD

### TATB

UF TRIAMINOTRINITROBENZENE  
GS EXPLOSIVES  
. **TATB**  
PROPELLANTS  
. ROCKET PROPELLANTS  
. . . **TATB**  
RT ROCKET OXIDIZERS

### TAURID METEORIDS

GS CELESTIAL BODIES  
. METEOROID SHOWERS  
. . . **TAURID METEORIDS**  
METEORIDS  
. . . **TAURID METEORIDS**

### TAURUS CONSTELLATION

GS CONSTELLATIONS  
. **TAURUS CONSTELLATION**  
RT CRAB NEBULA  
PLEIADES CLUSTER  
T TAURI STARS

### TAUTOMERS

RT CONGENERS  
ISOMERS

### TAXIING

RT AIR TRAFFIC CONTROL  
AIRFIELD SURFACE MOVEMENTS  
RUNWAYS

### TAXONOMY

RT CLASSIFICATIONS  
 $\infty$  CLASSIFYING  
 $\infty$  SCIENCE  
 $\infty$  ZOOLOGY

### TAYLOR INSTABILITY

RT DENSITY DISTRIBUTION  
GOERTLER INSTABILITY  
INTERFACE STABILITY  
PERTURBATION THEORY  
ROTATING FLUIDS  
TWO DIMENSIONAL FLOW

### TAYLOR MANIFEST ANXIETY SCALE

RT ANXIETY  
PSYCHOLOGICAL TESTS  
PSYCHOLOGICAL EFFECTS  
PSYCHOLOGICAL TESTS

### TAYLOR SERIES

UF TAYLOR THEOREM  
GS ANALYSIS (MATHEMATICS)  
. CALCULUS  
. . . SERIES (MATHEMATICS)  
. . . POWER SERIES  
. . . . **TAYLOR SERIES**  
. . . . MACLAURIN SERIES  
. . . REAL VARIABLES  
. . . SERIES (MATHEMATICS)  
. . . POWER SERIES  
. . . . **TAYLOR SERIES**  
. . . . MACLAURIN SERIES  
RT THEOREMS

### TAYLOR THEOREM

USE TAYLOR SERIES

### TAYLOR-GOERTLER INSTABILITY

USE GOERTLER INSTABILITY

### TCG (TRACKING)

USE TRANSPONDER CONTROL GROUP

### TCV PROGRAM

USE TERMINAL CONFIGURED VEHICLE  
PROGRAM

### TD SATELLITES

GS ARTIFICIAL SATELLITES  
. ESA SATELLITES  
. . . **TD SATELLITES**  
. . . TD-1 SATELLITE  
. . . SYNCHRONOUS SATELLITES  
. . . **TD SATELLITES**  
. . . TD-1 SATELLITE  
ESA SPACECRAFT  
. ESA SATELLITES  
. . . **TD SATELLITES**

**TD SATELLITES-(CONT.)**

... TD-1 SATELLITE

**TD-1 SATELLITE**

GS ARTIFICIAL SATELLITES  
 . ESA SATELLITES  
 . TD SATELLITES  
 . TD-1 SATELLITE  
 . SYNCHRONOUS SATELLITES  
 . TD SATELLITES  
 . TD-1 SATELLITE  
 ESA SPACECRAFT  
 . ESA SATELLITES  
 . TD SATELLITES  
 . TD-1 SATELLITE

**TDMA**

USE TIME DIVISION MULTIPLE ACCESS

**TDR SATELLITES**

UF TRACKING AND DATA RELAY  
 SATELLITES  
 RT AUTONOMOUS SPACECRAFT CLOCKS  
 COMMUNICATING  
 DATA TRANSMISSION  
 RADIO RELAY SYSTEMS  
 SATELLITE NETWORKS  
 SATELLITE TRANSMISSION  
 TELECOMMUNICATION  
 TELEMTRY

**TEA LASERS**

UF TRANSVERSELY EXCITED ATMOSPHERIC  
 LASERS  
 GS STIMULATED EMISSION DEVICES  
 . LASERS  
 . GAS LASERS  
 . TEA LASERS  
 RT ATMOSPHERIC LASERS  
 CARBON DIOXIDE LASERS  
 CARBON MONOXIDE LASERS  
 CHEMICAL LASERS  
 GAS MASERS  
 HF LASERS  
 LASER MODES  
 PULSED LASERS  
 STIMULATED EMISSION

**TEACHING**

USE EDUCATION

**TEACHING MACHINES**

GS TRAINING DEVICES  
 . TEACHING MACHINES  
 RT LEARNING  
 LEARNING MACHINES  
 ∞ MACHINERY

**TEAMS**

RT BUREAUS (ORGANIZATIONS)  
 FEDERATIONS  
 INSTITUTIONS  
 ORGANIZATIONS  
 PROJECTS  
 UNIVERSITY PROGRAM

**TEARING**

RT MECHANICAL PROPERTIES  
 RUPTURING  
 SHREDDING

**TEARING MODES (PLASMAS)**

RT BALLOONING MODES  
 MODES  
 PLASMAS (PHYSICS)

**TECHNETIUM**

GS CHEMICAL ELEMENTS  
 . TECHNETIUM  
 METALS  
 . TRANSITION METALS  
 . TECHNETIUM

**TECHNETIUM COMPOUNDS**

GS TECHNETIUM COMPOUNDS  
 . TECHNETIUM FLUORIDES  
 RT ∞ CHEMICAL COMPOUNDS  
 ∞ GROUP 7B COMPOUNDS  
 ∞ METAL COMPOUNDS

**TECHNETIUM FLUORIDES**

GS HALOGEN COMPOUNDS  
 . FLUORINE COMPOUNDS  
 . FLUORIDES

**TECHNETIUM FLUORIDES-(CONT.)**

... TECHNETIUM FLUORIDES  
 . HALIDES  
 . FLUORIDES  
 . TECHNETIUM FLUORIDES  
 . METAL HALIDES  
 . TECHNETIUM FLUORIDES  
 TECHNETIUM COMPOUNDS  
 . TECHNETIUM FLUORIDES

**TECHNETIUM ISOTOPES**

GS METALS  
 . TRANSITION METALS  
 . TECHNETIUM ISOTOPES

**TECHNICAL WRITING**

RT ABSTRACTS  
 DOCUMENTATION  
 EDITING  
 RECORDS  
 SPECIFICATIONS  
 TRANSLATING

**TECHNIQUES**

USE METHODOLOGY

**TECHNOLOGICAL FORECASTING**

GS FORECASTING  
 . TECHNOLOGICAL FORECASTING  
 . DELPHI METHOD (FORECASTING)  
 . PATTERN METHOD (FORECASTING)  
 . PROBE METHOD (FORECASTING)  
 . PROFILE METHOD (FORECASTING)  
 RT AEROSPACE TECHNOLOGY TRANSFER  
 ESTIMATING  
 PREDICTIONS  
 TECHNOLOGY TRANSFER

**TECHNOLOGIES**

GS TECHNOLOGIES  
 . BIOTECHNOLOGY  
 . BUBBLE TECHNIQUE  
 . ENERGY TECHNOLOGY  
 . GEOTHERMAL TECHNOLOGY  
 . MARINE TECHNOLOGY  
 . MILITARY TECHNOLOGY  
 . REACTOR TECHNOLOGY  
 RT INDUSTRIES  
 LOW GRAVITY MANUFACTURING  
 MANUFACTURING  
 NUCLEONICS  
 SPACE MANUFACTURING  
 TECHNOLOGY ASSESSMENT  
 TECHNOLOGY UTILIZATION  
 URBAN DEVELOPMENT

**TECHNOLOGY ASSESSMENT**

GS ASSESSMENTS  
 . TECHNOLOGY ASSESSMENT  
 RT CANADIAN SPACE PROGRAM  
 COMMUNICATIONS TECHNOLOGY  
 SATELLITE  
 DELPHI METHOD (FORECASTING)  
 EVALUATION  
 FEASIBILITY ANALYSIS  
 INDUSTRIES  
 MANUFACTURING  
 PATTERN METHOD (FORECASTING)  
 PROBE METHOD (FORECASTING)  
 PROFILE METHOD (FORECASTING)  
 STRATEGIC MATERIALS  
 TECHNOLOGIES  
 VALUE

**TECHNOLOGY FEASIBILITY SPACECRAFT**

GS UNMANNED SPACECRAFT  
 . TECHNOLOGY FEASIBILITY  
 SPACECRAFT  
 RT SCIENTIFIC SATELLITES  
 ∞ SPACECRAFT

**TECHNOLOGY TRANSFER**

GS TECHNOLOGY TRANSFER  
 . AEROSPACE TECHNOLOGY TRANSFER  
 RT COMMUNICATING  
 COMMUNICATION  
 DOCUMENTATION  
 DOCUMENTS  
 INFORMATION FLOW  
 INFORMATION MANAGEMENT  
 INFORMATION TRANSFER  
 REPORTS  
 SELECTIVE DISSEMINATION OF  
 INFORMATION  
 SPACE COMMERCIALIZATION

**TECHNOLOGY TRANSFER-(CONT.)**

STARSITE PROGRAM  
 TECHNOLOGICAL FORECASTING  
 TRANSFERRING

**TECHNOLOGY UTILIZATION**

RT AEROSPACE TECHNOLOGY TRANSFER  
 CANADIAN SPACE PROGRAM  
 COMMUNICATIONS TECHNOLOGY  
 SATELLITE  
 CONTROL CONFIGURED VEHICLES  
 INDIAN SPACE PROGRAM  
 INDUSTRIES  
 INFORMATION TRANSFER  
 LASER APPLICATIONS  
 MANUFACTURING  
 NASA PROGRAMS  
 PATENT APPLICATIONS  
 RESEARCH AND DEVELOPMENT  
 SYNCHRONOUS EARTH OBSERVATORY  
 SATELLITE  
 TECHNOLOGIES  
 UTILIZATION

**TECTONIC MOVEMENT**

USE TECTONICS

**TECTONICS**

UF TECTONIC MOVEMENT  
 GS GEOLOGY  
 . TECTONICS  
 RT ∞ DEPRESSION  
 EARTH MOVEMENTS  
 EARTH PLANETARY STRUCTURE  
 FISSURES (GEOLOGY)  
 GEOPHYSICS  
 PLATES (TECTONICS)  
 SUBDUCTION (GEOLOGY)

**TED**

USE TRANSFERRED ELECTRON DEVICES

**TEDLAR (TRADEMARK)**

USE POLYVINYL FLUORIDE

**TEE**

USE T SHAPE

**TEETERING**

RT ∞ MOTION

**TEETH**

SN (EXCLUDES GEAR TEETH AND OTHER  
 MECHANICAL DEVICES)  
 GS ANATOMY  
 . DIGESTIVE SYSTEM  
 . TEETH  
 RT DENTAL CALCULI  
 DENTISTRY  
 MASTICATION  
 MOUTH  
 ORAL HYGIENE  
 TOOTH DISEASES

**TEFLON (TRADEMARK)**

GS HALOGEN COMPOUNDS  
 . FLUORINE COMPOUNDS  
 . FLUORO COMPOUNDS  
 . DIFLUORO COMPOUNDS  
 . POLYTETRAFLUOROETHYLENE  
 . TEFLON (TRADEMARK)  
 PLASTICS  
 . POLYTETRAFLUOROETHYLENE  
 . TEFLON (TRADEMARK)  
 RT ∞ POLYMERS  
 RESINS  
 SYNTHETIC RESINS

**TEKTITE PROJECT**

GS PROGRAMS  
 . NASA PROGRAMS  
 . NASA SPACE PROGRAMS  
 . TECTITE PROJECT  
 . SPACE PROGRAMS  
 . NASA SPACE PROGRAMS  
 . TECTITE PROJECT

**TEKTITES**

GS CELESTIAL BODIES  
 . METEORITES  
 . STONY METEORITES  
 . TECTITES  
 . AUSTRALITES  
 . BEDIASITES



## TELECHIRICS

### TEKTITES-(CONT.)

RT CHONDRITES  
COESITE  
CYRILLID METEORIDS  
METEORITIC COMPOSITION  
METEORITIC MICROSTRUCTURES  
MICROMETEORITES  
NATURAL SATELLITES

### TELECHIRICS

USE REMOTE HANDLING

### TELECOMMUNICATION

UF COMMUNICATION SYSTEMS  
GS **TELECOMMUNICATION**  
. AIRCRAFT COMMUNICATION  
. BROADCASTING  
. CLOSED CIRCUIT TELEVISION  
. COLOR TELEVISION  
. COMMUNICATION  
. FACSIMILE COMMUNICATION  
. LINE OF SIGHT COMMUNICATION  
. OPTICAL COMMUNICATION  
. SHIP TO SHORE COMMUNICATION  
. UNDERWATER COMMUNICATION  
. DATA LINKS  
. DEFENSE COMMUNICATIONS  
SATELLITE SYSTEM  
. FLEET SATELLITE COMMUNICATION  
SYSTEM  
. DEFENSE COMMUNICATIONS SYSTEM  
(DCS)  
. EDUCATIONAL TELEVISION  
. ELECTRONIC MAIL  
. GROUND-AIR-GROUND  
COMMUNICATION  
. HET EXPERIMENT  
. MULTICHANNEL COMMUNICATION  
. MULTIPLE ACCESS  
. ALOHA SYSTEM  
. CODE DIVISION MULTIPLE ACCESS  
. DEMAND ASSIGNMENT MULTIPLE  
ACCESS  
. FREQUENCY DIVISION MULTIPLE  
ACCESS  
. TIME DIVISION MULTIPLE ACCESS  
. PACKET TRANSMISSION  
. ALOHA SYSTEM  
. PLAT SYSTEM  
. PULSE COMMUNICATION  
. DIGITAL SPACECRAFT TELEVISION  
. RADIO COMMUNICATION  
. RADIO RELAY SYSTEMS  
. CODE DIVISION MULTIPLE ACCESS  
. TIME DIVISION MULTIPLE ACCESS  
. RADIO TELEGRAPHY  
. RADIO TELEMETRY  
. PULSE FREQUENCY MODULATION  
TELEMETRY  
. TELEPHONY  
. RADIOTELEPHONES  
. SINGLE CHANNEL PER CARRIER  
TRANSMISSION  
. SPACE COMMUNICATION  
. EXTRATERRESTRIAL  
COMMUNICATION  
. INTERPLANETARY COMMUNICATION  
. LUNAR COMMUNICATION  
. CIRCUMLUNAR COMMUNICATION  
. SPACECRAFT COMMUNICATION  
. REENTRY COMMUNICATION  
. SATELLITE COMMUNICATION  
. SPACECRAFT ANTENNAS  
. SPACECRAFT TELEVISION  
. DIGITAL SPACECRAFT TELEVISION  
. RANGER BLOCK 3 TELEVISION  
SYSTEM  
. SATELLITE TELEVISION  
. STEREOTELEVISION  
. TELEMETRY  
. BIOTELEMETRY  
. P.A.C.M. TELEMETRY  
. PCM TELEMETRY  
. RADIO TELEMETRY  
. PULSE FREQUENCY MODULATION  
TELEMETRY  
. TRANSOCEANIC COMMUNICATION  
. VIDEO COMMUNICATION  
. VOICE COMMUNICATION  
. TELEPHONY  
. WIDEBAND COMMUNICATION  
. WIRELESS COMMUNICATION  
ACCESS CONTROL  
ANTENNAS  
ARPA COMPUTER NETWORK

### TELECOMMUNICATION-(CONT.)

∞ CHANNELS  
CODE DIVISION MULTIPLEXING  
COMMUNICATING  
COMMUNICATION NETWORKS  
COMMUNICATION SATELLITES  
COMPUTERS  
DATA COMPRESSION  
DATA PROCESSING  
DATA SAMPLING  
DATA TRANSMISSION  
DEMULATION  
∞ DETECTORS  
DIGITAL SYSTEMS  
DIRECT BROADCAST SATELLITES  
ELECTROMAGNETIC RADIATION  
FREQUENCY DIVISION MULTIPLEXING  
INFORMATION THEORY  
INTERFACES  
INTERPHONES  
MODULATION  
MOLNIYA SATELLITES  
MORSE CODE  
NASCOM NETWORK  
ONBOARD EQUIPMENT  
PACKET SWITCHING  
POINT TO POINT COMMUNICATION  
SATELLITE ANTENNAS  
SEAFARER PROJECT  
SIGNAL DETECTION  
SIGNAL DETECTORS  
SIGNAL ENCODING  
SIGNAL TRANSMISSION  
∞ SIGNALS  
∞ SYSTEMS  
TDR SATELLITES  
TELECONFERENCING  
TELEGRAPH SYSTEMS  
TELETYPEWRITER SYSTEMS  
TELEVISION SYSTEMS  
TRANSCONTINENTAL SYSTEMS  
TRANSMISSION  
TRANSMISSION CIRCUITS  
TRANSMISSION LINES  
TRANSMITTERS  
TRANSOCEANIC SYSTEMS  
VIDEO DATA  
WESTAR SATELLITES

### TELECONFERENCING

GS **TELECONFERENCING**  
. HET EXPERIMENT  
RT COMMUNICATION SATELLITES  
CONFERENCES  
MULTICHANNEL COMMUNICATION  
SATELLITE NETWORKS  
TELECOMMUNICATION

### TELECONNECTIONS (METEOROLOGY)

RT CLIMATOLOGY  
CORRELATION  
DATA CORRELATION  
EARTH ATMOSPHERE  
METEOROLOGICAL PARAMETERS  
METEOROLOGY  
SECULAR VARIATIONS  
SIGNIFICANCE  
SPATIAL DISTRIBUTION  
STATISTICAL ANALYSIS  
STATISTICAL CORRELATION  
SYNOPTIC METEOROLOGY  
TEMPORAL DISTRIBUTION

### TELEGRAPH SYSTEMS

UF TELEGRAPHY  
RT PULSE COMMUNICATION  
RADIO COMMUNICATION  
SINGLE CHANNEL PER CARRIER  
TRANSMISSION  
∞ SYSTEMS  
TELECOMMUNICATION  
TELEPRINTERS  
TELETYPEWRITERS  
WESTAR SATELLITES

### TELEGRAPHY

USE TELEGRAPH SYSTEMS

### TELEMETERS

USE TELEMETRY

### TELEMETRY

UF TELEMETERS  
GS TELECOMMUNICATION  
TELEMETRY

### TELEMETRY-(CONT.)

. BIOTELEMETRY  
. P.A.C.M. TELEMETRY  
. PCM TELEMETRY  
. RADIO TELEMETRY  
. PULSE FREQUENCY MODULATION  
TELEMETRY  
TRANSMISSION  
. SIGNAL TRANSMISSION  
. **TELEMETRY**  
. BIOTELEMETRY  
. P.A.C.M. TELEMETRY  
. PCM TELEMETRY  
. RADIO TELEMETRY  
. PULSE FREQUENCY MODULATION  
TELEMETRY  
RT ADVANCED RANGE INSTRUMENTATION  
AIRCRAFT  
COMMUNICATION EQUIPMENT  
DATA COMPRESSION  
DATA LINKS  
DATA RETRIEVAL  
DATA TRANSMISSION  
DECOMMUTATORS  
DIFFERENTIAL PULSE CODE  
MODULATION  
IN-FLIGHT MONITORING  
MEASURING INSTRUMENTS  
PULSE COMMUNICATION  
RADIO COMMUNICATION  
SHIP TO SHORE COMMUNICATION  
SIGNAL PROCESSING  
SINGLE CHANNEL PER CARRIER  
TRANSMISSION  
SPIRAL ANTENNAS  
TDR SATELLITES  
TIME DIVISION MULTIPLEXING  
TRAJECTORY MEASUREMENT  
TRANSPONDER CONTROL GROUP  
WEATHER DATA RECORDERS  
WIRELESS COMMUNICATION

### TELEOPERATOR MANEUVERING SYSTEM

USE TELEOPERATORS

### TELEOPERATORS

UF TELEOPERATOR MANEUVERING SYSTEM  
GS CONTROL EQUIPMENT  
. **TELEOPERATORS**  
RT HUMAN FACTORS ENGINEERING  
MAN MACHINE SYSTEMS  
MANIPULATORS  
REMOTE CONTROL  
REMOTE HANDLING  
ROBOTICS

### TELEPHONES

GS **TELEPHONES**  
. RADIOTELEPHONES  
RT EARPHONES  
TELEPHONY  
UTILITIES

### TELEPHONY

GS TELECOMMUNICATION  
. RADIO COMMUNICATION  
. **TELEPHONY**  
. VOICE COMMUNICATION  
. **TELEPHONY**  
TRANSMISSION  
. **TELEPHONY**  
RT COMMUNICATION EQUIPMENT  
CROSSTALK  
ECHO SUPPRESSORS  
RADIOTELEPHONES  
SINGLE CHANNEL PER CARRIER  
TRANSMISSION  
SOUND TRANSMISSION  
SYMPHONIE SATELLITES  
TELEPHONES  
VERBAL COMMUNICATION

### TELEPHOTOMETERS

USE TELEPHOTOMETRY

### TELEPHOTOMETRY

UF TELEPHOTOMETERS  
GS OPTICAL MEASUREMENT  
. PHOTOMETRY  
. **TELEPHOTOMETRY**  
RT ASTRONOMICAL PHOTOMETRY  
OPTICAL MEASURING INSTRUMENTS  
PHOTOMETERS  
TRANSMISSOMETERS

## TELLURIUM COMPOUNDS

### TELEPRINTERS

GS PRINTERS  
 . TELEPRINTERS  
 TYPEWRITERS  
 . TELETYPEWRITERS  
 . TELEPRINTERS  
 RT KEYING  
 PRINTERS (DATA PROCESSING)  
 RECEIVERS  
 TELEGRAPH SYSTEMS

### TELESAT CANADA A

USE ANIK 1

### TELESAT CANADA B

USE ANIK 2

### TELESAT CANADA C

USE ANIK 3

### TELESAT CANADA 3

USE ANIK 3

### TELESCOPES

UF ASTRONOMICAL TELESCOPES  
 GS TELESCOPES  
 . CELESCOPES  
 . CIRCUMSOLAR TELESCOPES  
 . GAMMA RAY TELESCOPES  
 . GRAZING INCIDENCE TELESCOPES  
 . GRIST (TELESCOPE)  
 . HELIOMETERS  
 . PYROHELIOMETERS  
 . INFRARED TELESCOPES  
 . SPACE INFRARED TELESCOPE  
 FACILITY  
 . MANNED ORBITAL TELESCOPES  
 . APOLLO TELESCOPE MOUNT  
 . PARTICLE TELESCOPES  
 . RADIO TELESCOPES  
 . KILOMETER WAVE ORBITING  
 TELESCOPE  
 . VERY LARGE ARRAY (VLA)  
 . VERY LONG BASELINE ARRAY (VLBA)  
 . REFLECTING TELESCOPES  
 . STARSAT TELESCOPE  
 . REFRACTING TELESCOPES  
 . SCHMIDT TELESCOPES  
 . SPACEBORNE TELESCOPES  
 . GERMAN INFRARED LABORATORY  
 . HUBBLE SPACE TELESCOPE  
 . INFRARED SPACE OBSERVATORY  
 (ISO)  
 . LIRTS (TELESCOPE)  
 . SOLAR OPTICAL TELESCOPE  
 . SPACE INFRARED TELESCOPE  
 FACILITY  
 . STARLAB  
 . STARSAT TELESCOPE  
 . X RAY ASTROPHYSICS FACILITY  
 . SPECTROSCOPIC TELESCOPES  
 . MULTISPECTRAL TRACKING  
 TELESCOPES  
 . STRATOSCOPE TELESCOPES  
 . ULTRAVIOLET TELESCOPES  
 . STARLAB  
 . X RAY TELESCOPES  
 . X RAY ASTROPHYSICS FACILITY  
 RT ANTENNAS  
 ASTRONOMICAL OBSERVATORIES  
 ASTRONOMY  
 BALLOON-BORNE INSTRUMENTS  
 BINOCULARS  
 CASSEGRAIN OPTICS  
 CORONAGRAPHS  
 ETALONS  
 EYEPIECES  
 LENSES  
 MIRRORS  
 MULTI-ANODE MICROCHANNEL ARRAYS  
 OPTICAL EQUIPMENT  
 OPTICAL MEASURING INSTRUMENTS  
 OPTICAL TRANSFER FUNCTION  
 PERISCOPES  
 REFLECTORS  
 SCHMIDT CAMERAS  
 SOLAR INSTRUMENTS  
 SPACEBORNE ASTRONOMY  
 ULTRAVIOLET ASTRONOMY

### TELESCOPING STRUCTURES

USE FOLDING STRUCTURES

### TELETYPEWRITER SYSTEMS

RT FACSIMILE COMMUNICATION

### TELETYPEWRITER SYSTEMS-(CONT.)

MICROWAVE TRANSMISSION  
 ∞ SYSTEMS  
 TELECOMMUNICATION  
 TELETYPEWRITERS

### TELETYPEWRITERS

GS TYPEWRITERS  
 . TELETYPEWRITERS  
 . TELEPRINTERS  
 RT KEYING  
 RECEIVERS  
 TELEGRAPH SYSTEMS  
 TELETYPEWRITER SYSTEMS

### TELEVISION CAMERAS

GS OPTICAL EQUIPMENT  
 . CAMERAS  
 . TELEVISION CAMERAS  
 PHOTOGRAPHIC EQUIPMENT  
 . CAMERAS  
 . TELEVISION CAMERAS  
 TELEVISION EQUIPMENT  
 . TELEVISION CAMERAS  
 RT CAMERA TUBES  
 CLOSED CIRCUIT TELEVISION  
 LALLEMAND CAMERAS  
 OPTICAL SCANNERS  
 ORTHICONS  
 RASTER SCANNING  
 RETURN BEAM VIDICONS  
 SATELLITE TELEVISION

### TELEVISION EQUIPMENT

GS TELEVISION EQUIPMENT  
 . IMAGE DISSECTOR TUBES  
 . MONOSCOPES  
 . TELEVISION CAMERAS  
 . TELEVISION RECEIVERS  
 RT CATHODE RAY TUBES  
 DIPLEXERS  
 ∞ EQUIPMENT  
 FLYING SPOT SCANNERS  
 ORTHICONS  
 PICTURE TUBES  
 VIDEO EQUIPMENT

### TELEVISION RECEIVERS

GS RECEIVERS  
 . TELEVISION RECEIVERS  
 TELEVISION EQUIPMENT  
 . TELEVISION RECEIVERS  
 RT CLOSED CIRCUIT TELEVISION  
 TUNERS

### TELEVISION RECEPTION

GS SIGNAL RECEPTION  
 . TELEVISION RECEPTION  
 RT COLOR TELEVISION  
 RADIO RECEIVERS  
 RADIO RECEPTION  
 ∞ RECEIVING

### TELEVISION SYSTEMS

GS TELEVISION SYSTEMS  
 . ADVANCED VIDICON CAMERA SYSTEM  
 (AVCS)  
 . CLOSED CIRCUIT TELEVISION  
 . COLOR TELEVISION  
 . EDUCATIONAL TELEVISION  
 . PLAT SYSTEM  
 . SPACECRAFT TELEVISION  
 . DIGITAL SPACECRAFT TELEVISION  
 . RANGER BLOCK 3 TELEVISION  
 SYSTEM  
 . SATELLITE TELEVISION  
 . STEREOTELEVISION  
 RT COMMUNICATION EQUIPMENT  
 DIGITAL TELEVISION  
 EARTH TERMINALS  
 FACSIMILE COMMUNICATION  
 IMAGING TECHNIQUES  
 ORBIT SPECTRUM UTILIZATION  
 RADIO COMMUNICATION  
 SPACE COMMUNICATION  
 ∞ SYSTEMS  
 TELECOMMUNICATION  
 VIDEO COMMUNICATION  
 VIDEO DATA

### TELEVISION TRANSMISSION

GS TRANSMISSION  
 . ELECTROMAGNETIC WAVE  
 TRANSMISSION  
 . TELEVISION TRANSMISSION

### TELEVISION TRANSMISSION-(CONT.)

. SIGNAL TRANSMISSION  
 . TELEVISION TRANSMISSION  
 RT AUTOMATIC PICTURE TRANSMISSION  
 CLOSED CIRCUIT TELEVISION  
 COLOR TELEVISION  
 DIGITAL TELEVISION  
 DIRECT BROADCAST SATELLITES  
 DOUBLE SIDEBAND TRANSMISSION  
 LINE OF SIGHT COMMUNICATION  
 MOLNIYA SATELLITES  
 RADIO TRANSMITTERS  
 SATELLITE TELEVISION  
 SATELLITE TRANSMISSION  
 SINGLE SIDEBAND TRANSMISSION  
 SMEAR  
 SPACECRAFT TELEVISION  
 SWEEP FREQUENCY  
 TIME DIVISION MULTIPLEXING  
 TRANSMITTERS  
 WAVE PROPAGATION

### TELLEGEN THEORY

USE GYRATORS  
 NETWORK ANALYSIS  
 NETWORK SYNTHESIS

### TELLURIC CURRENTS

UF EARTH CURRENTS  
 GS ELECTRIC CURRENT  
 . TELLURIC CURRENTS  
 ELECTRICITY  
 . GEOELECTRICITY  
 . TELLURIC CURRENTS  
 RT ATMOSPHERIC ELECTRICITY  
 AURORAL ELECTROJETS  
 DYNAMO THEORY  
 GEOMAGNETIC MICROPULSATIONS

### TELLURIC LINES

GS SPECTRA  
 . RADIATION SPECTRA  
 . ABSORPTION SPECTRA  
 . TELLURIC LINES  
 . ELECTROMAGNETIC SPECTRA  
 . LINE SPECTRA  
 . TELLURIC LINES  
 . SPECTRAL BANDS  
 . ABSORPTION SPECTRA  
 . TELLURIC LINES  
 RT H LINES

### TELLURIDES

GS CHALCOGENIDES  
 . TELLURIDES  
 . BISMUTH TELLURIDES  
 . CADMIUM TELLURIDES  
 . INDIUM TELLURIDES  
 . LANTHANUM TELLURIDES  
 . LEAD TELLURIDES  
 . MERCURY TELLURIDES  
 . TIN TELLURIDES  
 . ZINC TELLURIDES  
 TELLURIUM COMPOUNDS  
 . TELLURIDES  
 . BISMUTH TELLURIDES  
 . CADMIUM TELLURIDES  
 . INDIUM TELLURIDES  
 . LANTHANUM TELLURIDES  
 . LEAD TELLURIDES  
 . MERCURY TELLURIDES  
 . TIN TELLURIDES  
 . ZINC TELLURIDES  
 RT INTERMETALLICS

### TELLURIUM

GS CHEMICAL ELEMENTS  
 . METALLOIDS  
 . TELLURIUM  
 . TELLURIUM ISOTOPES  
 . NUCLIDES  
 . ISOTOPES  
 . TELLURIUM  
 . TELLURIUM ISOTOPES

### TELLURIUM ALLOYS

GS ALLOYS  
 . TELLURIUM ALLOYS

### TELLURIUM COMPOUNDS

GS TELLURIUM COMPOUNDS  
 . TELLURIDES  
 . BISMUTH TELLURIDES  
 . CADMIUM TELLURIDES  
 . INDIUM TELLURIDES

## TELLURIUM ISOTOPES

### TELLURIUM COMPOUNDS-(CONT.)

- . . . LANTHANUM TELLURIDES
- . . . LEAD TELLURIDES
- . . . MERCURY TELLURIDES
- . . . TIN TELLURIDES
- . . . ZINC TELLURIDES
- RT  $\infty$  CHEMICAL COMPOUNDS
- $\infty$  GROUP 6A COMPOUNDS

### TELLURIUM ISOTOPES

- UF TELLURIUM 119
- GS CHEMICAL ELEMENTS
  - . METALLOIDS
  - . . . TELLURIUM
  - . . . . TELLURIUM ISOTOPES
  - . . . . . NUCLEIDES
  - . . . . . ISOTOPES
  - . . . . . TELLURIUM
  - . . . . . TELLURIUM ISOTOPES

### TELLURIUM 119

- USE TELLURIUM ISOTOPES

### TELLUROMETERS

- GS MEASURING INSTRUMENTS
  - . DISTANCE MEASURING EQUIPMENT
  - . . . TELLUROMETERS
- RT GEODIMETERS
  - . RANGE FINDERS

### TELSTAR PROJECT

- GS PROGRAMS
  - . PROJECTS
  - . . . TELSTAR PROJECT
- RT ARTIFICIAL SATELLITES
  - . COMMUNICATION SATELLITES
  - . COMSAT PROGRAM

### TELSTAR SATELLITES

- GS ARTIFICIAL SATELLITES
  - . . . TELSTAR SATELLITES
  - . . . TELSTAR 1 SATELLITE
  - . . . TELSTAR 2 SATELLITE
- RT COMSAT PROGRAM
  - . THOR DELTA LAUNCH VEHICLE

### TELSTAR 1 SATELLITE

- GS ARTIFICIAL SATELLITES
  - . TELSTAR SATELLITES
  - . . . TELSTAR 1 SATELLITE

### TELSTAR 2 SATELLITE

- GS ARTIFICIAL SATELLITES
  - . TELSTAR SATELLITES
  - . . . TELSTAR 2 SATELLITE

### TEMPEL 2 COMET

- GS CELESTIAL BODIES
  - . COMETS
  - . . . TEMPEL 2 COMET
- RT  $\infty$  COMA
  - . METEORIODS
  - . SOLAR SYSTEM

### TEMPER (METALLURGY)

- RT COLD WORKING
  - . DUCTILITY
  - . HARDNESS
  - . HEAT TREATMENT

### TEMPERATE REGIONS

- UF MIDLATITUDES
  - . SUBTROPICAL REGIONS
- GS REGIONS
  - . . . TEMPERATE REGIONS
- RT CLIMATOLOGY
  - . GEOGRAPHY
  - . POLAR REGIONS
  - . TROPICAL REGIONS

### TEMPERATURE

- UF BODY TEMPERATURE (NON-BIOLOGICAL)
- GS TEMPERATURE
  - . ABSOLUTE ZERO
  - . AMBIENT TEMPERATURE
  - . ATMOSPHERIC TEMPERATURE
  - . . . AURORAL TEMPERATURE
  - . . . IONOSPHERIC TEMPERATURE
  - . BODY TEMPERATURE
  - . BRIGHTNESS TEMPERATURE
  - . COMBUSTION TEMPERATURE
  - . CRITICAL TEMPERATURE
  - . CURIE TEMPERATURE
  - . FLAME TEMPERATURE

### TEMPERATURE-(CONT.)

- . GAS TEMPERATURE
- . GLASS TRANSITION TEMPERATURE
- . HIGH TEMPERATURE
- . IGNITION TEMPERATURE
- . . FLASH POINT
- . INLET TEMPERATURE
- . ION TEMPERATURE
- . LOW TEMPERATURE
- . . . CRYOGENIC TEMPERATURE
- . LUNAR TEMPERATURE
- . NEEL TEMPERATURE
- . NOISE TEMPERATURE
- . OPERATING TEMPERATURE
- . PLANETARY TEMPERATURE
- . PLASMA TEMPERATURE
- . ROOM TEMPERATURE
- . SATELLITE TEMPERATURE
- . SKIN TEMPERATURE (BIOLOGY)
- . SOLAR TEMPERATURE
- . SPACE TEMPERATURE
- . SPIN TEMPERATURE
- . STAGNATION TEMPERATURE
- . STELLAR TEMPERATURE
- . SUBZERO TEMPERATURE
- . SURFACE TEMPERATURE
- . . . SKIN TEMPERATURE
  - . (NON-BIOLOGICAL)
  - . . . WALL TEMPERATURE
  - . . . TRANSITION TEMPERATURE
  - . . . WATER TEMPERATURE
  - . . . OCEAN TEMPERATURE
  - . . . . SEA SURFACE TEMPERATURE
- RT ABLATIVE MATERIALS
- . ADIABATIC CONDITIONS
- . AIR CONDITIONING
- . BIOLOGICAL EFFECTS
- . CLIMATOLOGY
- . COMFORT
- . CONVECTIVE FLOW
- . ELECTRON ENERGY
- . EMISSIVITY
- . ENVIRONMENTS
- . FREE CONVECTION
- . GEOTEMPERATURE
- . GIBBS-HELMHOLTZ EQUATIONS
- . HEAT
- . HEAT SHIELDING
- . HEAT STORAGE
- . HEATING
- . HUMIDITY
- . ISOTHERMS
- . LAPSE RATE
- . MELTING POINTS
- . METEOROLOGY
- . OCEAN THERMAL ENERGY CONVERSION
- . REFRIGERATING
- . SAHA EQUATIONS
- . SURFACE COOLING
- . TEMPERATURE COMPENSATION
- . TEMPERATURE CONTROL
- . TEMPERATURE DEPENDENCE
- . TEMPERATURE DISTRIBUTION
- . TEMPERATURE EFFECTS
- . TEMPERATURE GRADIENTS
- . TEMPERATURE INVERSIONS
- . TEMPERATURE MEASUREMENT
- . TEMPERATURE MEASURING
  - . INSTRUMENTS
- . TEMPERATURE PROBES
- . TEMPERATURE PROFILES
- . TEMPERATURE RATIO
- . TEMPERATURE SCALES
- . TEMPERATURE SENSORS
- . TEPHIGRAMS
- . THERMAL ABSORPTION
- . THERMAL ANALYSIS
- . THERMAL BLOOMING
- . THERMAL BOUNDARY LAYER
- . THERMAL BUCKLING
- . THERMAL COMFORT
- . THERMAL CONDUCTIVITY
- . THERMAL CONDUCTIVITY GAGES
- . THERMAL CONDUCTORS
- . THERMAL CONTROL COATINGS
- . THERMAL CYCLING TESTS
- . THERMAL DECOMPOSITION
- . THERMAL DEGRADATION
- . THERMAL DIFFUSION
- . THERMAL DIFFUSIVITY
- . THERMAL DISSOCIATION
- . THERMAL EMISSION
- . THERMAL ENERGY
- . THERMAL ENVIRONMENTS
- . THERMAL EXPANSION
- . THERMAL FATIGUE

### TEMPERATURE-(CONT.)

- . THERMAL INSTABILITY
- . THERMAL INSULATION
- . THERMAL MAPPING
- . THERMAL NEUTRONS
- . THERMAL NOISE
- . THERMAL PLASMAS
- . THERMAL POLLUTION
- . THERMAL PROTECTION
- . THERMAL RADIATION
- . THERMAL REACTORS
- . THERMAL RESISTANCE
- . THERMAL RESOURCES
- . THERMAL SHOCK
- . THERMAL SIMULATION
- . THERMAL STABILITY
- . THERMAL STRESSES
- . THERMAL VACUUM TESTS
- . THERMODYNAMIC EFFICIENCY
- . THERMODYNAMIC PROPERTIES
- . VENTILATION

### TEMPERATURE COMPENSATION

- GS INSTRUMENT COMPENSATION
  - . . . TEMPERATURE COMPENSATION
- RT  $\infty$  COMPENSATION
  - . TEMPERATURE

### TEMPERATURE CONTROL

- UF HEAT REGULATION
- RT AIR CONDITIONING
  - . AUTOMATIC CONTROL
  - . AUTOMATIC CONTROL VALVES
  - . CHEMICAL REACTION CONTROL
  - . COMBUSTION CONTROL
  - $\infty$  CONTROL
  - . CONTROLLERS
  - . COOLING
  - . COOLING SYSTEMS
  - . CRYOSTATS
  - . ENGINE CONTROL
  - . ENVIRONMENTAL CONTROL
  - . ENVIRONMENTAL ENGINEERING
  - . EXHAUST SYSTEMS
  - . HEAT SHIELDING
  - . HEATING
  - . HEATING EQUIPMENT
  - . HIGH TEMPERATURE TESTS
  - . INFRARED SUPPRESSION
  - . LOW TEMPERATURE TESTS
  - . MANUAL CONTROL
  - . PLASMA COOLING
  - . REFRIGERATING
  - . REFRIGERATING MACHINERY
  - . REMOTE CONTROL
  - . REUSABLE HEAT SHIELDING
  - . SPACE COOLING (BUILDINGS)
  - . SPACE HEATING (BUILDINGS)
  - . SPACECRAFT TEMPERATURE
  - . TEMPERATURE
  - . THERMAL CONTROL COATINGS
  - . THERMAL CYCLING TESTS
  - . THERMAL INSULATION
  - . THERMOMETERS
  - . THERMOREGULATION
  - . THERMOSTATS
  - . TRANSPIRATION
  - . VENTILATION
  - . WATER HEATING

### TEMPERATURE DEPENDENCE

- GS DEPENDENCE
  - . . . TEMPERATURE DEPENDENCE
- RT HEAT AFFECTED ZONE
  - . HOT CORROSION
  - . MISCIBILITY GAP
  - . TEMPERATURE
  - . TEMPERATURE EFFECTS
  - . THERMAL DEGRADATION
  - . THERMAL STABILITY

### TEMPERATURE DIFFERENCES

- USE TEMPERATURE GRADIENTS

### TEMPERATURE DISTRIBUTION

- UF TEMPERATURE FIELDS
- GS DISTRIBUTION (PROPERTY)
  - . . . TEMPERATURE DISTRIBUTION
- RT AIR CONDITIONING
  - . COOLING
  - . COOLING SYSTEMS
  - . ENVIRONMENTAL ENGINEERING
  - . FIELD THEORY (PHYSICS)
  - . HEAT TREATMENT
  - . HEATING

# **TENNESSEE VALLEY (AL-KY-TN)**

## **TEMPERATURE DISTRIBUTION-(CONT.)**

ISOTHERMAL FLOW  
ISOTHERMAL LAYERS  
ISOTHERMS  
OCEAN TEMPERATURE  
REFRIGERATING  
SATELLITE TEMPERATURE  
TEMPERATURE  
THERMAL MAPPING  
THERMAL RESOURCES  
THERMAL SHOCK  
THERMAL STRESSES  
THERMOGRAPHY  
VENTILATION  
VERTICAL DISTRIBUTION  
WATER TEMPERATURE

## **TEMPERATURE EFFECTS**

UF HEAT EFFECTS  
PHOTOTHERMOTROPISM  
RICHARDSON-DUSHMAN EQUATION  
THERMAL EFFECTS  
THERMOTROPISM  
RT ABLATION  
ABSOLUTE ZERO  
CHEMICAL EFFECTS  
∞ EFFECTS  
ETTINGSHAUSEN EFFECT  
GLASS TRANSITION TEMPERATURE  
HEAT AFFECTED ZONE  
JET BLAST EFFECTS  
MAGNETIC EFFECTS  
NERNST-ETTINGSHAUSEN EFFECT  
Peltier Effects  
PRESSURE EFFECTS  
∞ RADIATION  
REENTRY EFFECTS  
SEEBECK EFFECT  
SHAPE MEMORY ALLOYS  
SOLAR GRANULATION  
STERILIZATION EFFECTS  
TEMPERATURE  
TEMPERATURE DEPENDENCE  
THERMAL BUCKLING  
THERMAL DEGRADATION  
THERMAL DISSOCIATION  
THERMAL RESISTANCE  
THERMAL STRESSES  
THERMOGRAVIMETRY  
THERMOLUMINESCENCE  
THERMOPHORESIS  
THERMOPLASTICITY  
TIME TEMPERATURE PARAMETER

## **TEMPERATURE FIELDS**

USE TEMPERATURE DISTRIBUTION

## **TEMPERATURE GRADIENTS**

UF TEMPERATURE DIFFERENCES  
GS GRADIENTS  
TEMPERATURE GRADIENTS  
THERMOCLINES  
RT ATMOSPHERIC TEMPERATURE  
BATHYTHERMOGRAPHS  
CHAPMAN-ENSKOG THEORY  
CONVECTIVE HEAT TRANSFER  
ISOTHERMAL LAYERS  
ISOTHERMS  
NONISOTHERMAL PROCESSES  
OCEAN TEMPERATURE  
POTENTIAL GRADIENTS  
STRATIFICATION  
TEMPERATURE  
THERMAL ANALYSIS  
THERMAL MAPPING  
THERMOMIGRATION  
THERMOPHORESIS

## **TEMPERATURE INDICATORS**

USE INDICATING INSTRUMENTS  
TEMPERATURE MEASURING  
INSTRUMENTS

## **TEMPERATURE INSTRUMENTS**

USE TEMPERATURE MEASURING  
INSTRUMENTS

## **TEMPERATURE INVERSIONS**

GS INVERSIONS  
TEMPERATURE INVERSIONS  
CENTRIFUGING STRESS  
RT AIR POLLUTION  
ATMOSPHERIC TEMPERATURE  
BENDING  
BIREFRINGENCE

## **TEMPERATURE INVERSIONS-(CONT.)**

BUCKLING  
CRACKING (FRACTURING)  
CRACKS  
CREEP PROPERTIES  
DEFLECTION  
DEFORMATION  
DISPLACEMENT  
DISTORTION  
FAILURE  
FATIGUE (MATERIALS)  
INTERNAL PRESSURE  
LAPSE RATE  
MECHANICAL PROPERTIES  
METEOROLOGICAL PARAMETERS  
METEOROLOGY  
PHOTOELASTIC ANALYSIS  
PLASTIC DEFORMATION  
PRESSURE  
PRESSURE EFFECTS  
RESIDUAL STRESS  
SAINT VENANT PRINCIPLE  
SHEAR PROPERTIES  
SHRINKAGE  
STRAIN GAGES  
STRAIN HARDENING  
STRAIN RATE  
STRESS ANALYSIS  
STRESS RELAXATION  
STRESS WAVES  
STRESSES  
STRUCTURAL STRAIN  
TEMPERATURE  
TENSILE DEFORMATION  
∞ TENSION  
TEPHIGRAMS  
TORSION  
VOLUMETRIC STRAIN  
X RAY STRESS ANALYSIS  
YIELD STRENGTH

## **TEMPERATURE MEASUREMENT**

UF PYROMETRY  
THERMOMETRY  
RT ANOMALOUS TEMPERATURE ZONES  
BOLOMETERS  
BRIGHTNESS TEMPERATURE  
CRAYONS  
GAS TEMPERATURE  
HIGH TEMPERATURE  
∞ MEASUREMENT  
NOISE TEMPERATURE  
PYROMETERS  
RADIATION PYROMETERS  
RESISTANCE THERMOMETERS  
SATELLITE TEMPERATURE  
SODAR  
SOUND DETECTING AND RANGING  
TEMPERATURE  
THERMOCOUPLE PYROMETERS  
THERMOCOUPLES  
THERMOGRAPHY  
THERMOMETERS  
WIND TUNNEL CALIBRATION

## **TEMPERATURE MEASURING INSTRUMENTS**

UF TEMPERATURE INDICATORS  
TEMPERATURE INSTRUMENTS  
THERMOGRAMS  
GS MEASURING INSTRUMENTS  
TEMPERATURE MEASURING  
INSTRUMENTS  
BATHYTHERMOGRAPHS  
OPTICAL PYROMETERS  
PYROMETERS  
RADIATION PYROMETERS  
THERMOCOUPLE PYROMETERS  
TEMPERATURE PROBES  
PNEUMATIC PROBES  
THERMOMETERS  
RESISTANCE THERMOMETERS  
RT ANOMALOUS TEMPERATURE ZONES  
BOLOMETERS  
BOMB CALORIMETERS  
CALORIMETERS  
DROP CALORIMETERS  
FLAME CALORIMETERS  
FLAME PROBES  
TEMPERATURE  
THERMISTORS  
THERMOCOUPLES  
THERMOPILES  
THERMOSTATS  
TRANSDUCERS

## **TEMPERATURE PROBES**

GS MEASURING INSTRUMENTS  
TEMPERATURE MEASURING  
INSTRUMENTS  
TEMPERATURE PROBES  
PNEUMATIC PROBES  
RT TEMPERATURE  
THERMOCOUPLES

## **TEMPERATURE PROFILES**

RT HEAT TRANSFER  
TEMPERATURE  
THERMAL ANALYSIS

## **TEMPERATURE RATIO**

RT DATA CORRELATION  
HEAT TRANSFER  
RATIOS  
TEMPERATURE

## **TEMPERATURE SCALES**

UF FAHRENHEIT TEMPERATURE SCALE  
INTERNATIONAL PRACTICAL  
TEMPERATURE  
RT ABSOLUTE ZERO  
ANOMALOUS TEMPERATURE ZONES  
CALIBRATING  
∞ SCALE  
STANDARDS  
TEMPERATURE  
THERMOMETERS

## **TEMPERATURE SENSORS**

GS TEMPERATURE SENSORS  
THERMISTORS  
RT ANOMALOUS TEMPERATURE ZONES  
TEMPERATURE

## **TEMPERING**

GS HEAT TREATMENT  
TEMPERING  
RT ANNEALING  
DRAWING  
HARDENING (MATERIALS)  
LASER ANNEALING  
METAL WORKING  
NORMALIZING (HEAT TREATMENT)  
STRESS RELIEVING  
STRETCHING

## **TEMPLATES**

RT LOFTING  
MOLDS  
PATTERNS

## **TEMPORAL DISTRIBUTION**

RT ANNUAL VARIATIONS  
SPATIAL DISTRIBUTION  
TELECONNECTIONS (METEOROLOGY)  
TIME DEPENDENCE  
∞ TIME RESPONSE

## **TEMPORAL RESOLUTION**

UF MULTITEMPORAL ANALYSIS  
GS RESOLUTION  
TEMPORAL RESOLUTION  
RT SPATIAL RESOLUTION

## **TENDENCIES**

RT INCLINATION

## **TENDONS**

GS ANATOMY  
MUSCULOSKELETAL SYSTEM  
MUSCLES  
TENDONS  
RT CONNECTIVE TISSUE  
FIBROBLASTS

## **TENITE**

RT CELLULOSE  
MOLDING MATERIALS

## **TENNESSEE**

GS NATIONS  
UNITED STATES  
TENNESSEE  
RT GREAT SMOKY MOUNTAINS (NC-TN)  
TENNESSEE VALLEY (AL-KY-TN)

## **TENNESSEE VALLEY (AL-KY-TN)**

GS VALLEYS  
TENNESSEE VALLEY (AL-KY-TN)  
RT ALABAMA

## TENSILE CREEP

### TENNESSEE VALLEY (AL-KY-TN)-(CONT.)

KENTUCKY  
TENNESSEE

#### TENSILE CREEP

- GS MECHANICAL PROPERTIES
  - . CREEP PROPERTIES
  - . . . **TENSILE CREEP**
- RT PLASTIC DEFORMATION
- SHEAR CREEP

#### TENSILE DEFORMATION

- GS DEFORMATION
  - . **TENSILE DEFORMATION**
- RT ELASTIC DEFORMATION
- ELONGATION
- PLASTIC DEFORMATION
- TEMPERATURE INVERSIONS

#### TENSILE PROPERTIES

- GS MECHANICAL PROPERTIES
  - . **TENSILE PROPERTIES**
- RT ELASTIC PROPERTIES
- HIGH STRENGTH ALLOYS
- ∞ PROPERTIES

#### TENSILE STRENGTH

- GS MECHANICAL PROPERTIES
  - . **TENSILE STRENGTH**
- RT DUCTILITY
- ELASTIC PROPERTIES
- ELONGATION
- FIBER STRENGTH
- HIGH STRENGTH
- HYSTERESIS
- POISSON RATIO
- RESIDUAL STRENGTH
- RESILIENCE
- SHEAR STRENGTH
- ∞ STRENGTH
- TOUGHNESS

#### TENSILE STRESS

- GS STRESSES
  - . **TENSILE STRESS**
- RT AXIAL STRESS
- HIGH STRENGTH
- HOOPS
- INTERFACIAL TENSION
- STRESS INTENSITY FACTORS
- ∞ TENSION
- TRIAxIAL STRESSES

#### TENSILE TESTS

- RT DESTRUCTIVE TESTS
- FATIGUE TESTS
- LOAD TESTS
- SPECIMEN GEOMETRY
- STATIC TESTS
- ∞ TESTS

#### TENSIMETERS

- GS MEASURING INSTRUMENTS
  - . **TENSIMETERS**
- RT CABLE FORCE RECORDERS
- MECHANICAL MEASUREMENT

#### ∞ TENSION

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT BLOOD PRESSURE
- INTERFACIAL TENSION
- PARTIAL PRESSURE
- STRETCHING
- TEMPERATURE INVERSIONS
- TENSILE STRESS

#### TENSOMETERS

- GS MEASURING INSTRUMENTS
  - . **TENSOMETERS**
- RT DEFORMETERS
- EXTENSOMETERS
- STRAIN GAGES
- STRESS MEASUREMENT
- WEIGHT INDICATORS

#### TENSOR ANALYSIS

- GS GEOMETRY
  - . DIFFERENTIAL GEOMETRY
  - . . . **TENSOR ANALYSIS**
- RT RELATIVITY
- SCALARS
- SCALERS

### TENSOR ANALYSIS-(CONT.)

TENSORS

#### TENSOR FIELDS

- USE TENSORS

#### TENSORS

- UF TENSOR FIELDS
- TRANSFORMATION TENSORS
- GS ALGEBRA
  - . **TENSORS**
  - . . . STRESS TENSORS
- RT FIELD THEORY (PHYSICS)
- JORDAN FORM
- SCALARS
- TENSOR ANALYSIS

#### TEPHIGRAMS

- GS DIAGRAMS
  - . **TEPHIGRAMS**
- RT ATMOSPHERIC TURBULENCE
- ENTROPY
- LAPSE RATE
- TEMPERATURE
- TEMPERATURE INVERSIONS
- THERMODYNAMIC PROPERTIES

#### TERBIUM

- GS CHEMICAL ELEMENTS
  - . RARE EARTH ELEMENTS
  - . . . **TERBIUM**
  - . . . . TERBIUM ISOTOPES
- METALS
  - . RARE EARTH ELEMENTS
  - . . . **TERBIUM**
  - . . . . TERBIUM ISOTOPES
- RT TERBIUM COMPOUNDS

#### TERBIUM COMPOUNDS

- GS RARE EARTH COMPOUNDS
  - . **TERBIUM COMPOUNDS**
- RT TERBIUM

#### TERBIUM ISOTOPES

- UF TERBIUM 155
- TERBIUM 161
- GS CHEMICAL ELEMENTS
  - . NUCLIDES
  - . . . ISOTOPES
  - . . . . **TERBIUM ISOTOPES**
  - . . . . RARE EARTH ELEMENTS
  - . . . . TERBIUM
  - . . . . **TERBIUM ISOTOPES**
- METALS
  - . RARE EARTH ELEMENTS
  - . . . **TERBIUM**
  - . . . . **TERBIUM ISOTOPES**

#### TERBIUM 155

- USE TERBIUM ISOTOPES

#### TERBIUM 161

- USE TERBIUM ISOTOPES

#### TERCOM

- UF TERRAIN CONTOUR MATCHING
- NAVIGATION SYSTEM
- GS NAVIGATION AIDS
  - . **TERCOM**
  - . ONBOARD EQUIPMENT
  - . AIRBORNE EQUIPMENT
  - . . . **TERCOM**
  - . . . AIRCRAFT EQUIPMENT
  - . . . . **TERCOM**
- RT DISPLAY DEVICES
- FLIGHT INSTRUMENTS
- MAP MATCHING GUIDANCE
- NAVIGATION INSTRUMENTS
- ∞ SYSTEMS
- VIDEO LANDMARK ACQUISITION AND TRACKING

#### TEREPHTHALATE

- GS **TEREPHTHALATE**
  - . POLYETHYLENE TEREPHTHALATE
- RT CARBOXYLIC ACIDS
- DICARBOXYLIC ACIDS

#### TERMINAL AREA ENERGY MANAGEMENT

- GS MANAGEMENT
  - . **TERMINAL AREA ENERGY MANAGEMENT**
- RT DIGITAL TECHNIQUES
- SPACE SHUTTLE ORBITERS

### TERMINAL AREA ENERGY-(CONT.)

SPACE TRANSPORTATION  
SPACECRAFT LANDING

#### TERMINAL BALLISTICS

- UF PENETRATION BALLISTICS
- PROJECTILE PENETRATION
- TARGET PENETRATION
- GS BALLISTICS
  - . **TERMINAL BALLISTICS**
- RT ENERGY TRANSFER
- FRAGMENTATION
- MISSILES
- PENETRATION
- PRECISION GUIDED PROJECTILES
- PROJECTILES

#### TERMINAL CONFIGURED VEHICLE PROGRAM

- UF TCV PROGRAM
- GS PROGRAMS
  - . NASA PROGRAMS
  - . . . **TERMINAL CONFIGURED VEHICLE PROGRAM**
- RT AIRCRAFT DESIGN
- AUTOMATIC CONTROL
- AUTOMATIC FLIGHT CONTROL
- AUTOMATIC LANDING CONTROL
- ELECTRONIC CONTROL
- FEEDBACK CONTROL
- ∞ VEHICLES

#### TERMINAL FACILITIES

- GS **TERMINAL FACILITIES**
  - . SHIP TERMINALS
- RT ARTIFICIAL HARBORS
- DEEPWATER TERMINALS
- ∞ FACILITIES
- HARBORS
- OFFSHORE DOCKING
- OFFSHORE PLATFORMS
- SITE SELECTION
- TANKER TERMINALS
- ∞ TERMINALS
- TRANSPORTATION
- WHARVES

#### TERMINAL GUIDANCE

- GS GUIDANCE (MOTION)
  - . **TERMINAL GUIDANCE**
  - . . . LASER GUIDANCE
- RT COMMAND GUIDANCE
- DESCENT TRAJECTORIES
- ENTRY GUIDANCE (STS)
- GLIDE PATHS
- HOMING
- INERTIAL GUIDANCE
- MIDCOURSE GUIDANCE
- REENTRY
- REENTRY GUIDANCE
- REENTRY TRAJECTORIES
- REENTRY VEHICLES
- RENDEZVOUS GUIDANCE
- SPACECRAFT GUIDANCE

#### TERMINAL VELOCITY

- GS RATES (PER TIME)
  - . **TERMINAL VELOCITY**
  - . VELOCITY
  - . . . **TERMINAL VELOCITY**
- RT GRAVITATION

#### ∞ TERMINALS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT CONNECTORS
- DATA PROCESSING TERMINALS
- ELECTRIC TERMINALS
- ∞ HEADERS
- JUMPERS
- OUTLETS
- SHIP TERMINALS
- TERMINAL FACILITIES

#### TERMINATING

- USE STOPPING

#### TERMINATOR LINES

- RT ∞ LINES
- LUNAR PHASES
- ∞ PHASES
- SUNRISE
- SUNSET

## TEST FACILITIES

### TERMINOLOGY

RT DICTIONARIES  
NOMENCLATURES  
THESAURI  
WORDS (LANGUAGE)

### TERMS

RT INFORMATION THEORY  
THESAURI

### TERNARY ALLOYS

GS ALLOYS  
. TERNARY ALLOYS  
. . . ASTROLOY (TRADEMARK)  
RT ALLOYING

### TERNARY SYSTEMS

RT ALLOYS  
BINARY SYSTEMS (MATERIALS)  
SOLID SOLUTIONS  
∞ SYSTEMS

### TERNARY SYSTEMS (DIGITAL)

USE DIGITAL SYSTEMS

### TERPENES

GS TERPENES  
. AZULENE  
. CAMPHOR  
. MECAMYLAMINE  
. MENTHOL  
. TURPENTINE  
RT ALIPHATIC HYDROCARBONS  
ALKENES

### TERPHENYLS

GS PHENYLS  
. TERPHENYLS

### TERRACES (LANDFORMS)

GS LANDFORMS  
. TERRACES (LANDFORMS)  
. . . PLATEAUS  
. . . ALLEGHENY PLATEAU (US)  
. . . COLORADO PLATEAU (US)  
. . . MESAS  
. . . BUTTES  
. . . PIEDMONT  
. . . CENTRAL PIEDMONT (US)  
RT FORMATIONS  
MOUNTAINS

### TERRADYNAMICS

RT ∞ DYNAMICS  
EARTH SURFACE  
GEODYNAMICS  
PROJECTILES

### TERRAIN

UF LANDSCAPE  
GS TOPOGRAPHY  
. TERRAIN  
RT GEOMORPHOLOGY  
LANDFORMS  
LANDMARKS

### TERRAIN ANALYSIS

UF SATAN (SENSOR)  
RT ∞ ANALYZING  
CHANGE DETECTION  
EARTH RESOURCES  
EROS (SATELLITES)  
GEOGRAPHIC APPLICATIONS PROGRAM  
HOLOGRAMMETRY  
MAPPING  
NAP-OF-THE-EARTH NAVIGATION  
PHOTOGRAMMETRY  
RECONNAISSANCE  
SATELLITE SURFACES  
SOIL MAPPING  
VIDEO LANDMARK ACQUISITION AND  
TRACKING

### TERRAIN CONTOUR MATCHING NAVIGATION SYSTEM

USE TERCOM

### TERRAIN FOLLOWING AIRCRAFT

GS TERRAIN FOLLOWING AIRCRAFT  
. TSR-2 AIRCRAFT  
RT AH-1G HELICOPTER  
AH-63 HELICOPTER  
AH-64 HELICOPTER  
∞ AIRCRAFT

### TERRAIN FOLLOWING AIRCRAFT-(CONT.)

ATTACK AIRCRAFT  
JET AIRCRAFT  
LIGHT AIRCRAFT  
∞ MILITARY AIRCRAFT  
NAP-OF-THE-EARTH NAVIGATION  
OBSERVATION AIRCRAFT  
∞ SUBSONIC AIRCRAFT  
UTILITY AIRCRAFT

### TERRESTRIAL DUST BELT

GS PARTICLES  
. DUST  
. . . TERRESTRIAL DUST BELT  
RT ∞ BELTS  
COSMIC DUST  
GEGENSCHNEID  
METEOROID DUST CLOUDS  
MICROMETEORIDS  
ZODIACAL DUST

### TERRESTRIAL MAGNETISM

USE GEOMAGNETISM

### TERRESTRIAL PLANETS

GS CELESTIAL BODIES  
. PLANETS  
. . . TERRESTRIAL PLANETS  
. . . EARTH (PLANET)  
. . . MARS (PLANET)  
. . . MERCURY (PLANET)  
. . . VENUS (PLANET)  
RT CELESTIAL MECHANICS  
MERCURY SURFACE  
PLANETARY ENVIRONMENTS  
PLANETOLOGY  
SOLAR SYSTEM

### TERRESTRIAL RADIATION

SN (EXCLUDES ATMOSPHERIC RADIATION  
AND REFLECTED VISIBLE LIGHT)  
UF EARTH RADIATION  
GS ELECTROMAGNETIC RADIATION  
. TERRESTRIAL RADIATION  
RT ATMOSPHERIC RADIATION  
EARTH (PLANET)  
EARTH ALBEDO  
EARTH RADIATION BUDGET  
EARTH RADIATION BUDGET  
EXPERIMENT  
EXTRATERRESTRIAL RADIATION  
FAR INFRARED RADIATION  
GREENHOUSE EFFECT  
INFRARED RADIATION  
NEAR INFRARED RADIATION  
PLANETARY RADIATION  
∞ RADIATION  
TROPOSPHERIC RADIATION

### TERRIER MISSILE

GS MISSILES  
. ANTI-AIRCRAFT MISSILES  
. . . TERRIER MISSILE  
. . . SURFACE TO AIR MISSILES  
. . . TERRIER MISSILE  
RT BUMBLEBEE PROJECT  
MULTISTAGE ROCKET VEHICLES  
SOLID PROPELLANT ROCKET ENGINES

### TESSERAL HARMONICS

GS ANALYSIS (MATHEMATICS)  
. FUNCTIONAL ANALYSIS  
. . . HARMONIC ANALYSIS  
. . . TESSERAL HARMONICS  
HARMONICS  
RT TESSERAL HARMONICS  
SATELLITE PERTURBATION

### TEST BEDS

USE TEST EQUIPMENT

### TEST CHAMBERS

UF ENVIRONMENTAL CHAMBERS  
COMPARTMENTS  
GS . TEST CHAMBERS  
. ANECHOIC CHAMBERS  
. PRESSURE CHAMBERS  
. . . HYPERBARIC CHAMBERS  
. . . VACUUM CHAMBERS  
. . . REVERBERATION CHAMBERS  
RT ∞ CAPSULES  
∞ CHAMBERS  
CRYOGENIC WIND TUNNELS  
ENVIRONMENT MODELS  
ENVIRONMENT SIMULATORS

### TEST CHAMBERS-(CONT.)

ENVIRONMENTAL CONTROL  
ENVIRONMENTAL LABORATORIES  
ENVIRONMENTAL TESTS  
THERMAL VACUUM TESTS  
VACUUM TESTS  
WIND TUNNELS

### ∞ TEST EQUIPMENT

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
UF CHECKOUT EQUIPMENT  
TEST BEDS  
TESTERS  
TESTING MACHINES  
RT ANALYZERS  
ASTRONOMICS  
AUTOMATIC TEST EQUIPMENT  
AVIONICS  
∞ CAPSULES  
CEFOAM CHECKOUT EQUIPMENT  
CENTRIFUGES  
CHECKOUT  
DYNAMOMETERS  
EARTH TERMINAL MEASUREMENT  
SYSTEM  
ELECTRONIC EQUIPMENT TESTS  
∞ EQUIPMENT  
FATIGUE TESTING MACHINES  
FREE FLIGHT TEST APPARATUS  
FREQUENCY ANALYZERS  
GEOPHYSICAL FLUID FLOW CELLS  
GROUND SUPPORT EQUIPMENT  
HYPERSONIC TEST APPARATUS  
IMPACT TESTING MACHINES  
LOAD TESTING MACHINES  
MEASURING INSTRUMENTS  
MONOSCOPES  
ONBOARD EQUIPMENT  
ROCKET PROPELLED SLEDS  
SAMPLERS  
SIMULATORS  
SUPERSONIC TEST APPARATUS  
TEST FACILITIES  
TEST PATTERN GENERATORS  
TEST STANDS  
WIND TUNNEL MODELS  
WIND TUNNELS

### TEST FACILITIES

GS TEST FACILITIES  
. ANECHOIC CHAMBERS  
. CENTRAL ATLANTIC REGIONAL ECOLOGICAL  
TEST SITE  
. ENGINE TESTING LABORATORIES  
. ENVIRONMENTAL LABORATORIES  
. HYDRAULIC TEST TUNNELS  
. REVERBERATION CHAMBERS  
. ROCKET TEST FACILITIES  
. TEST RANGES  
. . . BALLISTIC RANGES  
. . . MISSILE RANGES  
. . . TEST STANDS  
. TRANSIENT REACTOR TEST FACILITY  
. WIND TUNNELS  
. . . BLOWDOWN WIND TUNNELS  
. . . COMBUSTION WIND TUNNELS  
. . . CRYOGENIC WIND TUNNELS  
. . . HYPERSONIC WIND TUNNELS  
. . . CASCADE WIND TUNNELS  
. . . HOTSHOT WIND TUNNELS  
. . . PLASMA JET WIND TUNNELS  
. . . SHOCK TUNNELS  
. . . HYPERVELOCITY WIND TUNNELS  
. . . CASCADE WIND TUNNELS  
. . . HOTSHOT WIND TUNNELS  
. . . PLASMA JET WIND TUNNELS  
. . . SHOCK TUNNELS  
. . . LOW DENSITY WIND TUNNELS  
. . . LOW SPEED WIND TUNNELS  
. . . SUBSONIC WIND TUNNELS  
. . . RECTANGULAR WIND TUNNELS  
. . . SLOTTED WIND TUNNELS  
. . . SUPERSONIC WIND TUNNELS  
. . . TRANSONIC WIND TUNNELS  
. . . TRISONIC WIND TUNNELS  
RT ARIZONA REGIONAL ECOLOGICAL TEST  
SITE  
∞ FACILITIES  
FLIGHT SIMULATORS  
LABORATORIES  
MODELS  
MOTION SIMULATORS  
RESEARCH FACILITIES

## TEST FIRING

### TEST FACILITIES-(CONT.)

- SHOCK TUBES
- SIMULATORS
- SOLAR SIMULATORS
- SPACECRAFT CABIN SIMULATORS
- ∞ TEST EQUIPMENT
- ∞ TESTS

### TEST FIRING

- GS FIRING (IGNITING)
  - . TEST FIRING
  - . . . STATIC FIRING
- RT ENGINE TESTS
  - FUEL TESTS
  - GROUND TESTS
  - MISSILE TESTS
  - PREFIRING TESTS
  - PRELAUNCH TESTS
  - ROCKET FIRING
  - ROCKET TEST FACILITIES
  - STATIC TESTS
- ∞ TESTS

### TEST PATTERN GENERATORS

- RT ∞ FAULTS
- ∞ GENERATORS
- ∞ PATTERNS
- ∞ TEST EQUIPMENT

### TEST PILOTS

- GS PERSONNEL
  - . FLYING PERSONNEL
  - . . PILOTS (PERSONNEL)
  - . . . AIRCRAFT PILOTS
  - . . . . TEST PILOTS
  - . . . . OPERATORS (PERSONNEL)
  - . . . . PILOTS (PERSONNEL)
  - . . . . AIRCRAFT PILOTS
  - . . . . . TEST PILOTS
- RT ∞ PILOTS

### TEST RANGES

- GS RANGES (FACILITIES)
  - . TEST RANGES
  - . . BALLISTIC RANGES
  - . . MISSILE RANGES
  - TEST FACILITIES
  - . TEST RANGES
  - . . BALLISTIC RANGES
  - . . MISSILE RANGES
- RT DOWNRANGE
  - DOWNRANGE MEASUREMENT
  - RANGE SAFETY
  - ROCKET TEST FACILITIES

### TEST STANDS

- GS TEST FACILITIES
  - . TEST STANDS
- RT ENGINE TESTS
  - FLAME DEFLECTORS
  - PREFIRING TESTS
  - PRELAUNCH TESTS
  - ROCKET TEST FACILITIES
- ∞ TEST EQUIPMENT

### TEST VEHICLES

- GS TEST VEHICLES
  - . FLIGHT TEST VEHICLES
- RT ∞ AIRCRAFT
  - ALTITUDE TESTS
- ∞ BALLISTIC VEHICLES
- ∞ CAPSULES
  - ELECTRIC MOTOR VEHICLES
  - HIGH ALTITUDE TESTS
  - HYPERSONIC VEHICLES
  - LAUNCH VEHICLES
  - MISSILE TESTS
  - MISSILES
  - REENTRY VEHICLES
  - RESEARCH AIRCRAFT
  - ROCKET VEHICLES
- ∞ SPACECRAFT
- ∞ TESTS
- ∞ TOWED BODIES
- ∞ VEHICLES

### TESTERS

- USE TEST EQUIPMENT

### TESTES

- GS ANATOMY
  - . GENITOURINARY SYSTEM
  - . . REPRODUCTIVE SYSTEMS
  - . . . SEX GLANDS
  - . . . . GONADS

### TESTES-(CONT.)

- . . . . . TESTES
- . . . . . GLANDS (ANATOMY)
- . . . . . ENDOCRINE GLANDS
- . . . . . GONADS
- . . . . . TESTES
- . . . . . SEX GLANDS
- . . . . . GONADS
- . . . . . TESTES
- RT ∞ REPRODUCTION

### TESTING

- USE TESTS

### TESTING MACHINES

- USE TEST EQUIPMENT

### TESTING TIME

- GS TIME
  - . TESTING TIME
- RT BURNING TIME
  - ENGINE TESTS
  - FATIGUE TESTS
  - FLIGHT TIME
- ∞ TESTS
  - TURNAROUND (STS)
  - WINDOWS (INTERVALS)

### ∞ TESTS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED—CONSULT THE TERMS LISTED BELOW)*
- UF PRETESTS
  - TESTING
- RT ACCELERATED LIFE TESTS
  - ACCEPTABILITY
  - ACCURACY
  - ADHESION TESTS
  - ALTITUDE TESTS
  - APPROACH AND LANDING TESTS (STS)
  - BEND TESTS
  - CAPTIVE TESTS
  - CHECKOUT
  - CHEMICAL ANALYSIS
  - CHEMICAL TESTS
  - COLD FLOW TESTS
  - COLD WEATHER TESTS
  - COMPRESSION TESTS
  - COMPUTATIONAL CHEMISTRY
  - CONFIDENCE LIMITS
  - CORROSION TEST LOOPS
  - CORROSION TESTS
  - CREEP TESTS
  - CREW PROCEDURES (INFLIGHT)
  - CREW PROCEDURES (PREFLIGHT)
  - DAMPING TESTS
  - DESTRUCTIVE TESTS
  - DROP TESTS
  - DYNAMIC TESTS
  - EDUCATION
  - ELECTRIC EQUIPMENT TESTS
  - ELECTRONIC EQUIPMENT TESTS
  - EMPLOYMENT
  - ENGINE TESTS
  - ENVIRONMENTAL TESTS
  - ERRORS
  - EVALUATION
  - EXAMINATION
  - EXTRAPOLATION
  - FATIGUE TESTS
  - FLIGHT STABILITY TESTS
  - FLIGHT TESTS
  - FUEL TESTS
  - FULL SCALE TESTS
  - GROUND TESTS
  - HARDNESS TESTS
  - HIGH ALTITUDE TESTS
  - HIGH TEMPERATURE TESTS
  - IMPACT TESTS
  - LABORATORIES
  - LOAD TESTS
  - LOW TEMPERATURE TESTS
  - LUBRICANT TESTS
- ∞ MATERIALS TESTS
  - MEDIAN (STATISTICS)
  - MISSILE TESTS
  - NONDESTRUCTIVE TESTS
  - NOTCH TESTS
  - ORBITAL SPACE TESTS
  - PATCH TESTS
  - PERFORMANCE TESTS
  - PERSONALITY TESTS
  - PHYSIOLOGICAL TESTS
  - PREFIRING TESTS
  - PREFLIGHT ANALYSIS

### TESTS-(CONT.)

- PRELAUNCH TESTS
- PROGRAM VERIFICATION (COMPUTERS)
- PROPELLANT TESTS
- PROVING
- PSYCHOLOGICAL TESTS
- QUALIFICATIONS
- QUALITY
- QUALITY CONTROL
- RAILROAD HUMMING TESTS
- RANK TESTS
- REACTOR STARTUP TESTS
- RECORDS
- RELIABILITY
- RESONANCE TESTING
- RORSCHACH TESTS
- SALT SPRAY TESTS
- SAMPLING
- SELECTION
- SELF TESTS
- SHOCK TESTS
- SNELLEN TESTS
- SPACE ELECTRIC ROCKET TESTS
- SPACE TRANSPORTATION SYSTEM FLIGHTS
- SPACE VEHICLE CHECKOUT PROGRAM
- SPIN TESTS
- STABILITY TESTS
- STATIC TESTS
- STATISTICAL TESTS
- STROKING TESTS
- TASKS
- TENSILE TESTS
- TEST FACILITIES
- TEST FIRING
- TEST VEHICLES
- TESTING TIME
- THERMAL CYCLING TESTS
- THERMAL VACUUM TESTS
- ULTRASONIC TESTS
- VACUUM TESTS
- VIBRATION TESTS
- WATER TUNNEL TESTS
- WEAR TESTS
- WELD TESTS
- WIND TUNNEL STABILITY TESTS
- WIND TUNNEL TESTS
- WING FLOW METHOD TESTS
- X RAY INSPECTION

### TETHERED BALLOONS

- UF KITE BALLOONS
- GS EXPANDABLE STRUCTURES
  - . INFLATABLE STRUCTURES
  - . . BALLOONS
  - . . . TETHERED BALLOONS
- RT METEOROLOGICAL BALLOONS
  - REELS

### TETHERED SATELLITES

- GS ARTIFICIAL SATELLITES
  - . TETHERED SATELLITES
- RT REELS

### TETHERING

- RT ORBITAL RENDEZVOUS
  - REELS
  - TETHERLINES

### TETHERLINES

- RT ANCHORS (FASTENERS)
  - ∞ CABLES
  - ∞ LINES
- TETHERING
- UMBILICAL CONNECTORS

### TETHYS

- GS CELESTIAL BODIES
  - . NATURAL SATELLITES
  - . . ICY SATELLITES
  - . . . TETHYS
  - . . . SATURN SATELLITES
  - . . . . TETHYS
- RT SATURN (PLANET)

### TETRABUTYLS

### TETRACHLORIDES

- GS HALOGEN COMPOUNDS
  - . CHLORINE COMPOUNDS
  - . . CHLORIDES
  - . . . TETRACHLORIDES
  - . . . HALIDES
  - . . . CHLORIDES
  - . . . . TETRACHLORIDES

# THEMIS PROJECT

## TETRACHLOROMETHANE

USE CARBON TETRACHLORIDE

## TETRACYCLINES

GS DRUGS  
 . ANTIBIOTICS  
 . . TETRACYCLINES  
 ORGANIC COMPOUNDS  
 . CYCLIC COMPOUNDS  
 . . HETEROCYCLIC COMPOUNDS  
 . . . TETRACYCLINES

## TETRAD THEORY

RT CHROMOSOMES  
 MIOSIS  
 SPORES  
 ∞ THEORIES

## TETRAETHYL ORTHOCARBONATES

GS CARBON COMPOUNDS  
 . CARBONATES  
 . . TETRAETHYL ORTHOCARBONATES

## TETRAETHYL ORTHOSILICATE

GS ADHESIVES  
 . TETRAETHYL ORTHOSILICATE  
 RT ETHYL COMPOUNDS  
 GLUES  
 SILICATES

## TETRAFLUOROXYDRAZINE

GS AMINES  
 . TETRAFLUOROXYDRAZINE  
 HALOGEN COMPOUNDS  
 . FLUORINE COMPOUNDS  
 . . FLUORO COMPOUNDS  
 . . . TETRAFLUOROXYDRAZINE  
 HYDRAZINES  
 . TETRAFLUOROXYDRAZINE  
 RT ROCKET OXIDIZERS

## TETRAGONS

GS GEOMETRY  
 . EUCLIDEAN GEOMETRY  
 . . POLYGONS  
 . . . TETRAGONS  
 . . . . PARALLELOGRAMS  
 . . . . RHOMBOIDS  
 . . . . RECTANGLES  
 . . . . SQUARES (MATHEMATICS)  
 . . . . TRAPEZOIDS

## TETRAHEDRONS

GS GEOMETRY  
 . EUCLIDEAN GEOMETRY  
 . . POLYHEDRONS  
 . . . TETRAHEDRONS  
 RT TRIANGLES

## TETRAHYDROFURAN

UF BUTYLENE OXIDES  
 GS ORGANIC COMPOUNDS  
 . CYCLIC COMPOUNDS  
 . . HETEROCYCLIC COMPOUNDS  
 . . . FURANS  
 . . . . TETRAHYDROFURAN  
 SOLVENTS  
 . TETRAHYDROFURAN  
 RT ADDITIVES  
 ∞ CHEMICAL COMPOUNDS  
 PLASTICS  
 POLYVINYL CHLORIDE

## TETRANITROTETRAZACYCLOOCTANE

USE HMX

## TETRAPHENYLS

GS PHENYLS  
 . POLYPHENYLS  
 . . TETRAPHENYLS

## TETRAZOLES

GS ORGANIC COMPOUNDS  
 . CYCLIC COMPOUNDS  
 . . HETEROCYCLIC COMPOUNDS  
 . . . TETRAZOLES

## TETRODES

RT ELECTRON TUBES  
 PENTODES  
 SEMICONDUCTOR DEVICES  
 TRANSISTORS  
 TRIODES

## TETROONS

USE SUPERPRESSURE BALLOONS

## TETRYL

GS AMINES  
 . TETRYL  
 EXPLOSIVES  
 . TETRYL  
 NITROGEN COMPOUNDS  
 . NITRO COMPOUNDS  
 . . TETRYL  
 PROPELLANTS  
 . TETRYL

## TEXAS

GS NATIONS  
 . UNITED STATES  
 . . TEXAS  
 RT GULF OF MEXICO  
 HOUSTON (TX)  
 LAKE TEXOMA (OK-TX)  
 RIO GRANDE (NORTH AMERICA)

## TEXTBOOKS

GS DOCUMENTS  
 . TEXTBOOKS  
 RT EDUCATION  
 HANDBOOKS  
 KNOWLEDGE  
 LEARNING  
 LIBRARIES  
 MANUALS  
 SUBJECTS

## TEXTILES

GS TEXTILES  
 . COTTON FIBERS  
 . LINEN  
 . RAYON  
 RT CLOTHING  
 COTTON  
 FABRICS  
 FIBERS  
 VAPOR BARRIER CLOTHING  
 WET SPINNING

## TEXTS

GS DOCUMENTS  
 . TEXTS  
 RT FORMAT  
 RECORDS

## TEXTURES

RT CURL (MATERIALS)  
 FINENESS  
 MECHANICAL PROPERTIES  
 POROSITY  
 SURFACE PROPERTIES

## TF-30 ENGINE

GS AIRCRAFT ENGINES  
 . TF-30 ENGINE  
 ENGINES  
 . INTERNAL COMBUSTION ENGINES  
 . . GAS TURBINE ENGINES  
 . . . JET ENGINES  
 . . . . TURBOJET ENGINES  
 . . . . TURBOFAN ENGINES  
 . . . . . TF-30 ENGINE  
 . . . . . TURBINE ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . TURBOFAN ENGINES  
 . . . . . TF-30 ENGINE

## TF-34 ENGINE

GS AIRCRAFT ENGINES  
 . TF-34 ENGINE  
 RT CONVERTIBLE FAN-SHAFT ENGINES

## TF-41 ENGINE

GS AIRCRAFT ENGINES  
 . TF-41 ENGINE  
 ENGINES  
 . AIR BREATHING ENGINES  
 . . GAS TURBINE ENGINES  
 . . . JET ENGINES  
 . . . . TURBOJET ENGINES  
 . . . . . TURBOFAN ENGINES  
 . . . . . TF-41 ENGINE  
 . . . . . INTERNAL COMBUSTION ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES

## TF-41 ENGINE-(CONT.)

. . . . . TURBOJET ENGINES  
 . . . . . TURBOFAN ENGINES  
 . . . . . TF-41 ENGINE  
 . . . . . TURBINE ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . TURBOFAN ENGINES  
 . . . . . TF-41 ENGINE

## TFX AIRCRAFT

USE F-111 AIRCRAFT

## TH-55 HELICOPTER

GS HUGHES AIRCRAFT  
 . TH-55 HELICOPTER  
 V/STOL AIRCRAFT  
 . ROTARY WING AIRCRAFT  
 . . HELICOPTERS  
 . . . TH-55 HELICOPTER

## THAILAND

GS NATIONS  
 . THAILAND  
 RT ASIA

## THALAMUS

GS ANATOMY  
 . NERVOUS SYSTEM  
 . . CENTRAL NERVOUS SYSTEM  
 . . . BRAIN  
 . . . . DIENCEPHALON  
 . . . . . THALAMUS

## THALLIUM

GS CHEMICAL ELEMENTS  
 . THALLIUM  
 . . THALLIUM ISOTOPES  
 METALS  
 . THALLIUM  
 . . THALLIUM ISOTOPES  
 RT THALLIUM COMPOUNDS

## THALLIUM ALLOYS

GS ALLOYS  
 . THALLIUM ALLOYS

## THALLIUM COMPOUNDS

RT ∞ METAL COMPOUNDS  
 THALLIUM

## THALLIUM ISOTOPES

GS CHEMICAL ELEMENTS  
 . THALLIUM  
 . . THALLIUM ISOTOPES  
 METALS  
 . THALLIUM  
 . . THALLIUM ISOTOPES

## THAWING

USE MELTING

## THEMATIC MAPPERS (LANDSAT)

GS OPTICAL EQUIPMENT  
 . OPTICAL SCANNERS  
 . . MULTISPECTRAL BAND SCANNERS  
 . . . THEMATIC MAPPERS (LANDSAT)  
 REMOTE SENSORS  
 . THEMATIC MAPPERS (LANDSAT)  
 SCANNERS  
 . OPTICAL SCANNERS  
 . . MULTISPECTRAL BAND SCANNERS  
 . . . THEMATIC MAPPERS (LANDSAT)  
 RT LANDSAT 4  
 LANDSAT 5  
 REMOTE SENSING  
 THEMATIC MAPPING

## THEMATIC MAPPING

GS MAPPING  
 . THEMATIC MAPPING  
 RT CADASTRAL MAPPING  
 MAPS  
 PHOTO GEOLOGY  
 PHOTOMAPPING  
 PHOTOMAPS  
 THEMATIC MAPPERS (LANDSAT)

## THEMIS PROJECT

GS PROGRAMS  
 . PROJECTS  
 . . THEMIS PROJECT



## THEODOLITES

### THEODOLITES

- GS MEASURING INSTRUMENTS
  - . OPTICAL MEASURING INSTRUMENTS
  - . TRANSITS
  - . THEODOLITES
  - . . . CINETHEODOLITES
  - OPTICAL EQUIPMENT
  - . OPTICAL MEASURING INSTRUMENTS
  - . TRANSITS
  - . THEODOLITES
  - . . . CINETHEODOLITES
- RT SEXTANTS

### THEODORSEN TRANSFORMATION

- RT AIRFOIL PROFILES
  - . COMPLEX VARIABLES
  - . CONFORMAL MAPPING
  - . COORDINATE TRANSFORMATIONS
  - . JOUKOWSKI TRANSFORMATION
  - . PRESSURE DISTRIBUTION

### THEOREM PROVING

- GS PROBLEM SOLVING
  - . THEOREM PROVING
  - . PROVING
  - . THEOREM PROVING
- RT ARTIFICIAL INTELLIGENCE
  - . COMPUTER PROGRAMMING
  - . THEOREMS

### THEOREMS

- UF LEMMAS
- GS THEOREMS
  - . ADDITION THEOREM
  - . BAYES THEOREM
  - . BERNOLLI THEOREM
  - . BINOMIAL THEOREM
  - . CASTIGLIANO VARIATIONAL THEOREM
  - . DUALITY THEOREM
  - . EQUIPARTITION THEOREM
  - . EXISTENCE THEOREMS
  - . FLOQUET THEOREM
  - . GAUSS-MARKOV THEOREM
  - . HELLMANN-FEYNMAN THEOREM
  - . KAKUTANI THEOREM
  - . LEBESGUE THEOREM
  - . LIOUVILLE THEOREM
  - . MICHELL THEOREM
  - . POMERANCHUK THEOREM
  - . POYNTING THEOREM
  - . RECIPROCAL THEOREMS
  - . RECIPROCITY THEOREM
  - . RICHARDS THEOREM
  - . RIESZ THEOREM
  - . SCHAUDER FIXPOINT THEOREM
  - . SIMILARITY THEOREM
  - . . . LAGRANGE SIMILARITY HYPOTHESIS
  - . STOKES THEOREM (VECTOR CALCULUS)
  - . UNIQUENESS THEOREM
  - . VIRIAL THEOREM
- RT HYPOTHESES
  - . MATHEMATICAL LOGIC
  - . MATHEMATICS
  - . TAYLOR SERIES
  - . THEOREM PROVING

### THEORETICAL PHYSICS

- GS THEORETICAL PHYSICS
  - . NEWTON THEORY
  - . QUANTUM THEORY
  - . . BOHR THEORY
- RT ASTROPHYSICS
  - . BROKEN SYMMETRY
  - . CHARM (PARTICLE PHYSICS)
  - . ELECTROPHYSICS
  - . FLAVOR (PARTICLE PHYSICS)
  - . GEOPHYSICS
  - . GRAND UNIFIED THEORY
  - . NAKED SINGULARITIES
  - . NUCLEAR PHYSICS
  - . PHYSICS
  - . PLASMA PHYSICS
  - . RADIO PHYSICS
  - . SCIENCE
  - . SOLID STATE PHYSICS
  - . STRANGE ATTRACTORS
  - . STRING THEORY
  - . SUPERGRAVITY
  - . SUPERSYMMETRY
  - . UNIFIED FIELD THEORY
  - . YANG-MILLS THEORY

### THEORIES

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT ABRIKOSOV THEORY
  - . ASSUMPTIONS
  - . ATOMIC THEORY
  - . AUTOMATA THEORY
  - . BCS THEORY
  - . BELLMAN THEORY
  - . BENDING THEORY
  - . BESSEL-BREDICHIN THEORY
  - . BIMETRIC THEORIES
  - . BOGOLIUBOV THEORY
  - . BOHR THEORY
  - . BORN-INFELD THEORY
  - . CATASTROPHE THEORY
  - . CHAPMAN-ENSKOG THEORY
  - . COMMUNICATION THEORY
  - . CONTROL THEORY
  - . CROCCO-LEE THEORY
  - . DEBYE-HUCKEL THEORY
  - . DECISION THEORY
  - . DIFFUSION THEORY
  - . DYNAMO THEORY
  - . DYSON THEORY
  - . EYRING THEORY
  - . FIELD MODE THEORY
  - . FIELD THEORY (ALGEBRA)
  - . FIELD THEORY (PHYSICS)
  - . FINITE DIFFERENCE THEORY
  - . FLOW THEORY
  - . FLUCTUATION THEORY
  - . FOSTER THEORY
  - . GAME THEORY
  - . GAUGE THEORY
  - . GEOMETRICAL THEORY OF DIFFRACTION
  - . GESTALT THEORY
  - . GLAUBER THEORY
  - . GOAL THEORY
  - . GRAPH THEORY
  - . GRAVITATION THEORY
  - . GRIFFITH CRACK
  - . GROUP THEORY
  - . HANSEN LUNAR THEORY
  - . HEISENBERG THEORY
  - . HILL LUNAR THEORY
  - . HOMOTOPY THEORY
  - . HUECKEL THEORY
  - . HYPOTHESES
  - . INFORMATION THEORY
  - . JEANS THEORY
  - . KINETIC THEORY
  - . KOLMOGOROFF THEORY
  - . LEARNING THEORY
  - . MALKUS THEORY
  - . MANNING THEORY
  - . MATRIX THEORY
  - . MICHAELIS THEORY
  - . MIXING LENGTH FLOW THEORY
  - . MOLECULAR THEORY
  - . MOMENTUM THEORY
  - . NEWTON THEORY
  - . NONADIABATIC THEORY
  - . NUMBER THEORY
  - . NUMERICAL DIFFERENTIATION
  - . OPIK THEORY
  - . ORTHOGONAL MULTIPLEXING THEORY
  - . PARTICLE THEORY
  - . PERTURBATION THEORY
  - . PHYSICAL OPTICS
  - . PISTON THEORY
  - . PLATE THEORY
  - . POPULATION THEORY
  - . POTENTIAL THEORY
  - . PROBABILITY THEORY
  - . QUANTUM CHROMODYNAMICS
  - . QUANTUM THEORY
  - . QUEUEING THEORY
  - . REISSNER THEORY
  - . RELATIVISTIC THEORY
  - . S MATRIX THEORY
  - . SADDLE POINTS (GAME THEORY)
  - . SET THEORY
  - . SHELL THEORY
  - . SPECTRAL THEORY
  - . STATISTICAL DECISION THEORY
  - . STRONG INTERACTIONS (FIELD THEORY)
  - . STURM-LIOUVILLE THEORY
  - . SWITCHING THEORY
  - . TETRAD THEORY
  - . TRANSPORT THEORY
  - . VINTI THEORY
  - . WEAK INTERACTIONS (FIELD THEORY)

### THEORIES-(CONT.)

- . YANG-MILLS THEORY
- . YOUNG-HELMHOLTZ THEORY

### THERAPY

- GS THERAPY
  - . CHEMOTHERAPY
  - . MASSAGING
  - . PSYCHOTHERAPY
  - . RADIATION THERAPY
- RT CURES
  - . DISEASES
  - . HEALING
  - . MEDICAL EQUIPMENT
  - . PATIENTS
  - . RESPIRATORS
  - . SKIN GRAFTS

### THERMAL ABSORPTION

- GS ENERGY ABSORPTION
  - . THERMAL ABSORPTION
  - . . POLAR CAP ABSORPTION
- RT ABLATION
  - . ABSORPTION
  - . ATMOSPHERIC ATTENUATION
  - . CHARRING
  - . GRAY GAS
  - . HEAT SINKS
  - . PYROLYSIS
  - . TEMPERATURE

### THERMAL ACCOMMODATION COEFFICIENTS

- USE ACCOMMODATION COEFFICIENT

### THERMAL AGITATION

- USE THERMAL ENERGY

### THERMAL ANALYSIS

- UF DIFFERENTIAL THERMAL ANALYSIS
  - . DTA (ANALYSIS)
- RT ANALYZING
  - . HEAT TRANSMISSION
  - . TEMPERATURE
  - . TEMPERATURE GRADIENTS
  - . TEMPERATURE PROFILES

### THERMAL BARRIERS (PLASMA CONTROL)

- RT BARRIERS
  - . FUSION REACTORS
  - . MIRROR FUSION
  - . PLASMA CONTROL
  - . TANDEM MIRRORS

### THERMAL BATTERIES

- GS ELECTRIC GENERATORS
  - . DIRECT POWER GENERATORS
  - . . PRIMARY BATTERIES
  - . . THERMAL BATTERIES
  - . ELECTROCHEMICAL CELLS
  - . ELECTRIC BATTERIES
  - . . PRIMARY BATTERIES
  - . . THERMAL BATTERIES
- RT ALKALINE BATTERIES
  - . DRY CELLS

### THERMAL BLOOMING

- UF LASER BEAM DEFOCUSING
  - . THERMAL DEFOCUSING
- RT LASER CUTTING
  - . LASER HEATING
  - . LASER OUTPUTS
  - . LASERS
  - . PHOTON BEAMS
  - . TEMPERATURE

### THERMAL BOUNDARY LAYER

- GS BOUNDARY LAYERS
  - . THERMAL BOUNDARY LAYER
- RT HYPERSONIC BOUNDARY LAYER
  - . LAMINAR BOUNDARY LAYER
  - . RAYLEIGH-BENARD CONVECTION
  - . TEMPERATURE
  - . TURBULENT BOUNDARY LAYER

### THERMAL BUCKLING

- GS BUCKLING
  - . THERMAL BUCKLING
- RT EXPANSION
  - . TEMPERATURE
  - . TEMPERATURE EFFECTS
  - . THERMAL EXPANSION

### THERMAL COMFORT

- RT HEAT STROKE

## **THERMAL NEUTRONS**

### **THERMAL COMFORT-(CONT.)**

TEMPERATURE  
THERMAL ENVIRONMENTS

### **THERMAL CONDUCTIVITY**

GS THERMODYNAMIC PROPERTIES  
. THERMOPHYSICAL PROPERTIES  
. **THERMAL CONDUCTIVITY**  
TRANSPORT PROPERTIES  
. **THERMAL CONDUCTIVITY**  
RT AIR CONDUCTIVITY  
ATMOSPHERIC CONDUCTIVITY  
CONDUCTIVE HEAT TRANSFER  
 $\infty$  CONDUCTIVITY  
FOURIER LAW  
HOT-WIRE FLOWMETERS  
LEWIS NUMBERS  
SPECIFIC HEAT  
TEMPERATURE  
THERMOHYDRAULICS

### **THERMAL CONDUCTIVITY GAGES**

SN (GAGES FOR MEASURING THERMAL  
CONDUCTIVITY-EXCLUDES GAGES  
USING THERMAL CONDUCTIVITY TO  
MEASURE OTHER PROPERTIES OR  
VARIABLES)  
GS MEASURING INSTRUMENTS  
. **THERMAL CONDUCTIVITY GAGES**  
RT TEMPERATURE

### **THERMAL CONDUCTORS**

GS CONDUCTORS  
. **THERMAL CONDUCTORS**  
RT  $\infty$  CONDUCTION  
CONDUCTIVE HEAT TRANSFER  
ELECTRIC CONDUCTORS  
TEMPERATURE

### **THERMAL CONTROL COATINGS**

GS COATINGS  
. **THERMAL CONTROL COATINGS**  
RT ABLATIVE MATERIALS  
 $\infty$  CONTROL  
HEAT SHIELDING  
REENTRY SHIELDING  
REUSABLE HEAT SHIELDING  
TEMPERATURE  
TEMPERATURE CONTROL

### **THERMAL CONVECTION**

USE FREE CONVECTION

### **THERMAL CURRENTS**

USE CONVECTIVE FLOW

### **THERMAL CYCLING TESTS**

RT CLOSED CYCLES  
COOLING  
ENVIRONMENTAL TESTS  
FATIGUE TESTS  
HEATING  
TEMPERATURE  
TEMPERATURE CONTROL  
 $\infty$  TESTS  
THERMODYNAMIC PROPERTIES

### **THERMAL DECOMPOSITION**

GS CHEMICAL REACTIONS  
. **THERMAL DECOMPOSITION**  
. PYROLYSIS  
DECOMPOSITION  
. **THERMAL DECOMPOSITION**  
. PYROLYSIS  
RT ABLATION  
ENDOTHERMIC REACTIONS  
EXOTHERMIC REACTIONS  
TEMPERATURE  
THERMOCHEMISTRY  
THERMOGRAVIMETRY

### **THERMAL DEFOCUSING**

USE THERMAL BLOOMING

### **THERMAL DEGRADATION**

GS DEGRADATION  
. **THERMAL DEGRADATION**  
RT PYROLYSIS  
STERILIZATION EFFECTS  
TEMPERATURE  
TEMPERATURE DEPENDENCE  
TEMPERATURE EFFECTS

### **THERMAL DIFFUSION**

GS DIFFUSION  
. **THERMAL DIFFUSION**  
THERMODYNAMIC PROPERTIES  
. THERMOPHYSICAL PROPERTIES  
. **THERMAL DIFFUSION**  
CHAPMAN-ENSKOG THEORY  
RT  $\infty$  CONDUCTION  
CONVECTIVE FLOW  
ELECTRON DIFFUSION  
GAS HEATING  
GASEOUS DIFFUSION  
HEAT TRANSFER  
KIRKENDALL EFFECT  
PECLET NUMBER  
 $\infty$  SEPARATION  
SORET COEFFICIENT  
SURFACE DIFFUSION  
TEMPERATURE  
THERMOCHEMISTRY  
THERMOHYDRAULICS  
VISCOSITY

### **THERMAL DIFFUSIVITY**

GS THERMODYNAMIC PROPERTIES  
. THERMOPHYSICAL PROPERTIES  
. **THERMAL DIFFUSIVITY**  
TRANSPORT PROPERTIES  
. **THERMAL DIFFUSIVITY**  
RT TEMPERATURE  
VISCOSITY

### **THERMAL DISSOCIATION**

GS CHEMICAL REACTIONS  
. **THERMAL DISSOCIATION**  
DISSOCIATION  
. **THERMAL DISSOCIATION**  
RT CRACKING (CHEMICAL ENGINEERING)  
DECOMPOSITION  
DEGRADATION  
GAS DISSOCIATION  
HEAT OF DISSOCIATION  
HYDROGEN PRODUCTION  
IONIZATION  
PLASMAS (PHYSICS)  
TEMPERATURE  
TEMPERATURE EFFECTS

### **THERMAL EFFECTS**

USE TEMPERATURE EFFECTS

### **THERMAL EFFICIENCY**

USE THERMODYNAMIC EFFICIENCY

### **THERMAL EMISSION**

GS EMISSION  
. **THERMAL EMISSION**  
. THERMIONIC EMISSION  
RT ELECTRON EMISSION  
EMISSION  
EXHAUST EMISSION  
INCANDESCENCE  
INFRARED ABSORPTION  
TEMPERATURE

### **THERMAL ENERGY**

UF THERMAL AGITATION  
RT COGENERATION  
 $\infty$  ENERGY  
FREE ENERGY  
GEOTHERMAL ENERGY CONVERSION  
GEOTHERMAL RESOURCES  
HEAT  
HEAT OF FUSION  
HEAT OF SOLUTION  
INTERNAL ENERGY  
KINETIC ENERGY  
LATTICE VIBRATIONS  
PHOTOTHERMAL CONVERSION  
SOLAR THERMAL ELECTRIC POWER  
PLANTS  
TEMPERATURE

### **THERMAL ENERGY STORAGE**

USE HEAT STORAGE

### **THERMAL ENVIRONMENTS**

GS ENVIRONMENTS  
. **THERMAL ENVIRONMENTS**  
RT ADIABATIC CONDITIONS  
AEROSPACE ENVIRONMENTS  
HEAT STROKE  
HIGH TEMPERATURE ENVIRONMENTS  
LIFE SUPPORT SYSTEMS  
LOW TEMPERATURE ENVIRONMENTS

### **THERMAL ENVIRONMENTS-(CONT.)**

LUNAR ENVIRONMENT  
PLANETARY ENVIRONMENTS  
SATELLITE TEMPERATURE  
SPACECRAFT ENVIRONMENTS  
TEMPERATURE  
THERMAL COMFORT

### **THERMAL EXPANSION**

GS EXPANSION  
. **THERMAL EXPANSION**  
THERMODYNAMIC PROPERTIES  
. **THERMAL EXPANSION**  
RT BOUSSINESQ APPROXIMATION  
DILATOMETRY  
EXTENSOMETERS  
GRUNEISEN CONSTANT  
HEAT TRANSFER  
HIGH TEMPERATURE TESTS  
LOW TEMPERATURE TESTS  
NEEL TEMPERATURE  
 $\infty$  PHYSICAL PROPERTIES  
TEMPERATURE  
THERMAL BUCKLING  
THERMOPHYSICAL PROPERTIES  
WARPAGE

### **THERMAL FATIGUE**

GS FATIGUE (MATERIALS)  
. **THERMAL FATIGUE**  
RT HIGH TEMPERATURE ENVIRONMENTS  
METAL FATIGUE  
TEMPERATURE

### **THERMAL GRAVIMETRY**

USE THERMOGRAVIMETRY

### **THERMAL INSTABILITY**

GS THERMODYNAMIC PROPERTIES  
. **THERMAL INSTABILITY**  
RT CLEAR AIR TURBULENCE  
COMBUSTION STABILITY  
MAGNETOHYDRODYNAMIC STABILITY  
PYROLYSIS  
SPUTTERING  
STELLARATORS  
TEMPERATURE

### **THERMAL INSULATION**

GS INSULATION  
. **THERMAL INSULATION**  
RT AIR CONDITIONING  
AMBERLITE (TRADEMARK)  
ASBESTOS  
CORK (MATERIALS)  
CRYOGENIC FLUID STORAGE  
HEAT  
HEAT SHIELDING  
HEAT SINKS  
HEAT TRANSFER  
HEAT TRANSMISSION  
HEATING EQUIPMENT  
REENTRY SHIELDING  
REFRACTORIES  
REFRACTORY COATINGS  
TEMPERATURE  
TEMPERATURE CONTROL  
TROMBE WALLS

### **THERMAL MAPPING**

GS MAPPING  
. **THERMAL MAPPING**  
RT AERIAL RECONNAISSANCE  
EARTH RESOURCES  
GEOTHERMAL ANOMALIES  
GEOTHERMAL RESOURCES  
HEAT CAPACITY MAPPING MISSION  
INFRARED RADIOMETERS  
INFRARED SCANNERS  
ISOTHERMAL LAYERS  
ISOTHERMS  
PHOTOMAPPING  
PLANETARY MAPPING  
TEMPERATURE  
TEMPERATURE DISTRIBUTION  
TEMPERATURE GRADIENTS  
THERMOGRAPHY

### **THERMAL NEUTRONS**

UF SLOW NEUTRONS  
GS NUCLEAR RADIATION  
. **THERMAL NEUTRONS**  
PARTICLES  
. ELEMENTARY PARTICLES  
. FERMIONS

## THERMAL NOISE

### THERMAL NEUTRONS-(CONT.)

- ... NEUTRONS
- ... **THERMAL NEUTRONS**
- ... NEUTRAL PARTICLES
- ... NEUTRONS
- ... **THERMAL NEUTRONS**
- RT BARYONS
- FAST NEUTRONS
- NUCLEAR REACTORS
- TEMPERATURE
- THERMALIZATION (ENERGY ABSORPTION)

### THERMAL NOISE

- GS ELASTIC WAVES
- ... SOUND WAVES
- ... NOISE (SOUND)
- ... **THERMAL NOISE**
- ELECTROMAGNETIC INTERFERENCE
- RADIO FREQUENCY INTERFERENCE
- ... ELECTROMAGNETIC NOISE
- ... WHITE NOISE
- ... **THERMAL NOISE**
- RT CHANNEL NOISE
- ELECTROMAGNETIC NOISE
- MEASUREMENT
- NOISE TEMPERATURE
- SHOT NOISE
- TEMPERATURE

### THERMAL PLASMAS

- GS PARTICLES
- ... CHARGED PARTICLES
- ... ENERGETIC PARTICLES
- ... PLASMAS (PHYSICS)
- ... **THERMAL PLASMAS**
- RT ELECTRON PLASMA
- HIGH TEMPERATURE PLASMAS
- PLASMA GENERATORS
- PLASMA TEMPERATURE
- TEMPERATURE

### THERMAL POLLUTION

- GS POLLUTION
- ... **THERMAL POLLUTION**
- RT BIOLOGICAL EFFECTS
- COASTAL ECOLOGY
- ENVIRONMENT EFFECTS
- ENVIRONMENT POLLUTION
- ENVIRONMENTAL QUALITY
- ENVIRONMENTAL SURVEYS
- ENVIRONMENTS
- HEAT TRANSFER
- LAKES
- LIQUID COOLING
- MARINE BIOLOGY
- NUCLEAR REACTORS
- OCEAN TEMPERATURE
- OCEANS
- PLANKTON
- POLLUTION TRANSPORT
- SEAS
- TEMPERATURE
- WATER POLLUTION
- WATER TEMPERATURE

### THERMAL POWER

- USE TURBOGENERATORS

### THERMAL PROPERTIES

- USE THERMODYNAMIC PROPERTIES

### THERMAL PROTECTION

- GS PROTECTION
- ... **THERMAL PROTECTION**
- RT ABLATIVE MATERIALS
- CARBON-CARBON COMPOSITES
- HEAT SHIELDING
- LUDOX (TRADEMARK)
- RADIATION PROTECTION
- REENTRY SHIELDING
- REUSABLE HEAT SHIELDING
- TEMPERATURE

### THERMAL RADIATION

- SN (EMITTED AS THE RESULT OF THERMAL EXCITATION OF MOLECULES)
- GS ELECTROMAGNETIC RADIATION
- ... **THERMAL RADIATION**
- ... BLACK BODY RADIATION
- ... PHONON BEAMS
- RT CONCENTRATORS
- GREENHOUSE EFFECT
- HEAT
- INFRARED RADIATION

### THERMAL RADIATION-(CONT.)

- LIGHT (VISIBLE RADIATION)
- NEAR INFRARED RADIATION
- NONGRAY GAS
- NONTHERMAL RADIATION
- PLANCKS CONSTANT
- PLANETARY RADIATION
- ∞ RADIATION
- RADIO WAVES
- SKY RADIATION
- SOLAR RADIATION
- SUNLIGHT
- TEMPERATURE
- THERMODYNAMIC PROPERTIES
- ULTRAVIOLET RADIATION

### THERMAL REACTORS

- GS NUCLEAR REACTORS
- ... **THERMAL REACTORS**
- RT ∞ REACTORS
- TEMPERATURE

### THERMAL RESISTANCE

- UF HEAT RESISTANCE
- GS MECHANICAL PROPERTIES
- ... **THERMAL RESISTANCE**
- RT CARBON-CARBON COMPOSITES
- ∞ HIGH RESISTANCE
- HIGH TEMPERATURE LUBRICANTS
- HIGH TEMPERATURE TESTS
- ∞ LOW RESISTANCE
- OXIDATION
- OXIDATION RESISTANCE
- ∞ RESISTANCE
- SPECIFIC HEAT
- TEMPERATURE
- TEMPERATURE EFFECTS
- THERMODYNAMIC PROPERTIES

### THERMAL RESOURCES

- GS HEAT SOURCES
- ... **THERMAL RESOURCES**
- ... GEOTHERMAL RESOURCES
- ... GEYSERS
- RESOURCES
- ... EARTH RESOURCES
- ... **THERMAL RESOURCES**
- ... GEOTHERMAL RESOURCES
- ... GEYSERS
- RT AGROMETEOROLOGY
- ATMOSPHERIC TEMPERATURE
- CROP GROWTH
- CROP VIGOR
- GEOTHERMAL TECHNOLOGY
- RESOURCES MANAGEMENT
- TEMPERATURE
- TEMPERATURE DISTRIBUTION

### THERMAL SHIELDING

- USE HEAT SHIELDING

### THERMAL SHOCK

- RT COOLING
- HEATING
- HIGH TEMPERATURE TESTS
- ∞ SHOCK
- SHOCK RESISTANCE
- TEMPERATURE
- TEMPERATURE DISTRIBUTION
- THERMODYNAMIC PROPERTIES

### THERMAL SIMULATION

- GS SIMULATION
- ... ENVIRONMENT SIMULATION
- ... **THERMAL SIMULATION**
- RT ALTITUDE SIMULATION
- SOLAR SIMULATION
- SPACE ENVIRONMENT SIMULATION
- TEMPERATURE

### THERMAL SINKS

- USE HEAT SINKS

### THERMAL STABILITY

- UF THERMOSTABILITY
- GS STABILITY
- ... **THERMAL STABILITY**
- THERMODYNAMIC PROPERTIES
- THERMOPHYSICAL PROPERTIES
- ... **THERMAL STABILITY**
- RT DIMENSIONAL STABILITY
- HIGH TEMPERATURE TESTS
- LOW TEMPERATURE TESTS
- STORAGE STABILITY
- SURFACE STABILITY

### THERMAL STABILITY-(CONT.)

- TEMPERATURE
- TEMPERATURE DEPENDENCE

### THERMAL STRESSES

- SN (EXCLUDES BIOLOGICAL STRESSES)
- GS STRESSES
- ... **THERMAL STRESSES**
- RT COOLING
- FATIGUE (MATERIALS)
- HEATING
- TEMPERATURE
- TEMPERATURE DISTRIBUTION
- TEMPERATURE EFFECTS

### THERMAL VACUUM TESTS

- GS VACUUM TESTS
- ... **THERMAL VACUUM TESTS**
- RT ENVIRONMENTAL TESTS
- HIGH ALTITUDE ENVIRONMENTS
- TEMPERATURE
- TEST CHAMBERS
- ∞ TESTS
- VACUUM CHAMBERS

### THERMALIZATION (ENERGY ABSORPTION)

- GS ENERGY ABSORPTION
- ... MODERATION (ENERGY ABSORPTION)
- ... **THERMALIZATION (ENERGY ABSORPTION)**
- ... NEUTRON THERMALIZATION
- RT THERMAL NEUTRONS

### THERMIONS

- GS ELECTRON TUBES
- ... CAMERA TUBES
- ... VIDICONS
- ... RETURN BEAM VIDICONS
- ... **THERMIONS**
- ... IMAGE TUBES
- ... **THERMIONS**
- OPTICAL EQUIPMENT
- ... IMAGE CONVERTERS
- ... IMAGE TUBES
- ... **THERMIONS**

### THERMIONIC CATHODES

- GS ELECTRODES
- ... CATHODES
- ... TUBE CATHODES
- ... **THERMIONIC CATHODES**
- ... EMITTERS
- ... **THERMIONIC CATHODES**
- RT HOT CATHODES

### THERMIONIC CONVERSION SYSTEMS

- USE THERMIONIC POWER GENERATION

### THERMIONIC CONVERTERS

- GS ELECTRIC GENERATORS
- ... DIRECT POWER GENERATORS
- ... **THERMIONIC CONVERTERS**
- ... SNAP 13
- ... SOLAR BLANKETS
- RT CESIUM DIODES
- CESIUM PLASMA
- ∞ CONVERTERS
- FUEL CELLS
- ION PRODUCTION RATES
- MAGNETOHYDRODYNAMIC GENERATORS
- PLASMA POWER SOURCES
- RADIOISOTOPE BATTERIES
- SNAP
- SOLAR CELLS
- THERMOELECTRIC GENERATORS

### THERMIONIC DIODES

- GS ELECTRON TUBES
- ... **THERMIONIC DIODES**
- ... CESIUM DIODES
- ELECTRONIC EQUIPMENT
- ... DIODES
- ... **THERMIONIC DIODES**
- ... CESIUM DIODES
- RT CHILD-LANGMUIR LAW
- PERVEANCE
- SEMICONDUCTOR DIODES

### THERMIONIC EMISSION

- UF RICHARDSON-DUSHMAN EQUATION
- GS EMISSION
- ... PARTICLE EMISSION
- ... **THERMIONIC EMISSION**
- ... THERMAL EMISSION

## THERMODYNAMIC PROPERTIES

### THERMIONIC EMISSION-(CONT.)

RT THERMIONIC EMISSION  
ELECTRON EMISSION  
ION EMISSION  
THERMOELECTRICITY  
WORK FUNCTIONS

### THERMIONIC EMITTERS

GS EMITTERS  
THERMIONIC EMITTERS

### THERMIONIC POWER GENERATION

UF THERMIONIC CONVERSION SYSTEMS  
RT  $\infty$  CONVERSION  
SNAP  
SNAP 13

### THERMIONIC REACTORS

USE ION ENGINES  
NUCLEAR ROCKET ENGINES

### THERMIONICS

RT CATHODES  
ELECTRON EMISSION  
 $\infty$  ELECTRONICS  
ION EMISSION

### THERMISTORS

GS ATTENUATORS  
RESISTORS  
THERMISTORS  
ELECTRONIC EQUIPMENT  
SOLID STATE DEVICES  
SEMICONDUCTOR DEVICES  
THERMISTORS  
TEMPERATURE SENSORS  
THERMISTORS  
RT RADIOMETERS  
TEMPERATURE MEASURING  
INSTRUMENTS  
VARISTORS

### THERMITES

RT ALUMINUM OXIDES  
AUGER SPECTROSCOPY  
BARIUM ION CLOUDS  
COPPER OXIDES  
IGNITION TEMPERATURE  
PYROTECHNICS

### THERMOBALANCES

GS MEASURING INSTRUMENTS  
INDICATING INSTRUMENTS  
WEIGHT INDICATORS  
THERMOBALANCES  
RT THERMOGRAVIMETRY

### THERMOCHEMICAL PROPERTIES

GS CHEMICAL PROPERTIES  
THERMOCHEMICAL PROPERTIES  
HEAT OF COMBUSTION  
HEAT OF DISSOCIATION  
HEAT OF FORMATION  
HEAT OF SOLUTION  
LATENT HEAT  
HEAT OF FUSION  
HEAT OF VAPORIZATION  
THERMODYNAMIC PROPERTIES  
THERMOCHEMICAL PROPERTIES  
HEAT OF COMBUSTION  
HEAT OF DISSOCIATION  
HEAT OF FORMATION  
HEAT OF SOLUTION  
LATENT HEAT  
HEAT OF FUSION  
HEAT OF VAPORIZATION  
RT HEAT BALANCE  
 $\infty$  PROPERTIES

### THERMOCHEMISTRY

GS THERMOCHEMISTRY  
AEROTHERMOCHEMISTRY  
COMBUSTION CHEMISTRY  
RT CHEMICAL ENGINEERING  
CHEMICAL REACTIONS  
 $\infty$  CHEMISTRY  
COMBUSTION PHYSICS  
ENTHALPY  
ENTROPY  
HEAT  
HEAT BALANCE  
HEAT OF DISSOCIATION  
HEAT OF FUSION  
HEAT OF SOLUTION

### THERMOCHEMISTRY-(CONT.)

HEAT TREATMENT  
PHYSICAL CHEMISTRY  
PROPELLANT CHEMISTRY  
PYROMETALLURGY  
THERMAL DECOMPOSITION  
THERMAL DIFFUSION  
THERMODYNAMIC PROPERTIES  
THERMODYNAMICS  
THERMOGRAVIMETRY  
THERMOPHYSICAL PROPERTIES

### THERMOCHROMATIC MATERIALS

RT COLOR  
COLORIMETRY  
 $\infty$  INORGANIC MATERIALS  
 $\infty$  MATERIALS  
OPTICAL PROPERTIES  
ORGANIC MATERIALS  
SOLIDS

### THERMOCLINES

GS GRADIENTS  
TEMPERATURE GRADIENTS  
THERMOCLINES  
RT OCEANOGRAPHY  
SEA WATER  
SOUND TRANSMISSION  
STRATIFICATION  
SURFACE LAYERS  
SURFACE TEMPERATURE  
UNDERWATER ACOUSTICS

### THERMOCOUPLE PYROMETERS

GS MEASURING INSTRUMENTS  
TEMPERATURE MEASURING  
INSTRUMENTS  
PYROMETERS  
THERMOCOUPLE PYROMETERS  
RT GALVANOMETERS  
POTENTIOMETERS (INSTRUMENTS)  
RADIATION PYROMETERS  
RESISTANCE THERMOMETERS  
TEMPERATURE MEASUREMENT  
THERMOCOUPLES  
THERMOELEMENT AMMETERS

### THERMOCOUPLES

GS THERMOCOUPLES  
THERMOPILES  
RT CONSTANTAN  
INDICATING INSTRUMENTS  
MANGANIN (TRADEMARK)  
Peltier Effects  
POTENTIOMETERS (INSTRUMENTS)  
Seebeck Effect  
TEMPERATURE MEASUREMENT  
TEMPERATURE MEASURING  
INSTRUMENTS  
TEMPERATURE PROBES  
THERMOCOUPLE PYROMETERS  
THERMOELECTRIC GENERATORS  
THERMOELECTRICITY

### THERMODYNAMIC COUPLING

GS COUPLING  
THERMODYNAMIC COUPLING  
RT BCS THEORY  
ELECTRON PHONON INTERACTIONS  
SUPERCONDUCTORS

### THERMODYNAMIC CYCLES

GS CYCLES  
THERMODYNAMIC CYCLES  
BRAYTON CYCLE  
CARNOT CYCLE  
OTTO CYCLE  
RANKINE CYCLE  
STIRLING CYCLE  
RT ADIABATIC CONDITIONS  
CLOSED CYCLES  
INTERNAL COMBUSTION ENGINES  
LASER PROPULSION  
 $\infty$  STROKES  
THERMODYNAMICS

### THERMODYNAMIC EFFICIENCY

UF THERMAL EFFICIENCY  
GS EFFICIENCY  
THERMODYNAMIC EFFICIENCY  
RT COMBUSTION EFFICIENCY  
COMPRESSOR EFFICIENCY  
ENGINES  
HEAT SOURCES  
INTERNAL COMBUSTION ENGINES

### THERMODYNAMIC EFFICIENCY-(CONT.)

NOZZLE EFFICIENCY  
POWER EFFICIENCY  
PROPULSION SYSTEM PERFORMANCE  
PROPULSIVE EFFICIENCY  
SPECIFIC IMPULSE  
TEMPERATURE  
THERMODYNAMICS

### THERMODYNAMIC EQUILIBRIUM

RT ACID-BASE EQUILIBRIUM  
ADIABATIC CONDITIONS  
CHEMICAL EQUILIBRIUM  
 $\infty$  EQUILIBRIUM  
HEAT OF DISSOCIATION  
ISENTROPIC PROCESSES  
ISOCORIC PROCESSES  
ISOENERGETIC PROCESSES  
ISOTHERMAL PROCESSES  
LIQUID-VAPOR EQUILIBRIUM  
STATISTICAL MECHANICS

### THERMODYNAMIC PROPERTIES

UF THERMAL PROPERTIES  
GS THERMODYNAMIC PROPERTIES  
ENTHALPY  
GIBBS FREE ENERGY  
HEAT OF DISSOCIATION  
HEAT OF FORMATION  
HEAT OF SOLUTION  
LATENT HEAT  
HEAT OF FUSION  
HEAT OF VAPORIZATION  
ENTROPY  
FREE ENERGY  
GIBBS FREE ENERGY  
SURFACE ENERGY  
THERMAL EXPANSION  
THERMAL INSTABILITY  
THERMOCHEMICAL PROPERTIES  
HEAT OF COMBUSTION  
HEAT OF DISSOCIATION  
HEAT OF FORMATION  
HEAT OF SOLUTION  
LATENT HEAT  
HEAT OF FUSION  
HEAT OF VAPORIZATION  
THERMOPHYSICAL PROPERTIES  
CRITICAL POINT  
CRITICAL PRESSURE  
CRITICAL TEMPERATURE  
EMISSIVITY  
FUSIBILITY  
HEAT OF SOLUTION  
LATENT HEAT  
HEAT OF FUSION  
HEAT OF VAPORIZATION  
MELTING POINTS  
PYROELECTRICITY  
SPECIFIC HEAT  
SUPERCRITICAL PRESSURES  
THERMAL CONDUCTIVITY  
THERMAL DIFFUSION  
THERMAL DIFFUSIVITY  
THERMAL STABILITY  
VAPOR PRESSURE  
VOLATILITY  
RT CHEMICAL PROPERTIES  
DIFFUSIVITY  
EMITTANCE  
 $\infty$  EQUILIBRIUM  
HEAT  
HEAT BALANCE  
HIGH TEMPERATURE TESTS  
Joule-Thomson Effect  
OPTICAL PROPERTIES  
 $\infty$  PHYSICAL PROPERTIES  
PRANDTL NUMBER  
PROPELLANT PROPERTIES  
 $\infty$  PROPERTIES  
Seebeck Effect  
SOLUBILITY  
TEMPERATURE  
TEPHIGRAMS  
THERMAL CYCLING TESTS  
THERMAL RADIATION  
THERMAL RESISTANCE  
THERMAL SHOCK  
THERMOCHEMISTRY  
THERMODYNAMICS  
THERMOLUMINESCENCE  
ZERO POINT ENERGY

## THERMODYNAMICS

### THERMODYNAMICS

- UF HEAT EQUATIONS
- THERMOMECHANICS
- THERMOPHYSICS
- GS **THERMODYNAMICS**
  - . AEROTHERMODYNAMICS
  - . COMBUSTION PHYSICS
  - . NONEQUILIBRIUM THERMODYNAMICS
- RT AERODYNAMICS
  - ∞ DYNAMICS
  - ENGINES
  - ENTHALPY
  - ENTROPY
  - ∞ EQUATIONS
  - EQUATIONS OF STATE
  - ∞ EQUILIBRIUM
  - ERGODIC PROCESS
  - FLUID MECHANICS
  - FREE ENERGY
  - GAS DYNAMICS
  - HEAT
  - HEAT OF FUSION
  - HEAT OF SOLUTION
  - HEAT TRANSFER
  - INTERNAL ENERGY
  - IRREVERSIBLE PROCESSES
  - ISOTHERMS
  - JOULE-THOMSON EFFECT
  - KIRCHHOFF LAW OF RADIATION
  - MECHANICAL ENGINEERING
  - MOLECULAR RELAXATION
  - MOLLIER DIAGRAM
  - NONADIABATIC CONDITIONS
  - NONGRAY GAS
  - NONISOTHERMAL PROCESSES
  - ONSAGER RELATIONSHIP
  - ∞ PATHS
  - PFUFF EQUATION
  - PHOTOTHERMAL CONVERSION
  - PHYSICAL CHEMISTRY
  - PLASMA PHYSICS
  - PLASMAS (PHYSICS)
  - POLYTROPIC PROCESSES
  - RANKINE CYCLE
  - RAYLEIGH EQUATIONS
  - STEAM
  - THERMOCHEMISTRY
  - THERMODYNAMIC CYCLES
  - THERMODYNAMIC EFFICIENCY
  - THERMODYNAMIC PROPERTIES
  - THERMOELECTRIC COOLING
  - UNSTEADY STATE

### THERMOELASTICITY

- GS MECHANICAL PROPERTIES
  - . ELASTIC PROPERTIES
  - . **THERMOELASTICITY**
  - . . . AEROTHERMOELASTICITY
- RT AEROELASTICITY
  - AEROTHERMODYNAMICS
  - HYDROELASTICITY
  - THERMOELECTRIC GENERATORS
  - THERMOELECTRIC MATERIALS

### THERMOELECTRIC CONVERSION SYSTEMS

- USE THERMOELECTRIC POWER GENERATION

### THERMOELECTRIC COOLING

- UF ETTINGSHAUSEN COOLERS
- GS COOLING
  - . **THERMOELECTRIC COOLING**
- RT CRYOGENICS
  - ETTINGSHAUSEN EFFECT
  - HEAT PUMPS
  - PELTIER EFFECTS
  - REFRIGERATING
  - REFRIGERATING MACHINERY
  - THERMODYNAMICS
  - THERMOELECTRICITY
  - THERMOMAGNETIC COOLING

### THERMOELECTRIC GENERATORS

- GS ELECTRIC GENERATORS
  - . DIRECT POWER GENERATORS
  - . **THERMOELECTRIC GENERATORS**
  - . . . SNAP 3
  - . . . SNAP 7
  - . . . SNAP 9A
  - . . . SNAP 10A
  - . . . SNAP 11
  - . . . SNAP 15
  - . . . SNAP 17
  - . . . SNAP 19
  - . . . SNAP 21
  - . . . SNAP 23

### THERMOELECTRIC GENERATORS-(CONT.)

- . . . SNAP 27
- . . . SNAP 29
- . . . SOLAR SEA POWER PLANTS
- RT ASTEC SOLAR TURBOELECTRIC
  - GENERATOR
  - FUEL CELLS
  - ∞ GENERATORS
  - MAGNETOHYDRODYNAMIC GENERATORS
  - NUCLEAR AUXILIARY POWER UNITS
  - PHOTOELECTRIC GENERATORS
  - RADIOISOTOPE BATTERIES
  - SNAP
  - SOLAR CELLS
  - SOLAR GENERATORS
  - SPACE STATION POWER SUPPLIES
  - THERMIONIC CONVERTERS
  - THERMOCOUPLES
  - THERMOELASTICITY
  - THERMOELECTRICITY

### THERMOELECTRIC MATERIALS

- RT ∞ MATERIALS
  - SEMICONDUCTORS (MATERIALS)
  - THERMOELASTICITY
  - THERMOELECTRICITY

### THERMOELECTRIC OUTER PLANET SPACECRAFT

- USE TOPS (SPACECRAFT)

### THERMOELECTRIC POWER GENERATION

- UF THERMOELECTRIC CONVERSION
  - SYSTEMS
- RT ∞ CONVERSION
  - NUCLEAR AUXILIARY POWER UNITS
  - SNAP
  - THERMOELECTRICITY

### THERMOELECTRIC SPACECRAFT

- USE TOPS (SPACECRAFT)

### THERMOELECTRICITY

- UF THOMSON EFFECT
- RT ETTINGSHAUSEN EFFECT
  - PELTIER EFFECTS
  - SEEBECK EFFECT
  - THERMIONIC EMISSION
  - THERMOCOUPLES
  - THERMOELECTRIC COOLING
  - THERMOELECTRIC GENERATORS
  - THERMOELECTRIC MATERIALS
  - THERMOELECTRIC POWER GENERATION
  - THERMOPILES
  - TRANSPORT PROPERTIES

### THERMOELEMENT AMMETERS

- GS MEASURING INSTRUMENTS
  - . AMMETERS
  - . . **THERMOELEMENT AMMETERS**
- RT THERMOCOUPLE PYROMETERS

### THERMOGRAMS

- USE RECORDING INSTRUMENTS
  - TEMPERATURE MEASURING INSTRUMENTS

### THERMOGRAPHY

- RT INFRARED IMAGERY
  - NONDESTRUCTIVE TESTS
  - TEMPERATURE DISTRIBUTION
  - TEMPERATURE MEASUREMENT
  - THERMAL MAPPING

### THERMOGRAVIMETRY

- UF THERMAL GRAVIMETRY
- RT CHEMICAL ANALYSIS
  - DEHYDRATION
  - PYROLYSIS
  - TEMPERATURE EFFECTS
  - THERMAL DECOMPOSITION
  - THERMOBALANCES
  - THERMOCHEMISTRY

### THERMOHYDRAULICS

- RT CONVECTIVE HEAT TRANSFER
  - FLUID DYNAMICS
  - FLUID FLOW
  - HEAT TRANSMISSION
  - ∞ HYDRAULICS
  - HYDRODYNAMICS
  - LAMINAR HEAT TRANSFER
  - RADIATIVE HEAT TRANSFER
  - THERMAL CONDUCTIVITY
  - THERMAL DIFFUSION

### THERMOHYDRAULICS-(CONT.)

- TURBULENT HEAT TRANSFER

### THERMOLUMINESCENCE

- GS EMISSION
  - . LIGHT EMISSION
  - . . LUMINESCENCE
  - . . . **THERMOLUMINESCENCE**
- RT TEMPERATURE EFFECTS
  - THERMODYNAMIC PROPERTIES

### THERMOMAGNADYNAMICS

- USE THERMOMAGNETIC EFFECTS

### THERMOMAGNETIC COOLING

- UF NERNST GENERATORS
- GS COOLING
  - . **THERMOMAGNETIC COOLING**
- RT CRYOGENICS
  - ETTINGSHAUSEN EFFECT
  - THERMOELECTRIC COOLING

### THERMOMAGNETIC EFFECTS

- UF THERMOMAGNADYNAMICS
  - THERMOMAGNETISM
- GS MAGNETIC PROPERTIES
  - . **THERMOMAGNETIC EFFECTS**
- RT ∞ EFFECTS
  - ETTINGSHAUSEN EFFECT
  - NERNST-ETTINGSHAUSEN EFFECT

### THERMOMAGNETISM

- USE THERMOMAGNETIC EFFECTS

### THERMO MECHANICAL TREATMENT

- GS **THERMO MECHANICAL TREATMENT**
  - . HOT PRESSING
  - . . HOT ISOSTATIC PRESSING
- RT HEAT AFFECTED ZONE
  - HEAT TREATMENT
  - ∞ METALLURGY
  - MICROSTRUCTURE
  - PLASTIC DEFORMATION
  - QUENCHING (COOLING)
  - ∞ TREATMENT

### THERMOMECHANICS

- USE THERMODYNAMICS

### THERMOMETERS

- GS MEASURING INSTRUMENTS
  - . TEMPERATURE MEASURING INSTRUMENTS
  - . . **THERMOMETERS**
  - . . . RESISTANCE THERMOMETERS
- RT TEMPERATURE CONTROL
  - TEMPERATURE MEASUREMENT
  - TEMPERATURE SCALES

### THERMOMETRY

- USE TEMPERATURE MEASUREMENT

### THERMOMIGRATION

- RT ELECTROMIGRATION
  - HEAT TRANSFER
  - TEMPERATURE GRADIENTS

### THERMONUCLEAR ENERGY

- USE THERMONUCLEAR POWER GENERATION

### THERMONUCLEAR EXPLOSIONS

- GS EXPLOSIONS
  - . NUCLEAR EXPLOSIONS
  - . . **THERMONUCLEAR EXPLOSIONS**
- RT AERIAL EXPLOSIONS
  - ARGUS PROJECT
  - FISSION WEAPONS
  - NUCLEAR DEVICES
  - NUCLEAR VULNERABILITY
  - UNDERGROUND EXPLOSIONS
  - UNDERWATER EXPLOSIONS

### THERMONUCLEAR POWER GENERATION

- UF THERMONUCLEAR ENERGY
- GS NUCLEAR ELECTRIC POWER
  - GENERATION
  - . **THERMONUCLEAR POWER GENERATION**
- RT ASTRON THERMONUCLEAR REACTOR
  - CONTROLLED FUSION
  - ELECTRIC GENERATORS
  - ∞ ENERGY
  - PINCH EFFECT
  - PLASMA GENERATORS

**THERMONUCLEAR POWER-(CONT.)**

STELLARATORS  
ZETA THERMONUCLEAR REACTOR

**THERMONUCLEAR PROPULSION**

USE NUCLEAR PROPULSION

**THERMONUCLEAR REACTIONS**

GS NUCLEAR REACTIONS  
. THERMONUCLEAR REACTIONS  
. . . NUCLEAR FUSION  
. . . CONTROLLED FUSION  
RT ASTRON THERMONUCLEAR REACTOR  
HIGH ENERGY INTERACTIONS  
MAGNETOHYDRODYNAMICS  
PINCH EFFECT  
PLASMAS (PHYSICS)  
PROTON-PROTON REACTIONS  
RADIOACTIVE DECAY  
SCYLLA  
STELLARATORS  
ZETA THERMONUCLEAR REACTOR

**THERMOPHILES**

RT ALGAE  
FUNGI  
MESOPHILES  
PSYCHROPHILES

**THERMOPHILIC PLANTS**

GS PLANTS (BOTANY)  
. THERMOPHILIC PLANTS  
. . . BLUE GREEN ALGAE  
. . . NOSTOC  
RT ALGAE

**THERMOPHORESIS**

RT AEROSOLS  
DEPOSITION  
DIFFUSION  
PARTICLE DIFFUSION  
PARTICLE MOTION  
PARTICLE SIZE DISTRIBUTION  
∞ SEPARATION  
TEMPERATURE EFFECTS  
TEMPERATURE GRADIENTS

**THERMOPHYSICAL PROPERTIES**

GS THERMODYNAMIC PROPERTIES  
. THERMOPHYSICAL PROPERTIES  
. . . CRITICAL POINT  
. . . CRITICAL PRESSURE  
. . . CRITICAL TEMPERATURE  
. . . EMISSIVITY  
. . . FUSIBILITY  
. . . HEAT OF SOLUTION  
. . . LATENT HEAT  
. . . HEAT OF FUSION  
. . . HEAT OF VAPORIZATION  
. . . MELTING POINTS  
. . . PYROELECTRICITY  
. . . SPECIFIC HEAT  
. . . SUPERCRITICAL PRESSURES  
. . . THERMAL CONDUCTIVITY  
. . . THERMAL DIFFUSION  
. . . THERMAL DIFFUSIVITY  
. . . THERMAL STABILITY  
. . . VAPOR PRESSURE  
. . . VOLATILITY  
RT PELTIER EFFECTS  
∞ PROPERTIES  
SEEBECK EFFECT  
SURFACE ENERGY  
THERMAL EXPANSION  
THERMOCHEMISTRY

**THERMOPHYSICS**

USE THERMODYNAMICS

**THERMOPILES**

GS THERMOCOUPLES  
. THERMOPILES  
TRANSDUCERS  
. THERMOPILES  
RT DICKE RADIOMETERS  
INDICATING INSTRUMENTS  
TEMPERATURE MEASURING  
INSTRUMENTS  
THERMOELECTRICITY

**THERMOPLASTIC FILMS**

GS PLASTICS  
. SYNTHETIC RESINS  
. . . THERMOPLASTIC RESINS

**THERMOPLASTIC FILMS-(CONT.)**

. . . THERMOPLASTIC FILMS  
RESINS  
. SYNTHETIC RESINS  
. . . THERMOPLASTIC RESINS  
. . . THERMOPLASTIC FILMS  
RT ∞ FILMS

**THERMOPLASTIC RESINS**

GS PLASTICS  
. SYNTHETIC RESINS  
. . . THERMOPLASTIC RESINS  
. . . PEEK  
. . . QUINOXALINES  
. . . THERMOPLASTIC FILMS  
RESINS  
. SYNTHETIC RESINS  
. . . THERMOPLASTIC RESINS  
. . . PEEK  
. . . QUINOXALINES  
. . . THERMOPLASTIC FILMS  
RT ACRYLIC RESINS  
GLASS FIBER REINFORCED PLASTICS  
POLYETHYLENES  
POLYSTYRENE  
THERMOPLASTICITY  
THERMOSETTING RESINS  
VULCANIZED ELASTOMERS

**THERMOPLASTICITY**

GS MECHANICAL PROPERTIES  
. PLASTIC PROPERTIES  
. . . THERMOPLASTICITY  
RT BOUGUER LAW  
TEMPERATURE EFFECTS  
THERMOPLASTIC RESINS

**THERMORECEPTORS**

GS ANATOMY  
. SENSE ORGANS  
. . . THERMORECEPTORS  
RECEPTORS (PHYSIOLOGY)  
. THERMORECEPTORS  
RT BODY TEMPERATURE  
SENSITOMETRY  
SKIN (ANATOMY)  
THERMOREGULATION

**THERMOREGULATION**

UF BODY TEMPERATURE REGULATION  
RT BODY TEMPERATURE  
COLD TOLERANCE  
HIBERNATION  
HOMEOSTASIS  
HYPERTHERMIA  
HYPOTHERMIA  
METABOLISM  
REGULATORY MECHANISMS (BIOLOGY)  
TEMPERATURE CONTROL  
THERMORECEPTORS

**THERMOSETTING RESINS**

GS PLASTICS  
. SYNTHETIC RESINS  
. . . THERMOSETTING RESINS  
. . . EPOXY RESINS  
. . . . PHENOLIC EPOXY RESINS  
. . . . FURAN RESINS  
. . . . POLYAMIDE RESINS  
. . . . KEVLAR (TRADEMARK)  
. . . . PHENOLIC RESINS  
. . . . MICARTA  
. . . . PHENOLIC EPOXY RESINS  
RESINS  
. SYNTHETIC RESINS  
. . . THERMOSETTING RESINS  
. . . EPOXY RESINS  
. . . . PHENOLIC EPOXY RESINS  
. . . . FURAN RESINS  
. . . . POLYAMIDE RESINS  
. . . . KEVLAR (TRADEMARK)  
. . . . PHENOLIC RESINS  
. . . . MICARTA  
. . . . PHENOLIC EPOXY RESINS  
RT BAKELITE (TRADEMARK)  
COMPOSITE MATERIALS  
FORMICA  
GLASS FIBER REINFORCED PLASTICS  
LAMINATES  
POLYESTER RESINS  
REINFORCED PLASTICS  
SILICONE RESINS  
THERMOPLASTIC RESINS

**THERMOSIPHONS**

GS REGENERATORS  
. THERMOSIPHONS  
RT CONVECTIVE HEAT TRANSFER  
FREE CONVECTION  
∞ RADIATORS  
SIPHONING

**THERMOSPHERE**

SN (ALTITUDES ABOVE APPROXIMATELY 80 KM)  
GS EARTH ATMOSPHERE  
. UPPER ATMOSPHERE  
. . . THERMOSPHERE  
. . . . TURBOPAUSE  
RT CHEMOSPHERE  
EARTH IONOSPHERE  
EARTH MAGNETOSPHERE  
EXOSPHERE  
HETEROSPHERE  
HOMOSPHERE

**THERMOSTABILITY**

USE THERMAL STABILITY

**THERMOSTATS**

GS CONTROL EQUIPMENT  
. THERMOSTATS  
REGULATORS  
. THERMOSTATS  
SWITCHES  
. ELECTRIC SWITCHES  
. . . THERMOSTATS  
RT AUTOMATIC CONTROL  
CONTROLLERS  
CRYOSTATS  
TEMPERATURE CONTROL  
TEMPERATURE MEASURING  
INSTRUMENTS

**THERMOTROPISM**

USE ANISOTROPY  
TEMPERATURE EFFECTS

**THERMOVISCOELASTICITY**

GS MECHANICAL PROPERTIES  
. ELASTIC PROPERTIES  
. . . VISCOELASTICITY  
. . . . THERMOVISCOELASTICITY  
RT IRREVERSIBLE PROCESSES  
STRESS-STRAIN-TIME RELATIONS

**THESAURI**

RT INDEXES (DOCUMENTATION)  
INFORMATION RETRIEVAL  
KWIC INDEXES  
NOMENCLATURES  
SPACE GLOSSARIES  
TERMINOLOGY  
TERMS  
WORDS (LANGUAGE)

**THESES**

GS DOCUMENTS  
. THESES  
RT HYPOTHESES

**THETA PINCH**

GS PINCH EFFECT  
. PLASMA PINCH  
. . . THETA PINCH  
RT LASER PLASMA INTERACTIONS  
PLASMA COMPRESSION  
ROTATING PLASMAS  
SCREW PINCH  
ZETA PINCH

**THIAMINE**

UF VITAMIN B  
GS ORGANIC COMPOUNDS  
. COENZYMES  
. . . THIAMINE  
. . . CYCLIC COMPOUNDS  
. . . HETEROCYCLIC COMPOUNDS  
. . . THIAMINE  
VITAMINS  
. THIAMINE

**THIAZINE (TRADEMARK)**

GS DYES  
. THIAZINE (TRADEMARK)  
NITROGEN COMPOUNDS  
. THIAZINE (TRADEMARK)  
ORGANIC COMPOUNDS

## THICK FILMS

### THIAZINE (TRADEMARK)-(CONT.)

- . CYCLIC COMPOUNDS
- . HETEROCYCLIC COMPOUNDS
- . . . THIAZINE (TRADEMARK)
- SULFUR COMPOUNDS
- . THIAZINE (TRADEMARK)

### THICK FILMS

- RT ELECTRONIC PACKAGING
- ∞ FILMS
  - INTEGRATED CIRCUITS
  - MICROMINIATURIZATION
  - PRINTED CIRCUITS
  - SEMICONDUCTING FILMS
  - THIN FILMS

### THICK PLATES

- RT FLAT PLATES
- METAL PLATES
- ∞ PLATES
- PLATES (STRUCTURAL MEMBERS)
- ∞ SHEETS
- THICKNESS
- THIN PLATES

### THICK WALLS

- GS WALLS
- . THICK WALLS
- RT BOILER PLATE
- BULKHEADS
- REINFORCEMENT (STRUCTURES)
- STRUCTURAL MEMBERS
- THIN WALLS
- WALL PRESSURE
- WALL TEMPERATURE

### ∞ THICKENERS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT THICKENERS (EQUIPMENT)
- THICKENERS (MATERIALS)

### THICKENERS (EQUIPMENT)

- GS SEPARATORS
- . CLASSIFIERS
- . . THICKENERS (EQUIPMENT)
- RT COALESCING
- PRECIPITATORS
- ∞ THICKENERS

### THICKENERS (MATERIALS)

- RT ADDITIVES
- GELS
- GREASES
- ∞ MATERIALS
- ∞ THICKENERS

### THICKNESS

- RT AIRFOIL PROFILES
- DEPTH
- DIAMETERS
- DIMENSIONS
- FILM THICKNESS
- LENGTH
- OPTICAL THICKNESS
- SPACING
- TARGET THICKNESS
- THICK PLATES
- THICKNESS RATIO
- VOLUME

### THICKNESS RATIO

- GS RATIOS
- . THICKNESS RATIO
- RT AIRFOIL PROFILES
- AIRFOILS
- FINESS RATIO
- THICKNESS
- THIN AIRFOILS
- THIN WINGS

### THIGH

- GS ANATOMY
- . THIGH
- RT LEG (ANATOMY)

### THIN AIRFOILS

- GS AIRFOILS
- . THIN AIRFOILS
- . . THIN WINGS
- . . . INFINITE SPAN WINGS
- RT AIRFOIL PROFILES
- THICKNESS RATIO

### ∞ THIN BODIES

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT SLENDER BODIES
- THIN PLATES
- THIN WALLS
- THIN WINGS

### THIN FILMS

- SN (SOLID STATE PHYSICS AND ELECTRONICS)
- GS THIN FILMS
- . ENERGY ABSORPTION FILMS
- . FERROMAGNETIC FILMS
- . MONOMOLECULAR FILMS
- RT AMORPHOUS SILICON
- COATINGS
- COMPUTER STORAGE DEVICES
- ELECTROCHROMISM
- ELECTRODE FILM BARRIERS
- ∞ FILMS
- HETEROJUNCTIONS
- INTEGRATED CIRCUITS
- INTEGRATED OPTICS
- ION PLATING
- METAL FILMS
- MICROCHANNEL PLATES
- MICROMINIATURIZATION
- MINIATURE ELECTRONIC EQUIPMENT
- MOLECULAR ELECTRONICS
- OXIDE FILMS
- PARAMETRONES
- PELLICLE
- PLATING
- PRAETERSONIC DEVICES
- RECTIFIERS
- SEMICONDUCTING FILMS
- SILICON FILMS
- SOLID STATE DEVICES
- ∞ SOLID STATE PHYSICS
- SPUTTERING GAGES
- SQUEEZE FILMS
- THICK FILMS
- WAFERS

### THIN LAYER CHROMATOGRAPHY

- GS CHEMICAL TESTS
- . CHEMICAL ANALYSIS
- . . CHROMATOGRAPHY
- . . . THIN LAYER CHROMATOGRAPHY
- RT GAS CHROMATOGRAPHY
- MONOMOLECULAR FILMS

### THIN PLATES

- SN (EXCLUDES THIN SURFACE COATINGS AND FILMS)
- RT DIAPHRAGMS (MECHANICS)
- FLAT PLATES
- FOILS (MATERIALS)
- METAL PLATES
- PANELS
- PARALLEL PLATES
- ∞ PLATES
- PLATES (STRUCTURAL MEMBERS)
- ∞ SHEETS
- THICK PLATES
- ∞ THIN BODIES

### THIN WALLED SHELLS

- GS SHELLS (STRUCTURAL FORMS)
- . THIN WALLED SHELLS
- RT CYLINDRICAL SHELLS
- MEMBRANE STRUCTURES
- METAL SHELLS
- ORTHOTROPIC SHELLS
- REINFORCED SHELLS
- SKIN (STRUCTURAL MEMBER)
- SPHERICAL SHELLS
- STRESSED-SKIN STRUCTURES
- TOROIDAL SHELLS

### THIN WALLS

- GS WALLS
- . THIN WALLS
- RT BULKHEADS
- DIAPHRAGMS (MECHANICS)
- PARTITIONS (STRUCTURES)
- SKIN (STRUCTURAL MEMBER)
- THICK WALLS
- ∞ THIN BODIES

### THIN WINGS

- GS AIRFOILS
- . THIN AIRFOILS

### THIN WINGS-(CONT.)

- . . THIN WINGS
- . . . INFINITE SPAN WINGS
- . WINGS
- . . THIN WINGS
- . . . INFINITE SPAN WINGS
- RT AIRFOIL PROFILES
- FIXED WINGS
- FLEXIBLE WINGS
- THICKNESS RATIO
- ∞ THIN BODIES
- UNCAMBERED WINGS

### THINNERS

- USE SOLVENTS

### THIOLS

- UF DITHIOLS
- MERCAPTAN
- MERCAPTO COMPOUNDS
- GS SULFUR COMPOUNDS
- . THIOLS
- . . CYSTEINE
- . . DIMERCAPROL
- RT ALCOHOLS
- ∞ CHEMICAL COMPOUNDS
- PHENOLS

### THIOPLASTICS

- GS RUBBER
- . SYNTHETIC RUBBERS
- . . ELASTOMERS
- . . . THIOPLASTICS
- RT PLASTICS
- SULFIDES

### THIOUREAS

- GS NITROGEN COMPOUNDS
- . AMIDES
- . . UREAS
- . . . THIOUREAS

### THIURONIUM

- GS AMINES
- . THIURONIUM
- NITROGEN COMPOUNDS
- . AMIDES
- . . UREAS
- . . . THIURONIUM

### THIXOTROPIC PROPELLANTS

- USE GELLED ROCKET PROPELLANTS

### THIXOTROPY

- RT GELATION
- GELS
- LIQUEFACTION
- NONNEWTONIAN FLOW
- ∞ PHYSICAL PROPERTIES
- SEMISOLIDS
- SOLUBILITY
- VISCOSITY

### THOMAS-FERMI MODEL

- UF THOMAS-FERMI THEORY
- GS MODELS
- . MATHEMATICAL MODELS
- . . THOMAS-FERMI MODEL
- RT ATOMIC STRUCTURE
- ELECTRON DISTRIBUTION
- PLASMA COMPOSITION
- QUANTUM STATISTICS

### THOMAS-FERMI THEORY

- USE THOMAS-FERMI MODEL

### THOMSON EFFECT

- USE THERMOELECTRICITY

### THOMSON SCATTERING

- GS SCATTERING
- . WAVE SCATTERING
- . . ELECTROMAGNETIC SCATTERING
- . . . THOMSON SCATTERING
- RT ELECTROMAGNETIC RADIATION

### THOR ABLE ROCKET VEHICLE

- GS LAUNCH VEHICLES
- . THOR LAUNCH VEHICLES
- . . THOR ABLE ROCKET VEHICLE
- . . THORAD LAUNCH VEHICLES
- . . . THOR ABLE ROCKET VEHICLE
- ROCKET VEHICLES
- . MULTISTAGE ROCKET VEHICLES

## THRESHOLD GATES

### THOR ABLE ROCKET VEHICLE-(CONT.)

.. THOR LAUNCH VEHICLES  
 .. **THOR ABLE ROCKET VEHICLE**  
 .. THORAD LAUNCH VEHICLES  
 .. **THOR ABLE ROCKET VEHICLE**  
 RT EXPLORER 6 SATELLITE  
 LIQUID PROPELLANT ROCKET ENGINES  
 PIONEER 1 SPACE PROBE  
 PIONEER 5 SPACE PROBE  
 SOLID PROPELLANT ROCKET ENGINES  
 TIROS 1 SATELLITE

### THOR AGENA LAUNCH VEHICLE

GS LAUNCH VEHICLES  
 .. THOR LAUNCH VEHICLES  
 .. **THOR AGENA LAUNCH VEHICLE**  
 .. THORAD LAUNCH VEHICLES  
 .. **THOR AGENA LAUNCH VEHICLE**  
 ROCKET VEHICLES  
 .. MULTISTAGE ROCKET VEHICLES  
 .. THOR LAUNCH VEHICLES  
 .. **THOR AGENA LAUNCH VEHICLE**  
 .. THORAD LAUNCH VEHICLES  
 .. **THOR AGENA LAUNCH VEHICLE**  
 RT AGENA A ROCKET VEHICLE  
 AGENA B RANGER PROGRAM  
 AGENA ROCKET VEHICLES  
 DISCOVERER SATELLITES  
 EXPLORER 31 SATELLITE  
 EXPLORER 34 SATELLITE  
 EXPLORER 35 SATELLITE  
 EXPLORER 36 SATELLITE  
 LIQUID PROPELLANT ROCKET ENGINES  
 NIMBUS SATELLITES  
 NIMBUS 1 SATELLITE  
 NIMBUS 2 SATELLITE  
 OGO-3

### THOR DELTA LAUNCH VEHICLE

UF ECHO 1 CARRIER ROCKET  
 GS LAUNCH VEHICLES  
 .. THOR LAUNCH VEHICLES  
 .. **THOR DELTA LAUNCH VEHICLE**  
 .. THORAD LAUNCH VEHICLES  
 .. **THOR DELTA LAUNCH VEHICLE**  
 ROCKET VEHICLES  
 .. MULTISTAGE ROCKET VEHICLES  
 .. THOR LAUNCH VEHICLES  
 .. **THOR DELTA LAUNCH VEHICLE**  
 .. THORAD LAUNCH VEHICLES  
 .. **THOR DELTA LAUNCH VEHICLE**  
 RT ARIEL SATELLITES  
 ECHO 1 SATELLITE  
 EXPLORER SATELLITES  
 LIQUID PROPELLANT ROCKET ENGINES  
 OSO  
 RELAY SATELLITES  
 SOLID PROPELLANT ROCKET ENGINES  
 SYNCOM SATELLITES  
 TELSTAR SATELLITES

### THOR LAUNCH VEHICLES

GS LAUNCH VEHICLES  
 .. **THOR LAUNCH VEHICLES**  
 .. THOR ABLE ROCKET VEHICLE  
 .. THOR AGENA LAUNCH VEHICLE  
 .. THOR DELTA LAUNCH VEHICLE  
 ROCKET VEHICLES  
 .. MULTISTAGE ROCKET VEHICLES  
 .. **THOR LAUNCH VEHICLES**  
 .. THOR ABLE ROCKET VEHICLE  
 .. THOR AGENA LAUNCH VEHICLE  
 .. THOR DELTA LAUNCH VEHICLE  
 RT LIQUID PROPELLANT ROCKET ENGINES  
 SOLID PROPELLANT ROCKET ENGINES  
 THORAD LAUNCH VEHICLES  
 .. VEHICLES

### THORAD LAUNCH VEHICLES

GS LAUNCH VEHICLES  
 .. **THORAD LAUNCH VEHICLES**  
 .. THOR ABLE ROCKET VEHICLE  
 .. THOR AGENA LAUNCH VEHICLE  
 .. THOR DELTA LAUNCH VEHICLE  
 ROCKET VEHICLES  
 .. **THORAD LAUNCH VEHICLES**  
 .. THOR ABLE ROCKET VEHICLE  
 .. THOR AGENA LAUNCH VEHICLE  
 .. THOR DELTA LAUNCH VEHICLE  
 RT LIQUID PROPELLANT ROCKET ENGINES  
 THOR LAUNCH VEHICLES  
 .. VEHICLES

### THORAX

GS ANATOMY

### THORAX-(CONT.)

.. **THORAX**  
 RT CHEST  
 DIAPHRAGM (ANATOMY)  
 STERNUM  
 VISCERA

### THORIUM

GS CHEMICAL ELEMENTS  
 .. ACTINIDE SERIES  
 .. **THORIUM**  
 .. THORIUM ISOTOPES  
 METALS  
 .. ACTINIDE SERIES  
 .. **THORIUM**  
 .. THORIUM ISOTOPES  
 RT NUCLEAR FUELS

### THORIUM ALLOYS

GS ALLOYS  
 .. **THORIUM ALLOYS**  
 RT NUCLEAR FUELS

### THORIUM COMPOUNDS

GS ACTINIDE SERIES COMPOUNDS  
 .. **THORIUM COMPOUNDS**  
 .. THORIUM FLUORIDES  
 .. THORIUM OXIDES  
 RT CERAMIC NUCLEAR FUELS  
 .. CHEMICAL COMPOUNDS  
 .. METAL COMPOUNDS  
 .. NUCLEAR FUELS

### THORIUM FLUORIDES

GS ACTINIDE SERIES COMPOUNDS  
 .. THORIUM COMPOUNDS  
 .. **THORIUM FLUORIDES**  
 HALOGEN COMPOUNDS  
 .. FLUORINE COMPOUNDS  
 .. FLUORIDES  
 .. METAL FLUORIDES  
 .. **THORIUM FLUORIDES**

### THORIUM ISOTOPES

UF THORIUM 228  
 THORIUM 230  
 THORIUM 234  
 GS CHEMICAL ELEMENTS  
 .. ACTINIDE SERIES  
 .. THORIUM  
 .. **THORIUM ISOTOPES**  
 .. NUCLIDES  
 .. ISOTOPES  
 .. **THORIUM ISOTOPES**  
 METALS  
 .. ACTINIDE SERIES  
 .. THORIUM  
 .. **THORIUM ISOTOPES**

### THORIUM OXIDES

GS ACTINIDE SERIES COMPOUNDS  
 .. THORIUM COMPOUNDS  
 .. **THORIUM OXIDES**  
 CHALCOGENIDES  
 .. OXIDES  
 .. METAL OXIDES  
 .. **THORIUM OXIDES**  
 RT DIOXIDES

### THORIUM 228

USE THORIUM ISOTOPES

### THORIUM 230

USE THORIUM ISOTOPES

### THORIUM 234

USE THORIUM ISOTOPES

### THORON

USE RADON ISOTOPES

### THREADS

SN (EXCLUDES TEXTILES AND  
 FILAMENTARY FORMS)  
 RT BOLTS  
 NUTS (FASTENERS)  
 SCREWS

### THREAT EVALUATION

RT AIRCRAFT HAZARDS  
 AIRCRAFT SAFETY  
 COLLISION AVOIDANCE  
 MIDAIR COLLISIONS  
 RADAR TRACKING

### THREAT EVALUATION-(CONT.)

WARNING SYSTEMS

### THREE AXIS STABILIZATION

GS STABILIZATION  
 .. **THREE AXIS STABILIZATION**  
 RT INERTIAL PLATFORMS  
 SATELLITE ATTITUDE CONTROL  
 SATELLITE ORIENTATION  
 STABILIZED PLATFORMS

### THREE BODY PROBLEM

RT CELESTIAL MECHANICS  
 FOUR BODY PROBLEM  
 MANY BODY PROBLEM  
 ORBITS  
 PERTURBATION  
 .. PROBLEMS  
 TROJAN ORBITS  
 TWO BODY PROBLEM

### THREE DIMENSIONAL BODIES

RT AERODYNAMIC CONFIGURATIONS  
 .. BODIES  
 .. BOUNDARY VALUE PROBLEMS  
 .. FLOW DISTRIBUTION

### THREE DIMENSIONAL BOUNDARY LAYER

GS BOUNDARY LAYERS  
 .. **THREE DIMENSIONAL BOUNDARY LAYER**  
 RT AXISYMMETRIC FLOW  
 BOUNDARY LAYER TRANSITION  
 COMPRESSIBLE BOUNDARY LAYER  
 LAMINAR BOUNDARY LAYER  
 .. LAYERS  
 .. SECONDARY FLOW  
 .. TURBULENT BOUNDARY LAYER  
 .. VELOCITY DISTRIBUTION

### THREE DIMENSIONAL COMPOSITES

GS COMPOSITE MATERIALS  
 .. **THREE DIMENSIONAL COMPOSITES**  
 RT FIBER COMPOSITES  
 .. MATERIALS

### THREE DIMENSIONAL FLOW

GS FLUID FLOW  
 .. PARALLEL FLOW  
 .. **THREE DIMENSIONAL FLOW**  
 .. TRANSLATIONAL MOTION  
 .. THREE DIMENSIONAL MOTION  
 .. **THREE DIMENSIONAL FLOW**  
 .. KARMAN-BODEWADT FLOW  
 .. SECONDARY FLOW  
 RT AXIAL FLOW  
 CONICAL FLOW  
 FLOW GEOMETRY  
 HELICAL FLOW  
 ONE DIMENSIONAL FLOW  
 ROSKHO PREDICTION  
 SPHERICAL WAVES  
 TWO DIMENSIONAL FLOW  
 WEDGE FLOW

### THREE DIMENSIONAL MOTION

GS TRANSLATIONAL MOTION  
 .. **THREE DIMENSIONAL MOTION**  
 .. THREE DIMENSIONAL FLOW  
 .. KARMAN-BODEWADT FLOW  
 .. SECONDARY FLOW  
 RT DEGREES OF FREEDOM

### THRESHOLD CURRENTS

GS ELECTRIC CURRENT  
 .. **THRESHOLD CURRENTS**  
 RT LASERS  
 THRESHOLD VOLTAGE  
 .. THRESHOLDS

### THRESHOLD DETECTORS (DOSIMETERS)

GS MEASURING INSTRUMENTS  
 .. RADIATION MEASURING INSTRUMENTS  
 .. RADIATION DETECTORS  
 .. .. DOSIMETERS  
 .. **THRESHOLD DETECTORS (DOSIMETERS)**  
 RT IONIZATION CHAMBERS  
 .. THRESHOLDS

### THRESHOLD GATES

GS CIRCUITS  
 .. DIGITAL ELECTRONICS  
 .. LOGIC CIRCUITS



## THRESHOLD LOGIC

### THRESHOLD GATES-(CONT.)

- ... THRESHOLD GATES
- ... GATES (CIRCUITS)
- ... THRESHOLD GATES
- RT ∞ THRESHOLDS
- TRIGGER CIRCUITS

### THRESHOLD LOGIC

- GS MATHEMATICAL LOGIC
- ... SET THEORY
- ... THRESHOLD LOGIC
- RT GATES (CIRCUITS)
- ∞ LOGIC
- LOGIC CIRCUITS
- ∞ THRESHOLDS
- TRANSISTOR LOGIC
- TRIGGER CIRCUITS

### THRESHOLD SHIFT

- USE THRESHOLDS

### THRESHOLD VOLTAGE

- GS POTENTIAL ENERGY
- ... ELECTRIC POTENTIAL
- ... THRESHOLD VOLTAGE
- RT PHOTOVOLTAGES
- PHOTOVOLTAIC EFFECT
- SEMICONDUCTOR JUNCTIONS
- SILICON JUNCTIONS
- SOLID STATE DEVICES
- THRESHOLD CURRENTS
- ∞ THRESHOLDS
- VOLT-AMPERE CHARACTERISTICS

### ∞ THRESHOLDS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- THRESHOLD SHIFT
- UF DOORS
- RT ENTRANCES
- NOISE THRESHOLD
- RESOLUTION
- RESPONSES
- SENSITIVITY
- THRESHOLD CURRENTS
- THRESHOLD DETECTORS (DOSIMETERS)
- THRESHOLD GATES
- THRESHOLD LOGIC
- THRESHOLD VOLTAGE
- THRESHOLDS (PERCEPTION)

### THRESHOLDS (PERCEPTION)

- RT ACUITY
- ADAPTATION
- AUDIOMETRY
- AUDITORY PERCEPTION
- AUDITORY SENSATION AREAS
- AUDITORY STIMULI
- CHRONAXY
- ∞ FREQUENCY RESPONSE
- HEARING
- LIGHT ADAPTATION
- LIMEN
- NEUROLOGY
- PERCEPTION
- PHOTOSENSITIVITY
- SENSITIVITY
- ∞ THRESHOLDS
- VISION
- VISUAL PERCEPTION

### THROATS

- SN (NON BIOLOGICAL)
- RT CARBURETORS
- ∞ CHANNELS
- CHOKES (RESTRICTIONS)
- DUCTS
- NOZZLE GEOMETRY
- NOZZLE INSERTS
- NOZZLE WALLS
- ORIFICES

### THROMBIN

- GS BIOPOLYMERS
- ... PROTEINS
- ... ENZYMES
- ... THROMBIN
- BODY FLUIDS
- ... BLOOD
- ... THROMBIN
- ORGANIC COMPOUNDS
- ... PROTEINS
- ... ENZYMES
- ... THROMBIN

### THROMBIN-(CONT.)

- RT BLOOD COAGULATION
- FIBRIN
- FIBRINOGEN
- HEMOSTATICS
- PROTHROMBIN
- THROMBOPLASTIN

### THROMBOCYTES

- RT BLOOD COAGULATION
- CLOTTING

### THROMBOPENIA

- GS DISEASES
- ... THROMBOPENIA
- RT COAGULATION

### THROMBOPLASTIN

- GS BODY FLUIDS
- ... BLOOD
- ... THROMBOPLASTIN
- RT BLOOD COAGULATION
- CLOTTING
- HEMOSTATICS
- HOMEOSTASIS
- PLATELETS
- THROMBIN

### THROMBOSIS

- GS DISEASES
- ... THROMBOSIS
- RT BLOOD COAGULATION
- INFARCTION
- MYOCARDIAL INFARCTION

### THROTTLING

- RT JOULE-THOMSON EFFECT
- VARIABLE THRUST

### THROWING

- RT EJECTION
- SPREADING

### THRUST

- UF THRUST POWER
- GS THRUST
- ... HIGH THRUST
- ... JET THRUST
- ... LEADING EDGE THRUST
- ... LOW THRUST
- ... MICROTHRUST
- ... ROCKET THRUST
- ... RETROTHRUST
- ... STATIC THRUST
- ... VARIABLE THRUST
- RT ACCELERATION (PHYSICS)
- AUXILIARY PROPULSION
- BURNING TIME
- DUAL THRUST NOZZLES
- ∞ FORCE
- JET ENGINES
- NOZZLE THRUST COEFFICIENTS
- ∞ POWER
- PROPULSION
- ∞ REACTION
- ROCKET ENGINES
- ROCKET PROPELLANTS
- SPECIFIC IMPULSE

### THRUST AUGMENTATION

- GS AUGMENTATION
- ... THRUST AUGMENTATION
- RT AFTERBURNING
- COANDA EFFECT
- HIGH THRUST
- SECONDARY INJECTION
- SHROUDED PROPELLERS
- VARIABLE THRUST
- WATER INJECTION

### THRUST BEARINGS

- GS BEARINGS
- ... THRUST BEARINGS
- RT ANTIFRICTION BEARINGS
- BALL BEARINGS
- GAS BEARINGS
- ROLLER BEARINGS

### THRUST CHAMBER PRESSURE

- GS PRESSURE
- ... THRUST CHAMBER PRESSURE

### THRUST CHAMBERS

- UF ROCKET CHAMBERS

### THRUST CHAMBERS-(CONT.)

- RT ARC CHAMBERS
- ∞ CHAMBERS
- COMBUSTION CHAMBERS
- DIVERGENT NOZZLES
- ROCKET ENGINE CASES

### THRUST CONTROL

- GS THRUST CONTROL
- ... THRUST VECTOR CONTROL
- RT ATTITUDE CONTROL
- ∞ CONTROL
- CONTROL ROCKETS
- ENGINE CONTROL
- JET CONTROL
- ∞ REACTION CONTROL
- ROCKET ENGINE CONTROL
- SATELLITE CONTROL
- TURBOJET ENGINE CONTROL
- VARIABLE THRUST

### THRUST DISTRIBUTION

- RT AERODYNAMIC FORCES
- ∞ DISTRIBUTION
- FORCE DISTRIBUTION
- LEADING EDGES
- PRESSURE DISTRIBUTION
- VORTICES
- WING PLANFORMS

### THRUST FAULTS

- USE GEOLOGICAL FAULTS

### THRUST LOADS

- GS LOADS (FORCES)
- ... DYNAMIC LOADS
- ... THRUST LOADS
- RT AERODYNAMIC LOADS
- AXIAL COMPRESSION LOADS
- AXIAL LOADS
- COMPRESSION LOADS
- JET THRUST
- ROCKET THRUST
- STRUCTURAL DESIGN CRITERIA

### THRUST MEASUREMENT

- GS MECHANICAL MEASUREMENT
- ... THRUST MEASUREMENT
- RT ACCELEROMETERS
- DYNAMOMETERS
- ∞ FORCE
- ∞ MEASUREMENT

### THRUST POWER

- USE THRUST

### THRUST PROGRAMMING

- UF OPTIMUM THRUST PROGRAMMING
- GS PROGRAMMING (SCHEDULING)
- ... THRUST PROGRAMMING
- RT FLIGHT MECHANICS
- FLIGHT OPTIMIZATION
- FLIGHT PLANS
- ORBITAL MECHANICS
- PARKING ORBITS
- PROPULSIVE EFFICIENCY
- TRAJECTORY CONTROL

### THRUST REVERSAL

- RT AIRCRAFT BRAKES
- BRAKES (FOR ARRESTING MOTION)
- BRAKING
- DECELERATION

### THRUST TERMINATION

- GS STOPPING
- ... THRUST TERMINATION
- RT BURNOUT
- ROCKET THRUST
- STAGE SEPARATION
- VARIABLE THRUST

### THRUST VECTOR CONTROL

- UF TVC (CONTROL)
- GS ATTITUDE CONTROL
- ... DIRECTIONAL CONTROL
- ... THRUST VECTOR CONTROL
- FLIGHT CONTROL
- ... THRUST VECTOR CONTROL
- THRUST CONTROL
- ... THRUST VECTOR CONTROL
- RT AIR SLEW MISSILES
- AUTOMATIC CONTROL
- AUTOMATIC FLIGHT CONTROL

**THRUST VECTOR CONTROL-(CONT.)**

∞ CONTROL  
 . GUIDE VANES  
 . GYROSTABILIZERS  
 . JET VANES  
 . LIQUID INJECTION  
 . MANEUVERABLE SPACECRAFT  
 . MISSILE CONTROL  
 . NOZZLE THRUST COEFFICIENTS  
 . ROCKET ENGINES  
 . SECONDARY INJECTION  
 . SPACECRAFT CONTROL  
 . VARIABLE THRUST  
 . VERNIER ENGINES

**THRUST-WEIGHT RATIO**

GS RATIOS  
 . **THRUST-WEIGHT RATIO**  
 RT ACCELERATION (PHYSICS)  
 . MASS RATIOS  
 . PRESSURE RATIO  
 . ROCKET ENGINES

**∞ THRUSTORS**

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT ION ENGINES  
 . ROCKET ENGINES

**THULIUM**

GS CHEMICAL ELEMENTS  
 . RARE EARTH ELEMENTS  
 . **THULIUM**  
 . . . THULIUM ISOTOPES  
 . METALS  
 . RARE EARTH ELEMENTS  
 . **THULIUM**  
 . . . THULIUM ISOTOPES

**THULIUM COMPOUNDS**

GS RARE EARTH COMPOUNDS  
 . **THULIUM COMPOUNDS**  
 RT ∞ CHEMICAL COMPOUNDS  
 . ∞ METAL COMPOUNDS

**THULIUM ISOTOPES**

UF THULIUM 171  
 GS CHEMICAL ELEMENTS  
 . NUCLIDES  
 . . ISOTOPES  
 . . . **THULIUM ISOTOPES**  
 . RARE EARTH ELEMENTS  
 . . THULIUM  
 . . . **THULIUM ISOTOPES**  
 . METALS  
 . RARE EARTH ELEMENTS  
 . . THULIUM  
 . . . **THULIUM ISOTOPES**

**THULIUM 171**

USE THULIUM ISOTOPES

**THUNDERCHIEF AIRCRAFT**

USE F-105 AIRCRAFT

**THUNDERSTORMS**

GS STORMS  
 . STORMS (METEOROLOGY)  
 . . RAINSTORMS  
 . . . **THUNDERSTORMS**  
 RT ANVIL CLOUDS  
 . ARC CLOUDS  
 . ATMOSPHERICS  
 . CIRROCUMULUS CLOUDS  
 . CIRROSTRATUS CLOUDS  
 . CLOUDS (METEOROLOGY)  
 . COLD FRONTS  
 . CUMULONIMBUS CLOUDS  
 . FRONTS (METEOROLOGY)  
 . HAIL  
 . HAILSTORMS  
 . LIGHTNING  
 . LIGHTNING SUPPRESSION  
 . RAIN  
 . STORM DAMAGE  
 . WARM FRONTS  
 . WIND (METEOROLOGY)

**THYMIDINE**

GS ACIDS  
 . **THYMIDINE**  
 . BASES (CHEMICAL)  
 . **THYMIDINE**

**THYMIDINE-(CONT.)**

ORGANIC COMPOUNDS  
 . CYCLIC COMPOUNDS  
 . . HETEROCYCLIC COMPOUNDS  
 . . . PYRIMIDINES  
 . . . . **THYMIDINE**  
 RT ALLOXAN  
 . DEOXYRIBONUCLEIC ACID  
 . NUCLEOSIDES

**THYMINE**

GS ACIDS  
 . **THYMINE**  
 . NITROGEN COMPOUNDS  
 . **THYMINE**  
 . ORGANIC COMPOUNDS  
 . CYCLIC COMPOUNDS  
 . . HETEROCYCLIC COMPOUNDS  
 . . . PYRIMIDINES  
 . . . . **THYMINE**  
 RT ALLOXAN  
 . DEOXYRIBONUCLEIC ACID

**THYMOL**

GS HYDROXYL COMPOUNDS  
 . ALCOHOLS  
 . PHENOLS  
 . . **THYMOL**

**THYMUS GLAND**

GS ANATOMY  
 . GLANDS (ANATOMY)  
 . . ENDOCRINE GLANDS  
 . . . **THYMUS GLAND**

**THYRATRONS**

GS ELECTRON TUBES  
 . GAS DISCHARGE TUBES  
 . . **THYRATRONS**  
 . MICROWAVE EQUIPMENT  
 . **THYRATRONS**  
 . RECTIFIERS  
 . **THYRATRONS**  
 RT CURRENT CONVERTERS (AC TO DC)  
 . SILICON CONTROLLED RECTIFIERS  
 . THYRISTORS

**THYRISTORS**

GS ELECTRONIC EQUIPMENT  
 . SOLID STATE DEVICES  
 . . SEMICONDUCTOR DEVICES  
 . . . **THYRISTORS**  
 . . . . SILICON CONTROLLED  
 . . . . RECTIFIERS  
 . RECTIFIERS  
 . **THYRISTORS**  
 . . SILICON CONTROLLED RECTIFIERS  
 RT JUNCTION TRANSISTORS  
 . P-N-P-N JUNCTIONS  
 . THYRATRONS  
 . TRIGGER CIRCUITS  
 . TRIODES

**THYROID GLAND**

GS ANATOMY  
 . GLANDS (ANATOMY)  
 . . ENDOCRINE GLANDS  
 . . . **THYROID GLAND**  
 RT CALCIUM METABOLISM  
 . HYPOMETABOLISM  
 . THYROXINE

**THYROXINE**

GS ACIDS  
 . AMINO ACIDS  
 . . **THYROXINE**  
 . ORGANIC COMPOUNDS  
 . . AMINO ACIDS  
 . . . **THYROXINE**  
 . SECRETIONS  
 . . ENDOCRINE SECRETIONS  
 . . . HORMONES  
 . . . . **THYROXINE**  
 RT THYROID GLAND

**TIBET**

GS NATIONS  
 . **TIBET**  
 RT ASIA  
 . BHUTAN  
 . HIMALAYAS

**TIBIA**

GS ANATOMY

**TIBIA-(CONT.)**

. MUSCULOSKELETAL SYSTEM  
 . . BONES  
 . . . **TIBIA**  
 RT LEG (ANATOMY)

**TID**

USE TRAVELING IONOSPHERIC  
 . DISTURBANCES

**TIDAL FLATS**

GS LANDFORMS  
 . FLATS (LANDFORMS)  
 . . **TIDAL FLATS**  
 RT AQUICULTURE  
 . COASTS  
 . ESTUARIES  
 . FISHERIES  
 . MARSHLANDS  
 . MUD  
 . OCEANS  
 . SHORELINES  
 . TIDES

**TIDAL OSCILLATION**

USE TIDES

**TIDAL WAVES**

GS WATER WAVES  
 . **TIDAL WAVES**  
 RT OCEAN CURRENTS  
 . OCEAN SURFACE  
 . OCEANOGRAPHY  
 . SEA BREEZE  
 . SEA ROUGHNESS  
 . SEISMOLOGY  
 . TSUNAMI WAVES  
 ∞ WAVES  
 . WIND (METEOROLOGY)

**TIDE POWERED GENERATORS**

RT ELECTRIC GENERATORS  
 . ENERGY CONVERSION EFFICIENCY  
 . GENERATORS  
 ∞ OCEAN CURRENTS  
 . OCEAN SURFACE  
 . OCEANOGRAPHY  
 . OCEANS  
 . SEA ROUGHNESS  
 . TIDEPOWER  
 . TIDES  
 . WATERWAVE ENERGY CONVERSION  
 . WATERWAVE POWERED MACHINES

**TIDE POWERED MACHINES**

RT ∞ MACHINERY  
 . OCEAN CURRENTS  
 . OCEAN SURFACE  
 . SEA ROUGHNESS  
 . TIDEPOWER  
 . TIDES  
 . WATERWAVE ENERGY CONVERSION  
 . WATERWAVE POWERED MACHINES

**TIDEPOWER**

RT CLEAN ENERGY  
 . EARTH RESOURCES  
 ∞ ENERGY SOURCES  
 . OCEAN CURRENTS  
 . OCEAN SURFACE  
 . OCEANOGRAPHY  
 . SEA ROUGHNESS  
 . TIDE POWERED GENERATORS  
 . TIDE POWERED MACHINES  
 . TIDES  
 . WATERWAVE ENERGY  
 . WATERWAVE ENERGY CONVERSION  
 . WATERWAVE POWERED MACHINES

**TIDES**

UF TIDAL OSCILLATION  
 GS **TIDES**  
 . ATMOSPHERIC TIDES  
 . EARTH TIDES  
 . LUNAR TIDES  
 RT COASTAL CURRENTS  
 . ESTUARIES  
 . FLOOD DAMAGE  
 . FLOODS  
 . OCEAN CURRENTS  
 . OCEAN SURFACE  
 . OCEANOGRAPHY  
 . PRESSURE ICE  
 . SEA ROUGHNESS  
 . TIDAL FLATS

## TIEBOLTS

### TIDES-(CONT.)

TIDE POWERED GENERATORS  
TIDE POWERED MACHINES  
TIDEPOWER  
WATER CURRENTS  
WATERWAVE ENERGY CONVERSION  
WATERWAVE POWERED MACHINES  
WETLANDS

### TIEBOLTS

GS FASTENERS  
. BOLTS  
. TIEBOLTS

### TIG WELDING

USE GAS TUNGSTEN ARC WELDING

### TIGHTNESS

RT CLEARANCES  
CLOSURES  
PROXIMITY

### TILES

RT CERAMICS  
FLOORS  
GROUT  
LUDOX (TRADEMARK)  
MASONRY  
WALLS

### TILT

USE ATTITUDE (INCLINATION)

### TILT ROTOR AIRCRAFT

GS V/STOL AIRCRAFT  
. ROTARY WING AIRCRAFT  
. TILT ROTOR AIRCRAFT  
. . . XV-15 AIRCRAFT  
RT  $\infty$  AIRCRAFT  
HELICOPTERS  
TILTING ROTORS

### TILT ROTOR RESEARCH AIRCRAFT PROGRAM

GS PROGRAMS  
. NASA PROGRAMS  
. TILT ROTOR RESEARCH AIRCRAFT  
PROGRAM  
RT  $\infty$  AIRCRAFT  
HELICOPTERS  
ROTARY WINGS  
XV-15 AIRCRAFT

### TILT WING AIRCRAFT

UF PIVOTED WING AIRCRAFT  
GS TILT WING AIRCRAFT  
. CL-84 AIRCRAFT  
. L-29 JET TRAINER  
. VZ-2 AIRCRAFT  
. XC-142 AIRCRAFT  
RT  $\infty$  AIRCRAFT  
FAN IN WING AIRCRAFT  
RESEARCH AIRCRAFT  
SHORT TAKEOFF AIRCRAFT  
V/STOL AIRCRAFT  
VERTICAL TAKEOFF AIRCRAFT  
X-22 AIRCRAFT

### TILTED PROPELLERS

GS PROPELLERS  
. TILTED PROPELLERS  
RT HELICOPTER PROPELLER DRIVE

### TILTING

USE ATTITUDE (INCLINATION)

### TILTING ROTORS

GS AIRFOILS  
. WINGS  
. . . ROTARY WINGS  
. . . TILTING ROTORS  
ROTATING BODIES  
. ROTORS  
. . . ROTARY WINGS  
. . . TILTING ROTORS  
RT TILT ROTOR AIRCRAFT  
XV-3 AIRCRAFT

### TILTMETERS

GS MEASURING INSTRUMENTS  
. TILTMETERS  
RT ATTITUDE (INCLINATION)  
GEOPHYSICS  
SEISMOGRAPHS

### TIMBER IDENTIFICATION

GS IDENTIFYING  
. TIMBER IDENTIFICATION  
RECOGNITION  
. TIMBER IDENTIFICATION  
RT CONIFERS  
CROP IDENTIFICATION  
DECIDUOUS TREES  
EARTH RESOURCES  
EVALUATION  
FORESTS  
TREES (PLANTS)

### TIMBER INVENTORY

GS INVENTORIES  
. TIMBER INVENTORY  
RT AERIAL PHOTOGRAPHY  
EARTH RESOURCES  
FOREST MANAGEMENT  
FORESTS  
INFRARED PHOTOGRAPHY  
PHOTOGRAPHY  
REFORESTATION  
SATELLITE-BORNE PHOTOGRAPHY  
TREES (PLANTS)

### TIMBER VIGOR

RT FOLIAGE  
FORESTS  
GROWTH  
TIMBERLINE  
TREES (PLANTS)

### TIMBERLINE

RT DENDROCHRONOLOGY  
FORESTS  
GROWTH  
HIGH ALTITUDE ENVIRONMENTS  
POLAR REGIONS  
TIMBER VIGOR  
TREES (PLANTS)

### TIME

UF DURATION  
GS TIME  
. ACCESS TIME  
. BURNING TIME  
. DOWNTIME  
. EPHEMERIS TIME  
. FLIGHT TIME  
. MTBF  
. REACTION TIME  
. . . CHRONAXY  
. RELAXATION TIME  
. RESPONSE TIME (COMPUTERS)  
. SIDEREAL TIME  
. TESTING TIME  
. TRANSIT TIME  
. UNIVERSAL TIME  
RT CALENDARS  
CELESTIAL GEODESY  
CHRONOLOGY  
EXPOSURE  
INTERVALS  
LAUNCH DATES  
MONTH  
PROLONGATION  
RELATIVISTIC EFFECTS  
SCHEDULES  
SYNCHRONISM  
TIME MEASUREMENT  
UNITS OF MEASUREMENT

### TIME CONSTANT

GS CONSTANTS  
. TIME CONSTANT  
. . . PERCEPTUAL TIME CONSTANT  
RT ACCESS TIME  
 $\infty$  CONSTANT  
DAMPING  
DYNAMIC CHARACTERISTICS  
DYNAMIC RESPONSE  
IMPEDANCE  
LC CIRCUITS  
RC CIRCUITS  
REACTION TIME  
RELAXATION TIME  
RL CIRCUITS  
RLC CIRCUITS  
 $\infty$  TIME RESPONSE  
TRANSFER FUNCTIONS  
TRANSIENT RESPONSE

### TIME DELAY

USE TIME LAG

### TIME DEPENDENCE

GS DEPENDENCE  
. TIME DEPENDENCE  
RT  $\infty$  HELMHOLTZ EQUATIONS  
SPATIAL DEPENDENCIES  
STOCHASTIC PROCESSES  
TEMPORAL DISTRIBUTION  
 $\infty$  TIME RESPONSE

### TIME DISCRIMINATION

RT COMPARATOR CIRCUITS  
SENSORY DISCRIMINATION

### TIME DIVISION MULTIPLE ACCESS

UF TDMA  
GS TELECOMMUNICATION  
. MULTIPLE ACCESS  
. . . TIME DIVISION MULTIPLE ACCESS  
. RADIO COMMUNICATION  
. . . RADIO RELAY SYSTEMS  
. . . . TIME DIVISION MULTIPLE ACCESS  
RT ALOHA SYSTEM  
CHANNEL NOISE  
FREQUENCY DIVISION MULTIPLE  
ACCESS  
MULTICHANNEL COMMUNICATION  
PACKET SWITCHING  
PULSE COMMUNICATION  
SATELLITE NETWORKS  
SWITCHING  
WIDEBAND COMMUNICATION

### TIME DIVISION MULTIPLEXING

GS TRANSMISSION  
. MULTIPLEXING  
. . . TIME DIVISION MULTIPLEXING  
RT DEMULTIPLEXING  
FREQUENCY DIVISION MULTIPLEXING  
PULSE MODULATION  
TELEMETRY  
TELEVISION TRANSMISSION  
WAVELENGTH DIVISION MULTIPLEXING

### TIME FUNCTIONS

GS FUNCTIONS (MATHEMATICS)  
. TIME FUNCTIONS  
RT RATES (PER TIME)  
SQUARE WAVES  
STOCHASTIC PROCESSES  
WAVE FUNCTIONS  
WAVEFORMS

### TIME LAG

UF CHRONOTRONS  
LAG (DELAY)  
TIME DELAY  
RT CEPSTRAL ANALYSIS  
DELAY  
DELAY LINES  
ELECTRIC RELAYS  
HYSTERESIS  
INVENTORY CONTROLS  
REACTION TIME  
REFRACTORY PERIOD  
RESPONSES  
SCHEDULES  
 $\infty$  TIME RESPONSE

### TIME LAPSE PHOTOGRAPHY

USE CHRONOPHOTOGRAPHY

### TIME MARCHING

RT FINITE DIFFERENCE THEORY  
NUMERICAL ANALYSIS  
SPATIAL MARCHING

### TIME MEASUREMENT

UF DATING  
EPOCHS  
TIMING  
GS TIME MEASUREMENT  
. CLOCK PARADOX  
RT ATOMIC CLOCKS  
CHRONOMETERS  
CLOCKS  
CONSECUTIVE EVENTS  
FREQUENCY MEASUREMENT  
 $\infty$  MEASUREMENT  
OSCILLOGRAPHS  
RADIOACTIVE AGE DETERMINATION  
RATES (PER TIME)  
SIDEREAL TIME  
STROBOSCOPES  
SYNCHRONISM  
 $\infty$  TIME RESPONSE

# TIROS OPERATIONAL SATELLITE SYSTEM

## TIME MEASUREMENT-(CONT.)

TIMING DEVICES  
VELOCITY  
VELOCITY MEASUREMENT  
WINDOWS (INTERVALS)

## TIME MEASURING INSTRUMENTS

GS MEASURING INSTRUMENTS  
... **TIME MEASURING INSTRUMENTS**  
... CLOCKS  
... ATOMIC CLOCKS  
... AUTONOMOUS SPACECRAFT  
... CLOCKS  
... CHRONOMETERS  
... TIMING DEVICES

## TIME OF FLIGHT SPECTROMETERS

GS MEASURING INSTRUMENTS  
... SPECTROMETERS  
... **TIME OF FLIGHT SPECTROMETERS**  
RT SPECTROSCOPY

## TIME OPTIMAL CONTROL

GS AUTOMATIC CONTROL  
... OPTIMAL CONTROL  
... **TIME OPTIMAL CONTROL**  
... OPTIMIZATION  
... OPTIMAL CONTROL  
... **TIME OPTIMAL CONTROL**  
RT ∞ CONTROL

## ∞ TIME RESPONSE

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT ACCESS TIME  
DELAY  
RESPONSE BIAS  
RESPONSES  
TEMPORAL DISTRIBUTION  
TIME CONSTANT  
TIME DEPENDENCE  
TIME LAG  
TIME MEASUREMENT

## TIME SERIES ANALYSIS

RT ∞ APPLICATIONS OF MATHEMATICS  
AUTOCORRELATION  
CORRELATION  
CURVE FITTING  
DATA SAMPLING  
EXTRAPOLATION  
FORECASTING  
FOURIER ANALYSIS  
KALMAN-SCHMIDT FILTERING  
MAXIMUM ENTROPY METHOD  
SCHEDULING  
∞ STATISTICS  
STOCHASTIC PROCESSES  
TRENDS

## TIME SHARING

RT COMPUTER PROGRAMMING  
COORDINATION  
MULTIPLE OUTPUT PROGRAMS  
MULTIPROCESSING (COMPUTERS)  
MULTIPROGRAMMING  
PIPELINING (COMPUTERS)  
RUN TIME (COMPUTERS)

## TIME SIGNALS

RT CLOCK PARADOX  
FREQUENCY STANDARDS  
PICOSECOND PULSES  
PULSE DURATION  
∞ SIGNALS  
TIMING DEVICES

## TIME TEMPERATURE PARAMETER

RT AGING (METALLURGY)  
AUSTENITIC STAINLESS STEELS  
EMBRITTEMENT  
FRACTURE MECHANICS  
LONG TERM EFFECTS  
METALLOGRAPHY  
PRECIPITATION HARDENING  
TEMPERATURE EFFECTS

## TIMERS

USE TIMING DEVICES

## TIMING

USE TIME MEASUREMENT

## TIMING DEVICES

UF TIMERS  
GS MEASURING INSTRUMENTS  
... TIME MEASURING INSTRUMENTS  
... **TIMING DEVICES**  
RT CHRONOMETERS  
CLOCK PARADOX  
CLOCKS  
DWELL  
PENDULUMS  
TACHOMETERS  
TIME MEASUREMENT  
TIME SIGNALS

## TIMOSHENKO BEAMS

GS STRUCTURAL MEMBERS  
... BEAMS (SUPPORTS)  
... **TIMOSHENKO BEAMS**  
RT COLUMNS (SUPPORTS)  
TRUSSES

## TIN

GS CHEMICAL ELEMENTS  
... **TIN**  
... TIN ISOTOPES  
METALS  
... **TIN**  
... TIN ISOTOPES

## TIN ALLOYS

GS ALLOYS  
... **TIN ALLOYS**  
... BABBITT METAL  
RT BEARING ALLOYS  
BISMUTH ALLOYS  
INDIUM ALLOYS  
SOLDERS  
STANNIDES  
ZIRCALOYS (TRADEMARK)

## TIN COMPOUNDS

GS **TIN COMPOUNDS**  
... ORGANIC TIN COMPOUNDS  
... STANNATES  
... STANNIDES  
... NIOBIUM STANNIDES  
... TIN OXIDES  
... TIN TELLURIDES  
RT ∞ CHEMICAL COMPOUNDS  
∞ GROUP 4A COMPOUNDS  
∞ METAL COMPOUNDS

## TIN ISOTOPES

GS CHEMICAL ELEMENTS  
... NUCLIDES  
... ISOTOPES  
... **TIN ISOTOPES**  
... **TIN**  
... **TIN ISOTOPES**  
METALS  
... **TIN**  
... **TIN ISOTOPES**

## TIN OXIDES

GS CHALCOGENIDES  
... OXIDES  
... METAL OXIDES  
... **TIN OXIDES**  
TIN COMPOUNDS  
... **TIN OXIDES**  
RT SIS (SEMICONDUCTORS)

## TIN TELLURIDES

GS CHALCOGENIDES  
... TELLURIDES  
... **TIN TELLURIDES**  
TELLURIUM COMPOUNDS  
... TELLURIDES  
... **TIN TELLURIDES**  
TIN COMPOUNDS  
... **TIN TELLURIDES**

## TIP DRIVEN ROTORS

UF HOT CYCLE PROPULSION SYSTEM  
GS AIRFOILS  
... WINGS  
... ROTARY WINGS  
... **TIP DRIVEN ROTORS**  
ROTATING BODIES  
... ROTORS  
... ROTARY WINGS  
... **TIP DRIVEN ROTORS**  
RT XV-9A AIRCRAFT

## TIP SPEED

GS RATES (PER TIME)  
... **TIP SPEED**  
VELOCITY  
... **TIP SPEED**  
RT ANGULAR VELOCITY  
CRITICAL VELOCITY  
ROTOR SPEED

## TIP VANES

GS ROTATING BODIES  
... ROTORS  
... **TIP VANES**  
TURBOMACHINERY  
TURBINES  
... WIND TURBINES  
... **TIP VANES**

## TIPS

GS **TIPS**  
... BLADE TIPS  
... CRACK TIPS  
... NOSE TIPS  
... WING TIPS  
RT AIRFOIL PROFILES  
EDGES

## TIRES

GS **TIRES**  
RT AIRCRAFT TIRES  
BLOWOUTS  
INFLATABLE STRUCTURES  
LANDING GEAR  
ROLLERS  
TOROIDAL WHEELS  
TREADS  
VEHICLE WHEELS  
WHEEL BRAKES  
WHEELS

## TIROS D SATELLITE

USE TIROS 4 SATELLITE

## TIROS E SATELLITE

USE TIROS 5 SATELLITE

## TIROS F SATELLITE

USE TIROS 6 SATELLITE

## TIROS G SATELLITE

USE TIROS 7 SATELLITE

## TIROS H SATELLITE

USE TIROS 8 SATELLITE

## TIROS M

GS ARTIFICIAL SATELLITES  
... METEOROLOGICAL SATELLITES  
... TIROS SATELLITES  
... **TIROS M**  
RT IMPROVED TIROS OPERATIONAL  
SATELLITES  
ITOS SATELLITES  
ITOS 1  
ITOS 2  
ITOS 3  
ITOS 4

## TIROS N SERIES SATELLITES

GS ARTIFICIAL SATELLITES  
... METEOROLOGICAL SATELLITES  
... TIROS SATELLITES  
... **TIROS N SERIES SATELLITES**  
RT IMPROVED TIROS OPERATIONAL  
SATELLITES  
ITOS 1  
ITOS 2  
ITOS 3  
ITOS 4  
NOAA 7 SATELLITE  
TIROS OPERATIONAL SATELLITE  
SYSTEM

## TIROS OPERATIONAL SATELLITE SYSTEM

RT CLOUD PHOTOGRAPHY  
ITOS 1  
ITOS 2  
ITOS 3  
ITOS 4  
SATELLITE OBSERVATION  
∞ SYSTEMS  
TIROS N SERIES SATELLITES

## TIROS PROJECT

### TIROS PROJECT

GS PROGRAMS  
 . . . NASA PROGRAMS  
 . . . NASA SPACE PROGRAMS  
 . . . **TIROS PROJECT**  
 . . . PROJECTS  
 . . . **TIROS PROJECT**  
 . . . SPACE PROGRAMS  
 . . . NASA SPACE PROGRAMS  
 . . . **TIROS PROJECT**  
 RT CLOUD PHOTOGRAPHS  
 CLOUD PHOTOGRAPHY  
 METEOROLOGICAL SATELLITES

### TIROS SATELLITES

GS ARTIFICIAL SATELLITES  
 . . . METEOROLOGICAL SATELLITES  
 . . . **TIROS SATELLITES**  
 . . . IMPROVED TIROS OPERATIONAL  
 SATELLITES  
 . . . . . ITOS 1  
 . . . . . ITOS 2  
 . . . . . ITOS 3  
 . . . . . ITOS 4  
 . . . . . ITOS SATELLITES  
 . . . . . ITOS 1  
 . . . . . ITOS 2  
 . . . . . ITOS 3  
 . . . . . ITOS 4  
 . . . . . TIROS M  
 . . . . . TIROS N SERIES SATELLITES  
 . . . . . TIROS 1 SATELLITE  
 . . . . . TIROS 2 SATELLITE  
 . . . . . TIROS 3 SATELLITE  
 . . . . . TIROS 4 SATELLITE  
 . . . . . TIROS 5 SATELLITE  
 . . . . . TIROS 6 SATELLITE  
 . . . . . TIROS 7 SATELLITE  
 . . . . . TIROS 8 SATELLITE  
 . . . . . TIROS 9 SATELLITE  
 . . . . . TIROS 10 SATELLITE  
 RT CLOUD PHOTOGRAPHY  
 ESSA SATELLITES  
 POLAR ORBITS  
 SATELLITE OBSERVATION

### TIROS WHEEL SATELLITE

USE TIROS 9 SATELLITE

### TIROS 1 SATELLITE

GS ARTIFICIAL SATELLITES  
 . . . METEOROLOGICAL SATELLITES  
 . . . TIROS SATELLITES  
 . . . **TIROS 1 SATELLITE**  
 RT THOR ABLE ROCKET VEHICLE

### TIROS 2 SATELLITE

GS ARTIFICIAL SATELLITES  
 . . . METEOROLOGICAL SATELLITES  
 . . . TIROS SATELLITES  
 . . . **TIROS 2 SATELLITE**  
 RT DELTA LAUNCH VEHICLE

### TIROS 3 SATELLITE

GS ARTIFICIAL SATELLITES  
 . . . METEOROLOGICAL SATELLITES  
 . . . TIROS SATELLITES  
 . . . **TIROS 3 SATELLITE**  
 RT DELTA LAUNCH VEHICLE

### TIROS 4 SATELLITE

UF TIROS D SATELLITE  
 GS ARTIFICIAL SATELLITES  
 . . . METEOROLOGICAL SATELLITES  
 . . . TIROS SATELLITES  
 . . . **TIROS 4 SATELLITE**  
 RT DELTA LAUNCH VEHICLE

### TIROS 5 SATELLITE

UF TIROS E SATELLITE  
 GS ARTIFICIAL SATELLITES  
 . . . METEOROLOGICAL SATELLITES  
 . . . TIROS SATELLITES  
 . . . **TIROS 5 SATELLITE**  
 RT DELTA LAUNCH VEHICLE

### TIROS 6 SATELLITE

UF TIROS F SATELLITE  
 GS ARTIFICIAL SATELLITES  
 . . . METEOROLOGICAL SATELLITES  
 . . . TIROS SATELLITES  
 . . . **TIROS 6 SATELLITE**  
 RT DELTA LAUNCH VEHICLE

### TIROS 7 SATELLITE

UF TIROS G SATELLITE  
 GS ARTIFICIAL SATELLITES  
 . . . METEOROLOGICAL SATELLITES  
 . . . TIROS SATELLITES  
 . . . **TIROS 7 SATELLITE**  
 RT DELTA LAUNCH VEHICLE

### TIROS 8 SATELLITE

UF TIROS H SATELLITE  
 GS ARTIFICIAL SATELLITES  
 . . . METEOROLOGICAL SATELLITES  
 . . . TIROS SATELLITES  
 . . . **TIROS 8 SATELLITE**  
 RT DELTA LAUNCH VEHICLE

### TIROS 9 SATELLITE

UF TIROS WHEEL SATELLITE  
 GS ARTIFICIAL SATELLITES  
 . . . METEOROLOGICAL SATELLITES  
 . . . TIROS SATELLITES  
 . . . **TIROS 9 SATELLITE**  
 RT DELTA LAUNCH VEHICLE

### TIROS 10 SATELLITE

GS ARTIFICIAL SATELLITES  
 . . . METEOROLOGICAL SATELLITES  
 . . . TIROS SATELLITES  
 . . . **TIROS 10 SATELLITE**  
 RT DELTA LAUNCH VEHICLE

### TISSUES (BIOLOGY)

GS **TISSUES (BIOLOGY)**  
 . . . ADIPOSE TISSUES  
 . . . ENDOTHELIUM  
 . . . EPICARDIUM  
 . . . EPITHELIUM  
 . . . HYPODERMIS  
 . . . NEUROGLIA  
 . . . PLANTAR TISSUES  
 . . . SCARS  
 RT ANATOMY  
 ATROPHY  
 ∞ BIOLOGY  
 CANCER  
 ∞ CELLS  
 CELLS (BIOLOGY)  
 CULTIVATION  
 CYSTIC FIBROSIS  
 CYSTS  
 FIBROBLASTS  
 FIBROSIS  
 HISTOCHEMICAL ANALYSIS  
 INFARCTION  
 MACROPHAGES  
 MEDIASTINUM  
 ORGANS  
 PERITONEUM

### TITAN

GS CELESTIAL BODIES  
 . . . NATURAL SATELLITES  
 . . . SATURN SATELLITES  
 . . . **TITAN**  
 RT ATMOSPHERIC COMPOSITION  
 CHARON  
 SATELLITE ATMOSPHERES  
 SATURN (PLANET)  
 TRITON

### TITAN CENTAUR LAUNCH VEHICLE

GS LAUNCH VEHICLES  
 . . . **TITAN CENTAUR LAUNCH VEHICLE**  
 ROCKET VEHICLES  
 . . . **TITAN CENTAUR LAUNCH VEHICLE**  
 RT CENTAUR LAUNCH VEHICLE

### TITAN ICBM

GS MISSILES  
 . . . BALLISTIC MISSILES  
 . . . INTERCONTINENTAL BALLISTIC  
 MISSILES  
 . . . **TITAN ICBM**  
 . . . . . TITAN 1 ICBM  
 . . . . . TITAN 2 ICBM  
 . . . SURFACE TO SURFACE MISSILES  
 . . . INTERCONTINENTAL BALLISTIC  
 MISSILES  
 . . . **TITAN ICBM**  
 . . . . . TITAN 1 ICBM  
 . . . . . TITAN 2 ICBM  
 RT LIQUID PROPELLANT ROCKET ENGINES  
 LR-91-AJ-5 ENGINE  
 MULTISTAGE ROCKET VEHICLES  
 YLR-91-AJ-1 ENGINE

### TITAN LAUNCH VEHICLES

GS LAUNCH VEHICLES  
 . . . **TITAN LAUNCH VEHICLES**  
 . . . TITAN 3 LAUNCH VEHICLE  
 ROCKET VEHICLES  
 . . . MULTISTAGE ROCKET VEHICLES  
 . . . **TITAN LAUNCH VEHICLES**  
 . . . TITAN 3 LAUNCH VEHICLE  
 RT GEMINI 3 FLIGHT  
 GEMINI 7 FLIGHT  
 GEMINI 8 FLIGHT  
 GEMINI 9 FLIGHT  
 GEMINI 10 FLIGHT  
 GEMINI 11 FLIGHT  
 GEMINI 12 FLIGHT  
 LIQUID PROPELLANT ROCKET ENGINES  
 SOLID PROPELLANT ROCKET ENGINES  
 ∞ VEHICLES

### TITAN PROJECT

GS PROGRAMS  
 . . . NASA PROGRAMS  
 . . . NASA SPACE PROGRAMS  
 . . . **TITAN PROJECT**  
 . . . PROJECTS  
 . . . **TITAN PROJECT**  
 . . . SPACE PROGRAMS  
 . . . NASA SPACE PROGRAMS  
 . . . **TITAN PROJECT**  
 RT ∞ BOOSTERS  
 GEMINI PROJECT  
 GEMINI SPACECRAFT  
 LAUNCH VEHICLES  
 LAUNCHERS  
 LAUNCHING

### TITAN 1 ICBM

UF SM-68 MISSILE  
 GS MISSILES  
 . . . BALLISTIC MISSILES  
 . . . INTERCONTINENTAL BALLISTIC  
 MISSILES  
 . . . TITAN ICBM  
 . . . . . **TITAN 1 ICBM**  
 . . . SURFACE TO SURFACE MISSILES  
 . . . INTERCONTINENTAL BALLISTIC  
 MISSILES  
 . . . TITAN ICBM  
 . . . . . **TITAN 1 ICBM**  
 RT LR-87-AJ-5 ENGINE

### TITAN 2 ICBM

UF SM-68B MISSILE  
 GS MISSILES  
 . . . BALLISTIC MISSILES  
 . . . INTERCONTINENTAL BALLISTIC  
 MISSILES  
 . . . TITAN ICBM  
 . . . . . **TITAN 2 ICBM**  
 . . . SURFACE TO SURFACE MISSILES  
 . . . INTERCONTINENTAL BALLISTIC  
 MISSILES  
 . . . TITAN ICBM  
 . . . . . **TITAN 2 ICBM**  
 RT HYLA-STAR ROCKET VEHICLE

### TITAN 3 LAUNCH VEHICLE

GS LAUNCH VEHICLES  
 . . . TITAN LAUNCH VEHICLES  
 . . . **TITAN 3 LAUNCH VEHICLE**  
 ROCKET VEHICLES  
 . . . MULTISTAGE ROCKET VEHICLES  
 . . . TITAN LAUNCH VEHICLES  
 . . . **TITAN 3 LAUNCH VEHICLE**  
 RT MANNED ORBITAL LABORATORIES

### TITANATES

GS TITANIUM COMPOUNDS  
 . . . **TITANATES**  
 . . . BARIUM TITANATES  
 . . . ILMENITE  
 . . . LEAD TITANATES  
 . . . MAGNESIUM TITANATES  
 . . . PEROVSKITES  
 . . . PIEZOELECTRIC CERAMICS  
 . . . LEAD ZIRCONATE TITANATES  
 . . . STRONTIUM TITANATES  
 . . . ZIRCONIUM TITANATES  
 RT EUXENITE

### TITANIA

GS CELESTIAL BODIES  
 . . . NATURAL SATELLITES  
 . . . ICY SATELLITES  
 . . . **TITANIA**

**TITANIA-(CONT.)**

... URANUS SATELLITES  
 ... **TITANIA**  
 RT URANUS (PLANET)

**TITANIUM**

GS CHEMICAL ELEMENTS  
 . **TITANIUM**  
 . TITANIUM ISOTOPES  
 METALS  
 . TRANSITION METALS  
 . **TITANIUM**  
 . . . TITANIUM ISOTOPES

**TITANIUM ALLOYS**

GS ALLOYS  
 . **TITANIUM ALLOYS**  
 . NITINOL ALLOYS  
 RT ALUMINIDES  
 SHAPE MEMORY ALLOYS  
 VANADIUM ALLOYS

**TITANIUM BORIDES**

GS BORON COMPOUNDS  
 . BORIDES  
 . . **TITANIUM BORIDES**  
 TITANIUM COMPOUNDS  
 . **TITANIUM BORIDES**

**TITANIUM CARBIDES**

GS CARBON COMPOUNDS  
 . CARBIDES  
 . . **TITANIUM CARBIDES**  
 TITANIUM COMPOUNDS  
 . **TITANIUM CARBIDES**  
 RT CERAMIC FIBERS  
 CERAMIC MATRIX COMPOSITES

**TITANIUM CHLORIDES**

GS HALOGEN COMPOUNDS  
 . CHLORINE COMPOUNDS  
 . . CHLORIDES  
 . . . **TITANIUM CHLORIDES**  
 HALIDES  
 . CHLORIDES  
 . . **TITANIUM CHLORIDES**  
 . METAL HALIDES  
 . . . **TITANIUM CHLORIDES**  
 TITANIUM COMPOUNDS  
 . **TITANIUM CHLORIDES**

**TITANIUM COMPOUNDS**

GS **TITANIUM COMPOUNDS**  
 . TITANATES  
 . . BARIUM TITANATES  
 . . ILMENITE  
 . . LEAD TITANATES  
 . . MAGNESIUM TITANATES  
 . . PEROVSKITES  
 . . PIEZOELECTRIC CERAMICS  
 . . LEAD ZIRCONATE TITANATES  
 . . STRONTIUM TITANATES  
 . . ZIRCONIUM TITANATES  
 . TITANIUM BORIDES  
 . TITANIUM CARBIDES  
 . TITANIUM CHLORIDES  
 . TITANIUM NITRIDES  
 . TITANIUM OXIDES  
 . . ANATASE  
 . . ILMENITE  
 . . RUTILE  
 RT ∞ CHEMICAL COMPOUNDS  
 ∞ GROUP 4B COMPOUNDS  
 ∞ METAL COMPOUNDS

**TITANIUM DIOXIDE**

USE TITANIUM OXIDES

**TITANIUM ISOTOPES**

GS CHEMICAL ELEMENTS  
 . NUCLIDES  
 . . ISOTOPES  
 . . . **TITANIUM ISOTOPES**  
 . TITANIUM  
 . . **TITANIUM ISOTOPES**  
 METALS  
 . TRANSITION METALS  
 . TITANIUM  
 . . **TITANIUM ISOTOPES**

**TITANIUM NITRIDES**

GS NITROGEN COMPOUNDS  
 . NITRIDES  
 . . METAL NITRIDES

**TITANIUM NITRIDES-(CONT.)**

... **TITANIUM NITRIDES**  
 TITANIUM COMPOUNDS  
 . **TITANIUM NITRIDES**  
 RT CERAMIC MATRIX COMPOSITES

**TITANIUM OXIDES**

UF TITANIUM DIOXIDE  
 GS CHALCOGENIDES  
 . OXIDES  
 . . METAL OXIDES  
 . . . **TITANIUM OXIDES**  
 . . . ANATASE  
 . . . ILMENITE  
 . . . RUTILE  
 TITANIUM COMPOUNDS  
 . **TITANIUM OXIDES**  
 . . ANATASE  
 . . ILMENITE  
 . . RUTILE  
 RT DIOXIDES

**TITRATION**

GS CHEMICAL REACTIONS  
 . **TITRATION**  
 RT ACIDITY  
 COULOMETERS  
 IODIMETRY  
 ION CONCENTRATION  
 KJELDAHL METHOD  
 SOLUTIONS

**TITRIMETERS**

GS MEASURING INSTRUMENTS  
 . **TITRIMETERS**  
 RT CHEMICAL ANALYSIS

**TNT (TRINITROTOLUENE)**

USE TRINITROTOLUENE

**TOBACCO**

GS PLANTS (BOTANY)  
 . **TOBACCO**  
 RT NICOTINE

**TOCOPHEROL**

UF VITAMIN E  
 GS ORGANIC COMPOUNDS  
 . CYCLIC COMPOUNDS  
 . . HETEROCYCLIC COMPOUNDS  
 . . . **TOCOPHEROL**  
 . LIPIDS  
 . . **TOCOPHEROL**  
 VITAMINS  
 . **TOCOPHEROL**

**TOGO**

GS NATIONS  
 . **TOGO**  
 RT AFRICA

**TOILETS**

RT HUMAN WASTES  
 SANITATION  
 SPACECREWS  
 WASTE DISPOSAL

**TOKAMAK DEVICES**

GS NUCLEAR REACTORS  
 . **TOKAMAK DEVICES**  
 . . JOINT EUROPEAN TORUS  
 PLASMA GENERATORS  
 . **TOKAMAK DEVICES**  
 . . JOINT EUROPEAN TORUS  
 RT BEAM INJECTION  
 BETA FACTOR  
 BUMPY TORUSES  
 ∞ ELECTRIC POWER  
 LIMITERS (FUSION REACTORS)  
 NUCLEAR FUSION  
 PLASMA COMPRESSION  
 PLASMA CONTROL  
 PLASMA PHYSICS  
 POLOIDAL FLUX  
 ∞ REACTORS  
 SPHEROMAKS

**TOLERANCES (MECHANICS)**

GS **TOLERANCES (MECHANICS)**  
 . IMPACT TOLERANCES  
 ACCEPTABILITY  
 ACCURACY  
 ALLOWANCES  
 CLEARANCES  
 RT

**TOLERANCES (MECHANICS)-(CONT.)**

CONSISTENCY  
 DIMENSIONAL STABILITY  
 DRIFT (INSTRUMENTATION)  
 ERRORS  
 HYSTERESIS  
 INSPECTION  
 LINEARITY  
 MECHANICAL PROPERTIES  
 NONDESTRUCTIVE TESTS  
 PRECISION  
 QUALITY CONTROL  
 RADIATION TOLERANCE  
 RANGE (EXTREMES)  
 RELIABILITY  
 RESOLUTION  
 SENSITIVITY  
 SPECIFICATIONS  
 STABILITY  
 STANDARDS

**TOLERANCES (PHYSIOLOGY)**

GS **TOLERANCES (PHYSIOLOGY)**  
 . ACCELERATION TOLERANCE  
 . ALTITUDE TOLERANCE  
 . COLD TOLERANCE  
 . HEAT TOLERANCE  
 . HUMAN TOLERANCES  
 . RADIATION TOLERANCE  
 RT ACCLIMATIZATION  
 BARANY CHAIR  
 BIOCONTROL SYSTEMS  
 IMPACT RESISTANCE  
 NOISE TOLERANCE  
 ORTHOSTATIC TOLERANCE  
 RANGE (EXTREMES)  
 ∞ RESISTANCE

**TOLLMEIN-SCHLICHTING WAVES**

GS ELASTIC WAVES  
 . **TOLLMEIN-SCHLICHTING WAVES**  
 RT BLASIUS FLOW  
 BOUNDARY LAYER FLOW  
 BOUNDARY LAYER TRANSITION  
 LAMINAR FLOW  
 TURBULENT FLOW

**TOLUENE**

GS ORGANIC COMPOUNDS  
 . HYDROCARBONS  
 . . **TOLUENE**  
 RT SOLVENTS  
 XYLENE

**TOMAHAWK MISSILES**

GS MISSILES  
 . SURFACE TO SURFACE MISSILES  
 . . CRUISE MISSILES  
 . . . **TOMAHAWK MISSILES**  
 RT WEAPONS

**TOMBOLOS**

USE BARS (LANDFORMS)

**TOMOGRAPHY**

UF PLANIGRAPHY  
 GS IMAGERY  
 . RADIOGRAPHY  
 . . **TOMOGRAPHY**  
 . . . COMPUTER AIDED TOMOGRAPHY  
 RT COMPUTER GRAPHICS  
 IMAGE ENHANCEMENT  
 OPTICAL DATA PROCESSING  
 X RAY ANALYSIS

**TOPE**

USE PITCH

**TONGUE**

GS ANATOMY  
 . DIGESTIVE SYSTEM  
 . . **TONGUE**  
 RT MOUTH  
 VOICE

**TONK METEORITE**

GS CELESTIAL BODIES  
 . METEORITES  
 . . STONY METEORITES  
 . . . CHONDRITES  
 . . . . CARBONACEOUS METEORITES  
 . . . . . **TONK METEORITE**

## TONOMETRY

### TONOMETRY

USE INTRAOCULAR PRESSURE  
PRESSURE MEASUREMENT

### TONUS

USE MUSCULAR TONUS

### TOOLING

RT  $\infty$  AUTOMATION  
MACHINING  
MECHANIZATION  
SETUPS  
TOOLS

### TOOLS

GS **TOOLS**  
. DRILL BITS  
. FILES (TOOLS)  
. MACHINE TOOLS  
. BORING MACHINES  
. GRINDING MACHINES  
. LATHES  
. . . TURRET LATHES  
. MILLING MACHINES  
. SHAPERS  
. SAWS  
. SHEARS  
. SPACE TOOLS  
. WRENCHES  
RT ANTIQUITIES  
ANVILS  
CUTTERS  
DRILLS  
FIXTURES  
HAMMERS  
HARDWARE  
JIGS  
KITS  
 $\infty$  MACHINERY  
MECHANICAL DEVICES  
MECHANIZATION  
PLATENS  
PRESSES  
 $\infty$  PRODUCTION  
TAPS  
TOOLING  
ULTRASONIC CLEANING

### TOOTH DISEASES

UF AERODONTALGIA  
GS DISEASES  
. **TOOTH DISEASES**  
MEDICAL SCIENCE  
. **TOOTH DISEASES**  
RT CAVITIES  
DENTAL CALCULI  
DENTISTRY  
ORAL HYGIENE  
TEETH

### TOPEX

RT GULF STREAM  
MARITIME SATELLITES  
OCEAN CURRENTS  
OCEAN SURFACE  
OCEANOGRAPHY  
SATELLITE OBSERVATION  
SEA STATES  
TOPOGRAPHY

### TOPOGRAPHY

UF LANDSCAPE  
GS **TOPOGRAPHY**  
. LUNAR TOPOGRAPHY  
. TERRAIN  
RT ALTIMETRY  
BADLANDS  
BARREN LAND  
BEACHES  
CLIFFS  
CONTOUR SENSORS  
CONTOURS  
CUSPS (LANDFORMS)  
 $\infty$  DEPRESSION  
DESERTLINE  
DESERTS  
DUNES  
EARTH SURFACE  
ELEVATION  
ELEVATION ANGLE  
ESCARPMENTS  
GEODESY  
GEODETIC SURVEYS  
GEOMORPHOLOGY  
GEOPHYSICS

### TOPOGRAPHY-(CONT.)

GULFS  
HIGHLANDS  
HYPSONOGRAPHY  
ISTHMUSES  
JUPITER RED SPOT  
LAGOONS  
LAND  
LANDFORMS  
LANDMARKS  
LEDGES  
MAPPING  
MARIA  
MARS SURFACE  
MEANDERS  
MUSKEGS  
OCEANOGRAPHY  
PEAKS (LANDFORMS)  
PENEPLAINS  
PHOTOMAPPING  
PLAINS  
PLANETARY SURFACES  
 $\infty$  PROFILES  
RAVINES  
RELIEF MAPS  
SATELLITE ALTIMETRY  
SHALLOW WATER  
SLOPES  
STAIRSTEPS  
SURFACE ROUGHNESS  
TOPEX  
VALLEYS  
VENUS SURFACE  
WADIS

### TOPOLOGY

GS GEOMETRY  
. **TOPOLOGY**  
. . . FIXED POINTS (MATHEMATICS)  
. . . HOMOTOPY THEORY  
. . . IMBEDDINGS (MATHEMATICS)  
. . . INVARIANT IMBEDDINGS  
. . . LINKS (MATHEMATICS)  
. . . METRIC SPACE  
RT CATASTROPHE THEORY  
 $\infty$  CELLS  
CONTINUITY  
CONTINUITY (MATHEMATICS)  
CONTINUUMS  
DEFORMATION  
DIMENSIONS  
FAULT TREES  
FIBERS (MATHEMATICS)  
GRAPH THEORY  
HOMOLOGY  
HOMOTROPY  
INTERVALS  
ISOPERIMETRIC PROBLEM  
MANIFOLDS (MATHEMATICS)  
MAPPING  
NETWORK SYNTHESIS  
 $\infty$  NETWORKS  
SHAPES  
SWITCHING THEORY  
TORUSES  
TREES (MATHEMATICS)

### TOPPING CYCLE ENGINES

RT AIRCRAFT ENGINES  
LIQUID HYDROGEN  
PROPULSION SYSTEM CONFIGURATIONS

### TOPS (SPACECRAFT)

UF THERMOELECTRIC OUTER PLANET  
SPACECRAFT  
GS THERMOELECTRIC SPACECRAFT  
INTERPLANETARY SPACECRAFT  
. **TOPS (SPACECRAFT)**  
RT FLYBY MISSIONS  
INTERPLANETARY FLIGHT  
OUTER PLANETS EXPLORERS  
SPACE EXPLORATION  
SPACE MISSIONS  
 $\infty$  SPACECRAFT

### TORCHES

RT CUTTING  
PYROGEN  
WELDING  
WELDING MACHINES

### TORNADO AIRCRAFT

USE MRCA AIRCRAFT

### TORNADOES

GS STORMS  
. STORMS (METEOROLOGY)  
. . . **TORNADOES**  
RT ATMOSPHERIC CIRCULATION  
COLD FRONTS  
CUMULONIMBUS CLOUDS  
CYCLONES  
FRONTS (METEOROLOGY)  
GROUND WIND  
HURRICANES  
NATIONAL SEVERE STORMS PROJECT  
RAINSTORMS  
STORM DAMAGE  
TROPICAL STORMS  
TYPHOONS  
WARM FRONTS  
WIND (METEOROLOGY)

### TORO ASTEROID

GS CELESTIAL BODIES  
. ASTEROID BELTS  
. . . ASTEROIDS  
. . . . **TORO ASTEROID**  
RT METEORIODS  
SOLAR SYSTEM  
SPACE DEBRIS

### TOROIDAL DISCHARGE

GS ELECTRIC CURRENT  
. ELECTRIC DISCHARGES  
. . . TOWNSEND DISCHARGE  
. . . GAS DISCHARGES  
. . . . **TOROIDAL DISCHARGE**  
. . . . . RING DISCHARGE  
RT ELECTRODELESS DISCHARGES  
HIGH FREQUENCIES  
PLASMA JETS  
SPECTRUM ANALYSIS

### TOROIDAL PLASMAS

UF PLASMA RINGS  
GS PARTICLES  
. CHARGED PARTICLES  
. . . ENERGETIC PARTICLES  
. . . PLASMAS (PHYSICS)  
. . . . **TOROIDAL PLASMAS**  
RT BEAM INJECTION  
BETA FACTOR  
BUMPY TORUSES  
ELLIPTICAL PLASMAS  
LIMITERS (FUSION REACTORS)  
PLASMA CONTROL  
PLASMA CURRENTS  
POLOIDAL FLUX  
REVERSE FIELD PINCH  
 $\infty$  RINGS  
ROTATING PLASMAS  
SOLENOIDS  
SPHEROMAKS  
STELLARATORS

### TOROIDAL SHELLS

GS SHELLS (STRUCTURAL FORMS)  
. **TOROIDAL SHELLS**  
RT METAL SHELLS  
REINFORCED SHELLS  
SKIN (STRUCTURAL MEMBER)  
THIN WALLED SHELLS  
TORIODS

### TOROIDAL WHEELS

UF DOUGHNUT SHAPE WHEELS  
GS WHEELS  
. **TOROIDAL WHEELS**  
RT ROVING VEHICLES  
SUSPENSION SYSTEMS (VEHICLES)  
TIRES  
VEHICLE WHEELS

### TORIODS

RT  $\infty$  COILS  
 $\infty$  CURVES  
GEOMETRY  
INDUCTORS  
ION IMPACT  
MAGNET COILS  
MAGNETIC CORES  
TOROIDAL SHELLS  
TRANSFORMERS

### TORPEDO ENGINES

GS ENGINES  
. **TORPEDO ENGINES**  
. . . TURBOROCKET ENGINES

## TOWED BODIES

### TORPEDO ENGINES-(CONT.)

... ULLAGE ROCKET ENGINES  
... VERNIER ENGINES  
... CONTROL ROCKETS  
... SYNCOM APOGEE ENGINES  
RT INTERNAL COMBUSTION ENGINES  
ROCKET PROPELLANTS  
TURBINE ENGINES  
UNDERWATER PROPULSION

### TORPEDOES

UF RETORC (TORPEDOES)  
GS EXPLOSIVE DEVICES  
... **TORPEDOES**  
RT AMMUNITION  
ANTISUBMARINE WARFARE  
ASROC ENGINE  
BOMBS (ORDNANCE)  
... CONFIGURATIONS  
... COUNTERMEASURES  
EXPLOSIVES  
HYDROBALLISTICS  
MISSILES  
NUCLEAR WEAPONS  
PROPELLANTS  
... ROCKETS  
... SEA LAUNCHING  
SHAPED CHARGES  
SUBMERGED BODIES  
UNDERWATER TRAJECTORIES  
WARHEADS  
WEAPONS

### TORQUE

UF HINGE MOMENTS  
GS MOMENTS  
... **TORQUE**  
RT BENDING MOMENTS  
... FORCE  
LOADING MOMENTS  
MOMENTS OF INERTIA  
PITCHING MOMENTS  
ROLLING MOMENTS  
ROTATION  
SHAFTS (MACHINE ELEMENTS)  
TORQUEMETERS  
TORSION  
TORSIONAL STRESS  
TORSIONAL VIBRATION  
TWISTING  
YAWING MOMENTS

### TORQUE CONVERTERS

RT ... CONVERTERS  
POWER CONVERTERS  
TRANSMISSIONS (MACHINE ELEMENTS)

### TORQUE MEASURING APPARATUS

USE TORQUEMETERS

### TORQUE MOTORS

GS MOTORS  
... ELECTRIC MOTORS  
... **TORQUE MOTORS**  
RT ACTUATORS  
SERVOMOTORS  
TRANSMISSIONS (MACHINE ELEMENTS)

### TORQUEMETERS

UF TORQUE MEASURING APPARATUS  
GS MEASURING INSTRUMENTS  
... **TORQUEMETERS**  
RT DYNAMOMETERS  
MECHANICAL MEASUREMENT  
TORQUE

### TORQUERS

GS TRANSDUCERS  
... **TORQUERS**  
RT DEGREES OF FREEDOM  
GYROSCOPES  
SEA KEEPING

### TORRES STRAIT

GS PASSAGEWAYS  
... STRAITS  
... **TORRES STRAIT**  
RT AUSTRALIA  
NEW GUINEA (ISLAND)

### TORSION

RT BUCKLING  
DEFLECTION  
DEFORMATION

### TORSION-(CONT.)

... FORCE  
... MOMENTS  
TEMPERATURE INVERSIONS  
TORQUE  
TORSIONAL STRESS  
TORSIONAL VIBRATION  
TWISTING

### TORSIONAL STRESS

GS STRESSES  
... SHEAR STRESS  
... **TORSIONAL STRESS**  
RT TORQUE  
TORSION

### TORSIONAL VIBRATION

GS VIBRATION  
... STRUCTURAL VIBRATION  
... **TORSIONAL VIBRATION**  
RT MISSILE VIBRATION  
RANDOM VIBRATION  
SELF INDUCED VIBRATION  
SHEAR STRAIN  
TORQUE  
TORSION  
TWISTING

### TORSO

GS ANATOMY  
... **TORSO**  
RT CHEST

### TORUSES

GS GEOMETRY  
... EUCLIDEAN GEOMETRY  
... ANALYTIC GEOMETRY  
... **TORUSES**  
SYMMETRICAL BODIES  
... BODIES OF REVOLUTION  
... **TORUSES**  
RT DESCRIPTIVE GEOMETRY  
LOOPS  
... RINGS  
TOPOLOGY

### TORY 2 REACTOR

GS NUCLEAR ELECTRIC POWER  
GENERATION  
... NUCLEAR POWER REACTORS  
... **TORY 2 REACTOR**  
NUCLEAR REACTORS  
... GAS COOLED REACTORS  
... **TORY 2 REACTOR**  
... NUCLEAR POWER REACTORS  
... **TORY 2 REACTOR**  
... NUCLEAR RESEARCH AND TEST  
REACTORS  
... **TORY 2 REACTOR**

### TORY 2-A REACTOR

GS NUCLEAR ELECTRIC POWER  
GENERATION  
... NUCLEAR POWER REACTORS  
... **TORY 2-A REACTOR**  
NUCLEAR REACTORS  
... GAS COOLED REACTORS  
... **TORY 2-A REACTOR**  
... NUCLEAR POWER REACTORS  
... **TORY 2-A REACTOR**  
... NUCLEAR RESEARCH AND TEST  
REACTORS  
... **TORY 2-A REACTOR**

### TORY 2-C REACTOR

GS NUCLEAR ELECTRIC POWER  
GENERATION  
... NUCLEAR POWER REACTORS  
... **TORY 2-C REACTOR**  
NUCLEAR REACTORS  
... GAS COOLED REACTORS  
... **TORY 2-C REACTOR**  
... NUCLEAR POWER REACTORS  
... **TORY 2-C REACTOR**  
... NUCLEAR RESEARCH AND TEST  
REACTORS  
... **TORY 2-C REACTOR**

### TOS-A

USE ESSA 3 SATELLITE

### TOTAL ENERGY SYSTEMS

GS **TOTAL ENERGY SYSTEMS**  
... SOLAR TOTAL ENERGY SYSTEMS

### TOTAL ENERGY SYSTEMS-(CONT.)

RT INTEGRATED ENERGY SYSTEMS  
PHOSPHORIC ACID FUEL CELLS  
... SYSTEMS

### TOUCH

UF CUTANEOUS PERCEPTION  
TACTILE SENSATION  
GS PERCEPTION  
... SENSORY PERCEPTION  
... **TOUCH**  
... TACTILE DISCRIMINATION  
RT ELECTROCATANEOUS COMMUNICATION  
SKIN (ANATOMY)

### TOUCHDOWN

GS LANDING  
... **TOUCHDOWN**  
RT AIRCRAFT LANDING  
APPROACH  
APPROACH AND LANDING TESTS (STS)  
DOWNRANGE  
SPACECRAFT LANDING  
VERTICAL LANDING  
VERTICAL MOTION  
WATER LANDING

### TOUGHNESS

GS MECHANICAL PROPERTIES  
... **TOUGHNESS**  
... NOTCH SENSITIVITY  
RT ABRASION RESISTANCE  
BRITTLENESS  
COMPRESSIVE STRENGTH  
CRACK INITIATION  
DUCTILITY  
FRACTURE STRENGTH  
HARDNESS  
IMPACT TESTS  
J INTEGRAL  
SHEAR PROPERTIES  
TENSILE STRENGTH  
WEAR RESISTANCE

### TOURMALINE

GS ALUMINUM COMPOUNDS  
... **TOURMALINE**  
BORON COMPOUNDS  
... **TOURMALINE**  
MINERALS  
... **TOURMALINE**  
SILICON COMPOUNDS  
... SILICATES  
... SODIUM SILICATES  
... **TOURMALINE**  
SODIUM COMPOUNDS  
... SODIUM SILICATES  
... **TOURMALINE**  
RT IGNEOUS ROCKS

### TOURNESOLE SATELLITE

USE D-2 SATELLITES

### TOURNIQUETS

GS MEDICAL EQUIPMENT  
... **TOURNIQUETS**  
RT BLOOD CIRCULATION  
BLOOD FLOW  
FIRST AID

### TOW MISSILES

GS MISSILES  
... SURFACE TO SURFACE MISSILES  
... ANTITANK MISSILES  
... **TOW MISSILES**

### TOWED BODIES

UF DROGUES  
TOWED TARGETS  
RT AIRCRAFT BRAKES  
... BODIES  
BRAKES (FOR ARRESTING MOTION)  
DRAG CHUTES  
GLIDERS  
LIFTING BODIES  
PARACHUTES  
SLEDS  
STREAMLINED BODIES  
SUBMERGED BODIES  
TEST VEHICLES  
TOWING  
TRAILERS



## TOWED TARGETS

### TOWED TARGETS

USE TARGETS  
TOWED BODIES

### TOWER SHIELDING REACTOR 2

GS NUCLEAR REACTORS  
NUCLEAR RESEARCH AND TEST  
REACTORS  
TOWER SHIELDING REACTOR 2  
RT RADIATION SHIELDING

### TOWERS

GS TOWERS  
AIRPORT TOWERS  
UMBILICAL TOWERS  
RT AIR TRAFFIC CONTROL  
ANTENNAS  
BRIDGES (STRUCTURES)  
COLUMNS (SUPPORTS)  
CONCRETE STRUCTURES  
CONSTRUCTION INDUSTRY  
CRANES  
PYLONS  
STRUCTURES  
TANKS (CONTAINERS)

### TOWING

RT CABLES (ROPES)  
TOWED BODIES  
TRACTORS  
TRAILERS

### TOWNSEND AVALANCHE

UF TOWNSEND SURFACES  
GS AVALANCHES  
TOWNSEND AVALANCHE  
RT ELECTROMAGNETIC ABSORPTION  
ELECTRON AVALANCHE  
ION IMPACT  
SECONDARY EMISSION  
SURFACES

### TOWNSEND DISCHARGE

GS ELECTRIC CURRENT  
ELECTRIC DISCHARGES  
TOWNSEND DISCHARGE  
GAS DISCHARGES  
TOROIDAL DISCHARGE  
RING DISCHARGE  
RT ELECTRODELESS DISCHARGES  
ION IMPACT

### TOWNSEND SURFACES

USE TOWNSEND AVALANCHE

### TOXIC DISEASES

UF POISONING (TOXICOLOGY)  
GS DISEASES  
TOXIC DISEASES  
CARBON MONOXIDE POISONING  
LEAD POISONING  
RT CLOSTRIDIUM BOTULINUM  
DIPHTHERIA  
HYPEROXIA  
POISONING  
TOXICITY  
TOXICOLOGY

### TOXIC HAZARDS

GS HAZARDS  
TOXIC HAZARDS  
RT AIRCRAFT HAZARDS  
FLIGHT HAZARDS  
OCCUPATIONAL DISEASES  
POISONING  
TOXICITY

### TOXICITY

GS TOXICITY  
CARBON MONOXIDE POISONING  
LEAD POISONING  
RT ACIDOSIS  
ALKALOSIS  
CHEMICAL PROPERTIES  
ENDANGERED SPECIES  
HERBICIDES  
HYPEROXIA  
POISONS  
TOXIC DISEASES  
TOXIC HAZARDS  
TOXICOLOGY  
TOXINS AND ANTITOXINS  
VIRULENCE

### TOXICITY AND SAFETY HAZARD

GS IRRITATION  
TOXICITY AND SAFETY HAZARD  
RT ACROLEINS  
BENZENE POISONING  
BERYLLIUM POISONING  
CARBON TETRACHLORIDE POISONING  
CHEMICAL PROPERTIES  
HAZARDOUS MATERIAL DISPOSAL (IN  
SPACE)  
HYDROCARBON POISONING  
INTOXICATION

### TOXICOLOGY

RT BENZENE POISONING  
BERYLLIUM POISONING  
CARBON TETRACHLORIDE POISONING  
CURARE  
ENDOTOXINS  
FUNGICIDES  
HAZARDS  
HEMOPERFUSION  
HYDROCARBON POISONING  
INSECTICIDES  
INTOXICATION  
NONPOINT SOURCES  
PESTICIDES  
POLLUTION  
RED TIDE  
TOXIC DISEASES  
TOXICITY  
VACCINES

### TOXINS AND ANTITOXINS

GS TOXINS AND ANTITOXINS  
ENDOTOXINS  
POLYBROMINATED BIPHENYLS  
RT IMMUNITY  
TOXICITY  
VACCINES

### TRAAC SATELLITE

USE TRANSIT ATTITUDE CONTROL  
SATELLITE

### TRACE CONTAMINANTS

GS CONTAMINANTS  
TRACE CONTAMINANTS  
RT CHEMICAL ELEMENTS  
IMPURITIES  
POLLUTION TRANSPORT  
PURITY  
TRACING

### TRACE ELEMENTS

RT ISOTOPIC LABELING  
NUTRIENTS  
PARTICLE TRACKS  
TRACERS  
TRACING

### TRACERS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT AMMUNITION  
ISOTOPIC LABELING  
MARKING  
TRACE ELEMENTS

### TRACHEA

GS ANATOMY  
RESPIRATORY SYSTEM  
TRACHEA  
RT BRONCHI  
TUBES

### TRACHYTE

GS ROCKS  
IGNEOUS ROCKS  
TRACHYTE  
RT SOILS  
SYENITE

### TRACING

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT DRAWINGS  
TRACE CONTAMINANTS  
TRACE ELEMENTS

### TRACKED VEHICLES

GS SURFACE VEHICLES

### TRACKED VEHICLES-(CONT.)

MOTOR VEHICLES  
TRACTORS  
TRACKED VEHICLES  
RT CRAWLER TRACTORS  
VEHICLES  
VEHICULAR TRACKS

### TRACKING (POSITION)

UF TRACKING STUDIES  
GS TRACKING (POSITION)  
COMPENSATORY TRACKING  
INFRARED TRACKING  
MISSILE TRACKING  
OPTICAL TRACKING  
PHOTOGRAPHIC TRACKING  
POLYSTATION DOPPLER TRACKING  
SYSTEM  
PURSUIT TRACKING  
RADAR TRACKING  
RADIO TRACKING  
WILDLIFE RADIOLOCATION  
RANGE AND RANGE RATE TRACKING  
SPACE DETECTION AND TRACKING  
SYSTEM  
SPACECRAFT TRACKING  
SATELLITE TRACKING  
SATELLITE-TO-SATELLITE TRACKING  
STAR TRACKERS  
CCD STAR TRACKER  
VIDEO LANDMARK ACQUISITION AND  
TRACKING  
RT AIR TRAFFIC CONTROL  
AIRCRAFT DETECTION  
APPROACH CONTROL  
DETECTION  
IDENTIFYING  
INSTRUMENT LANDING SYSTEMS  
LASER RANGER/TRACKER  
MULTISPECTRAL TRACKING  
TELESCOPES  
POSITION (LOCATION)  
RANGEFINDING  
RAY TRACING  
SATELLITE DOPPLER POSITIONING  
SOLAR SENSORS  
SOUND LOCALIZATION  
SOUND RANGING  
TRACKING PROBLEM  
TRACKS

### TRACKING AND DATA RELAY SATELLITES

USE TDR SATELLITES

### TRACKING ANTENNAS

USE DIRECTIONAL ANTENNAS

### TRACKING FILTERS

GS ELECTROMAGNETIC WAVE FILTERS  
BANDPASS FILTERS  
TRACKING FILTERS  
ELECTRIC FILTERS  
TRACKING FILTERS  
RT ADAPTIVE FILTERS  
BANDSTOP FILTERS  
BANDWIDTH  
PHASE LOCKED SYSTEMS  
VIDEO LANDMARK ACQUISITION AND  
TRACKING

### TRACKING NETWORKS

GS TRACKING NETWORKS  
DEEP SPACE NETWORK  
GLOBAL TRACKING NETWORK  
MANNED SPACE FLIGHT NETWORK  
MATTS (SYSTEMS)  
POLYSTATION DOPPLER TRACKING  
SYSTEM  
RADAR NETWORKS  
SPACE DETECTION AND TRACKING  
SYSTEM  
SPACE FLIGHT TRACKING AND DATA  
NETWORK  
STDN (NETWORK)  
RT ADVANCED RANGE INSTRUMENTATION  
SHIP  
DATA ACQUISITION  
GROUND SUPPORT EQUIPMENT  
MINITRACK SYSTEM  
MISSILE TRACKING  
NETWORKS  
ORION (RADIO INTERFEROMETRY  
NETWORK)  
SATELLITE TRACKING  
SATELLITE-TO-SATELLITE TRACKING

## TRAINING DEVICES

### TRACKING NETWORKS-(CONT.)

SPACECRAFT TRACKING

#### TRACKING PROBLEM

RT AUTOMATIC CONTROL  
CONTROL THEORY  
FEEDBACK CONTROL  
LINEAR SYSTEMS  
NONLINEAR SYSTEMS  
OPTIMAL CONTROL  
OUTPUT  
∞ PROBLEMS  
TRACKING (POSITION)  
TRAJECTORY CONTROL  
TRAJECTORY OPTIMIZATION

#### TRACKING RADAR

GS RADAR  
... **TRACKING RADAR**  
... COBRA DANE (RADAR)  
RT COHERENT RADAR  
CONTINUOUS WAVE RADAR  
DIGITAL RADAR SYSTEMS  
MONOPULSE RADAR  
PULSE RADAR  
RADAR TRACKING  
SATELLITE-BORNE RADAR  
SEARCH RADAR  
SURVEILLANCE RADAR  
TRADEX RADAR SYSTEM  
TRAJECTORY MEASUREMENT

#### TRACKING STATIONS

GS STATIONS  
... **TRACKING STATIONS**  
... DEEP SPACE INSTRUMENTATION  
FACILITY  
... GLOBAL TRACKING NETWORK  
... POLYSTATION DOPPLER TRACKING  
SYSTEM  
... SPACE DETECTION AND TRACKING  
SYSTEM  
... STDN (NETWORK)  
RT ∞ FENCES  
GROUND STATIONS  
GROUND SUPPORT EQUIPMENT  
JODRELL BANK OBSERVATORY  
∞ MARS  
MINITRACK SYSTEM  
MISSILE TRACKING  
RADAR NETWORKS  
SATELLITE TRACKING  
SPACE FLIGHT TRACKING AND DATA  
NETWORK  
SPACECRAFT TRACKING

#### TRACKING STUDIES

USE TRACKING (POSITION)

#### ∞ TRACKS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
UF TRAILS  
RT CONVEYORS  
GROUND TRACKS  
METEOR TRAILS  
MINITRACK SYSTEM  
PARTICLE TRACKS  
PARTICLE TRAJECTORIES  
SMOKE TRAILS  
TRACKING (POSITION)  
VEHICULAR TRACKS

#### TRACTION

RT ADHESION  
FRICTION  
PULLING

#### TRACTORS

GS SURFACE VEHICLES  
... MOTOR VEHICLES  
... **TRACTORS**  
... CRAWLER TRACTORS  
... TRACKED VEHICLES  
RT AGRICULTURE  
ELECTRIC MOTOR VEHICLES  
GROUND HANDLING  
HANDLING EQUIPMENT  
MATERIALS HANDLING  
PLANTING  
PLOWING  
SLEDS  
TOWING  
TRANSPORTATION

### TRACTORS-(CONT.)

TRUCKS  
∞ VEHICLES

#### TRACTS

USE SITES

#### TRADEOFFS

RT DECISION MAKING  
MANAGEMENT ANALYSIS  
MANAGEMENT PLANNING

#### TRADER AIRCRAFT

USE C-1A AIRCRAFT

#### TRADESCANTIA

GS PLANTS (BOTANY)  
... **TRADESCANTIA**

#### TRADEX RADAR SYSTEM

GS RADAR  
... **TRADEX RADAR SYSTEM**  
RT SEARCH RADAR  
∞ SYSTEMS  
TARGET RECOGNITION  
TRACKING RADAR

#### TRAFFIC

GS **TRAFFIC**  
... AIR TRAFFIC  
ACCIDENTS  
RT AVOIDANCE  
HARBORS  
TRANSPORTATION

#### TRAFFIC CONTROL

GS **TRAFFIC CONTROL**  
... AIR TRAFFIC CONTROL  
... AUTOMATED EN ROUTE ATC  
... RADAR APPROACH CONTROL  
RT AIR TRAFFIC CONTROLLERS  
(PERSONNEL)  
AIRPORT TOWERS  
APPROACH CONTROL  
AVOIDANCE  
COLLISION AVOIDANCE  
∞ CONTROL  
GROUND BASED CONTROL  
NATIONAL AVIATION SYSTEM

#### TRAGACANTH

GS PLANTS (BOTANY)  
... **TRAGACANTH**

#### TRAILBLAZER 1 REENTRY VEHICLE

UF TRAILBLAZER 1 ROCKET VEHICLE  
GS REENTRY VEHICLES  
... **TRAILBLAZER 1 REENTRY VEHICLE**  
RT HONEST JOHN ROCKET VEHICLE  
LANCE MISSILE  
MULTISTAGE ROCKET VEHICLES  
NIKE-AJAX MISSILE  
ROCKET VEHICLES  
SOLID PROPELLANT ROCKET ENGINES

#### TRAILBLAZER 1 ROCKET VEHICLE

USE TRAILBLAZER 1 REENTRY VEHICLE

#### TRAILBLAZER 2 REENTRY VEHICLE

UF TRAILBLAZER 2 ROCKET VEHICLE  
GS REENTRY VEHICLES  
... **TRAILBLAZER 2 REENTRY VEHICLE**  
RT MULTISTAGE ROCKET VEHICLES  
ROCKET VEHICLES  
SOLID PROPELLANT ROCKET ENGINES  
TX-354 ENGINE

#### TRAILBLAZER 2 ROCKET VEHICLE

USE TRAILBLAZER 2 REENTRY VEHICLE

#### TRAILERS

RT AUTOMOBILES  
COUPLINGS  
SLEDS  
TANK TRUCKS  
TOWED BODIES  
TOWING  
TRUCKS

#### TRAILING EDGE FLAPS

UF VARIABLE AREA WINGS  
GS AIRFOILS  
... FLAPS (CONTROL SURFACES)  
... WING FLAPS

### TRAILING EDGE FLAPS-(CONT.)

... **TRAILING EDGE FLAPS**  
BRAKES (FOR ARRESTING MOTION)  
AERODYNAMIC BRAKES  
... WING FLAPS  
... **TRAILING EDGE FLAPS**  
AIRCRAFT BRAKES  
... WING FLAPS  
... **TRAILING EDGE FLAPS**  
CONTROL SURFACES  
FLAPS (CONTROL SURFACES)  
... WING FLAPS  
... **TRAILING EDGE FLAPS**  
DRAG DEVICES  
AERODYNAMIC BRAKES  
... WING FLAPS  
... **TRAILING EDGE FLAPS**  
RT JET FLAPS  
LEADING EDGE SLATS  
SPLIT FLAPS  
VORTEX FLAPS

#### TRAILING EDGES

GS EDGES  
... **TRAILING EDGES**  
... BLUNT TRAILING EDGES  
RT AIRFOILS  
BLUNT LEADING EDGES  
LEADING EDGES  
SHARP LEADING EDGES  
VORTEX FLAPS

#### TRAILS

USE TRACKS

#### TRAINEES

USE STUDENTS

#### TRAINERS

USE TRAINING DEVICES

#### TRAINING

USE EDUCATION

#### TRAINING AIRCRAFT

GS **TRAINING AIRCRAFT**  
... ALPHA JET AIRCRAFT  
... CL-41 AIRCRAFT  
... DH 115 AIRCRAFT  
... G-91 AIRCRAFT  
... JAGUAR AIRCRAFT  
... JET PROVOST AIRCRAFT  
... L-29 JET TRAINER  
... T-2 AIRCRAFT  
... T-28 AIRCRAFT  
... T-33 AIRCRAFT  
... T-37 AIRCRAFT  
... T-38 AIRCRAFT  
... T-39 AIRCRAFT  
... TS-11 AIRCRAFT  
RT ∞ AIRCRAFT  
BOMBER AIRCRAFT  
FIGHTER AIRCRAFT  
GENERAL AVIATION AIRCRAFT  
JET AIRCRAFT  
LIGHT AIRCRAFT  
∞ MILITARY AIRCRAFT  
∞ SUBSONIC AIRCRAFT

#### TRAINING ANALYSIS

RT ∞ ANALYZING  
∞ DEVELOPMENT  
EDUCATION  
HANDBOOKS  
LEARNING  
PERSONNEL DEVELOPMENT  
PLANNING  
RETRAINING

#### TRAINING DEVICES

UF AUDIO VISUAL EQUIPMENT  
TRAINERS  
GS **TRAINING DEVICES**  
... TEACHING MACHINES  
RT ALTITUDE SIMULATION  
CHILD DEVICE  
COCKPIT SIMULATORS  
∞ DEVICES  
EDUCATION  
EDUCATIONAL TELEVISION  
FLIGHT SIMULATORS  
ONBOARD EQUIPMENT  
SIMULATORS  
VISUAL AIDS

## TRAINING EVALUATION

### TRAINING EVALUATION

- GS EVALUATION
- RT
  - . CERTIFICATION
  - . EXAMINATION
  - . INSTRUCTORS
  - . KNOWLEDGE
  - . LEARNING
  - ∞ PERFORMANCE
  - . REVIEWING
  - . SCHOOLS
  - . STUDENTS

### TRAINING SIMULATORS

- UF SIMULATOR TRAINING
- GS SIMULATORS
  - . TRAINING SIMULATORS
  - . . . FLIGHT SIMULATORS
  - . . . COCKPIT SIMULATORS
  - . . . SPACECRAFT CABIN SIMULATORS
- RT
  - . ASTRONAUT TRAINING
  - . CENTRIFUGES
  - . CONTROL SIMULATION
  - . FLIGHT SIMULATION
  - . FLIGHT TRAINING
  - . LANDING SIMULATION
  - . LUNAR ORBIT AND LANDING SIMULATORS
  - ∞ MISSILE SIMULATORS
  - . PILOT TRAINING
  - . SPACE FLIGHT TRAINING

### TRAJECTORIES

- GS TRAJECTORIES
  - . ABORT TRAJECTORIES
  - . ASCENT TRAJECTORIES
  - . BALLISTIC TRAJECTORIES
  - . DESCENT TRAJECTORIES
  - . REENTRY TRAJECTORIES
  - . HYPERBOLIC TRAJECTORIES
  - . INTERORBITAL TRAJECTORIES
  - . MIDCOURSE TRAJECTORIES
  - . MISSILE TRAJECTORIES
  - . MOLECULAR TRAJECTORIES
  - . PARTICLE TRAJECTORIES
  - . ELECTRON TRAJECTORIES
  - . RENDEZVOUS TRAJECTORIES
  - . ROUND TRIP TRAJECTORIES
  - . CIRCUMLUNAR TRAJECTORIES
  - . SPACECRAFT TRAJECTORIES
  - . . . EARTH-VENUS TRAJECTORIES
  - . . . INTERPLANETARY TRAJECTORIES
  - . . . EARTH-MARS TRAJECTORIES
  - . . . EARTH-MERCURY TRAJECTORIES
  - . . . LUNAR TRAJECTORIES
  - . . . CIRCUMLUNAR TRAJECTORIES
  - . . . EARTH-MOON TRAJECTORIES
  - . . . MOON-EARTH TRAJECTORIES
  - . SPINNING UNGUIDED ROCKET TRAJECTORY
- RT
  - . UNDERWATER TRAJECTORIES
  - . APEXES
  - . BALLISTICS
  - ∞ CURVES
  - . DOWNRANGE
  - . EQUATIONS OF MOTION
  - ∞ FLIGHT
    - . FLIGHT MECHANICS
    - . FLIGHT OPTIMIZATION
    - . FLIGHT PATHS
    - . FLIGHT TIME
    - . GREAT CIRCLES
    - . MISSILES
    - . ORBITS
    - . ORDNANCE
    - . PARABOLIC FLIGHT
  - ∞ PATHS
    - . ROCKET FLIGHT
    - . SPACE FLIGHT
    - . TRANSFER ORBITS

### TRAJECTORY ANALYSIS

- RT
  - ∞ ANALYZING
  - . ASTRODYNAMICS
  - . BALLISTICS
  - . CAPTURE EFFECT
  - . CELESTIAL MECHANICS
  - . EQUATIONS OF MOTION
  - . GODDARD TRAJECTORY DETERMINATION SYSTEM
  - . IMPACT PREDICTION
  - . MATHEMATICAL MODELS
  - . NUMERICAL ANALYSIS
  - . ORBITAL MECHANICS
  - . PREFLIGHT ANALYSIS

### TRAJECTORY ANALYSIS-(CONT.) SYSTEMS ANALYSIS

#### TRAJECTORY CONTROL

- UF RANGE CONTROL
- GS TRAJECTORY CONTROL
  - . TRAJECTORY OPTIMIZATION
- RT ATTITUDE CONTROL
  - ∞ CONTROL
  - . DRIFT RATE
  - . GUIDANCE (MOTION)
  - . HOMING DEVICES
  - . LANDING SITES
  - . OPTIMAL CONTROL
  - . OPTIMIZATION
  - . POST BOOST PROPULSION SYSTEM
  - . RANGE SAFETY
  - . THRUST PROGRAMMING
  - . TRACKING PROBLEM

#### TRAJECTORY MEASUREMENT

- RT
  - . BALLISTIC CAMERAS
  - . BALLISTICS
  - . FLIGHT MECHANICS
  - ∞ MEASUREMENT
  - . TELEMETRY
  - . TRACKING RADAR

#### TRAJECTORY OPTIMIZATION

- GS OPTIMIZATION
  - . TRAJECTORY OPTIMIZATION
  - . TRAJECTORY CONTROL
  - . TRAJECTORY OPTIMIZATION
- RT
  - . AIRCRAFT MANEUVERS
  - . FLIGHT MECHANICS
  - . FLIGHT OPTIMIZATION
  - . GODDARD TRAJECTORY DETERMINATION SYSTEM
  - . TRACKING PROBLEM

#### TRANQUILIZERS

- GS DRUGS
  - . TRANQUILIZERS
- RT
  - . CENTRAL NERVOUS SYSTEM
  - . DEPRESSANTS
  - . HYPERTENSION
  - . SEDATIVES

#### TRANSALL C-160 AIRCRAFT

- USE C-160 AIRCRAFT

#### TRANSATMOSPHERIC VEHICLES

- RT
  - . AEROSPACE PLANES
  - . AEROSPACE VEHICLES
  - ∞ AIRCRAFT
    - . AIRCRAFT DESIGN
    - . NATIONAL AEROSPACE PLANE PROGRAM
  - ∞ SPACECRAFT
    - . SPACECRAFT DESIGN
    - . X-30 VEHICLE

#### TRANSCEIVERS

- USE TRANSMITTER RECEIVERS

#### TRANSCENDENTAL FUNCTIONS

- GS FUNCTIONS (MATHEMATICS)
  - . TRANSCENDENTAL FUNCTIONS
  - . . . EXPONENTIAL FUNCTIONS
  - . . . LOGARITHMS
  - . . . PERIODIC FUNCTIONS
  - . . . TRIGONOMETRIC FUNCTIONS
  - . . . COSINE SERIES
  - . . . SINE SERIES
  - . . . TANGENTS

#### TRANSCONDUCTANCE

- GS ELECTRICAL PROPERTIES
  - . ELECTRICAL IMPEDANCE
  - . . . ELECTRICAL RESISTANCE
  - . . . TRANSCONDUCTANCE
  - . IMPEDANCE
  - . ELECTRICAL IMPEDANCE
  - . . . ELECTRICAL RESISTANCE
  - . . . TRANSCONDUCTANCE
- RT
  - ∞ CONDUCTIVITY
  - . ELECTRIC POTENTIAL
  - . ELECTRODES
  - . ELECTRON TUBES
  - . LINEAR CIRCUITS
  - . LOW CONDUCTIVITY
  - ∞ LOW RESISTANCE
  - . OHMMETERS
  - . OHMS LAW

### TRANSCONDUCTANCE-(CONT.)

- . RC CIRCUITS
- . REACTANCE
- ∞ RESISTANCE
- . RL CIRCUITS
- . RLC CIRCUITS
- . SOLID ELECTRODES
- . VOLT-AMPERE CHARACTERISTICS

### TRANSCONTINENTAL SYSTEMS

- RT CONTINENTS
  - ∞ SYSTEMS
  - . TELECOMMUNICATION
  - . TRANSPORTATION

### TRANSDUCERS

- GS TRANSDUCERS
  - . DIGITAL TRANSDUCERS
  - . ELECTRONIC TRANSDUCERS
  - . IMAGE TRANSDUCERS
  - . INTERDIGITAL TRANSDUCERS
  - . MAGNETIC TRANSDUCERS
  - . MODE TRANSFORMERS
  - . PIEZOELECTRIC TRANSDUCERS
  - . . . PIEZOELECTRIC GAGES
  - . . . PIEZORESISTIVE TRANSDUCERS
  - . . . PIEZOELECTRIC GAGES
  - . . . PRESSURE SENSORS
  - . . . BOURDON TUBES
  - . . . QUARTZ TRANSDUCERS
  - . . . SOUND TRANSDUCERS
  - . . . ELECTROACOUSTIC TRANSDUCERS
  - . . . . HYDROPHONES
  - . . . . LOUDSPEAKERS
  - . . . . MICROPHONES
  - . . . THERMOPILES
  - . . . TORQUERS
- RT
  - . ULTRASONIC WAVE TRANSDUCERS
  - . BULK ACOUSTIC WAVE DEVICES
  - . CONTROL EQUIPMENT
  - ∞ CONVERTERS
  - . DATA CONVERTERS
  - ∞ DETECTORS
  - . ENERGY CONVERSION EFFICIENCY
  - . EXTENSOMETERS
  - . FORM FACTORS
  - . INSTRUMENT RECEIVERS
  - . INSTRUMENT TRANSMITTERS
  - ∞ INSTRUMENTS
  - . MEASURING INSTRUMENTS
  - . METEOROLOGICAL INSTRUMENTS
  - . PHOTOELECTRIC CELLS
  - ∞ PROBES
  - . RECORDING INSTRUMENTS
  - . REMOTE SENSORS
  - ∞ SENSORS
  - . STRAIN GAGES
  - . TEMPERATURE MEASURING INSTRUMENTS
  - . ULTRASONIC CLEANING
  - . VIBRATION METERS

### TRANSEARTH INJECTION

- GS INJECTION
  - . TRANSEARTH INJECTION
- RT
  - . INJECTION GUIDANCE
  - . MIDCOURSE GUIDANCE
  - . ORBITAL MECHANICS
  - . TRANSFER ORBITS

### TRANSEQUATORIAL PROPAGATION

- GS TRANSMISSION
  - . ELECTROMAGNETIC WAVE TRANSMISSION
  - . . . RADIO TRANSMISSION
  - . . . TRANSEQUATORIAL PROPAGATION
  - . . . SIGNAL TRANSMISSION
  - . . . RADIO TRANSMISSION
  - . . . TRANSEQUATORIAL PROPAGATION
  - . . . WAVE PROPAGATION
  - . . . TRANSEQUATORIAL PROPAGATION
- RT
  - . EQUATORS
  - . F 2 REGION
  - ∞ PROPAGATION

### TRANSFER

- USE TRANSFERRING

### TRANSFER FUNCTIONS

- GS FUNCTIONS (MATHEMATICS)
  - . TRANSFER FUNCTIONS
  - . . . MODULATION TRANSFER FUNCTION
  - . . . OPTICAL TRANSFER FUNCTION
- RT
  - . AMPLIFICATION
  - . AUTOMATIC CONTROL

## TRANSISTOR AMPLIFIERS

### TRANSFER FUNCTIONS-(CONT.)

BANDWIDTH  
COUPLING COEFFICIENTS  
DAMPING  
DYNAMIC CHARACTERISTICS  
DYNAMIC RESPONSE  
FEEDBACK  
FEEDBACK CIRCUITS  
HIGH GAIN  
IMPEDANCE MATCHING  
LOGARITHMIC RECEIVERS  
NEGATIVE FEEDBACK  
NONLINEAR FEEDBACK  
NYQUIST DIAGRAM  
OUTPUT  
POSITIVE FEEDBACK  
SELF OSCILLATION  
SENSITIVITY  
 $\infty$  SYSTEMS  
TIME CONSTANT  
TRANSIENT RESPONSE

### TRANSFER OF TRAINING

GS LEARNING  
RT  
ABILITIES  
EDUCATION  
GENERALIZATION (PSYCHOLOGY)

### TRANSFER ORBITS

UF HOHMANN TRAJECTORIES  
HOHMANN TRANSFER ORBITS  
ORBITAL TRANSFER  
GS ORBITS  
ELLIPITICAL ORBITS  
TRANSFER ORBITS  
INTERPLANETARY TRANSFER ORBITS  
SPACECRAFT ORBITS  
TRANSFER ORBITS  
INTERPLANETARY TRANSFER ORBITS  
RT AEROASSIST  
AEROBRACING  
AEROCAPTURE  
AEROMANEUVERING  
CIRCUMLUNAR TRAJECTORIES  
EARTH ORBITAL RENDEZVOUS  
EARTH ORBITS  
EARTH-MARS TRAJECTORIES  
EARTH-MERCURY TRAJECTORIES  
EARTH-MOON TRAJECTORIES  
EARTH-VENUS TRAJECTORIES  
INTERPLANETARY TRAJECTORIES  
LUNAR ORBITS  
LUNAR TRAJECTORIES  
MOON-EARTH TRAJECTORIES  
ORBITAL LAUNCHING  
ORBITAL MECHANICS  
PARKING ORBITS  
PLANETARY ORBITS  
SATELLITE ORBITS  
SOLAR ORBITS  
SPACE RENDEZVOUS  
SPACECRAFT DOCKING  
TRAJECTORIES  
TRANSEARTH INJECTION  
TRANSFERRING  
TRANSLUNAR INJECTION

### TRANSFER TUNNELS

GS PASSAGEWAYS  
TRANSFER TUNNELS  
RT ENTRANCES  
 $\infty$  TUNNELS

### TRANSFERRED ELECTRON DEVICES

UF TED  
GS ELECTRONIC EQUIPMENT  
SOLID STATE DEVICES  
SEMICONDUCTOR DEVICES  
TRANSFERRED ELECTRON DEVICES  
RT DIFFRACTION RADIATION  
ELECTRON TRANSFER  
GALLIUM ARSENIDES  
INDIUM PHOSPHIDES  
MICROWAVE AMPLIFIERS  
MICROWAVE OSCILLATORS

### TRANSFERRING

UF TRANSFER  
GS TRANSFERRING  
DROP TRANSFER  
RT CHARGE TRANSFER  
ELECTRON TRANSFER

### TRANSFERRING-(CONT.)

ENERGY TRANSFER  
EXCHANGING  
HEAT TRANSFER  
MASS TRANSFER  
MATERIALS HANDLING  
MOMENTUM TRANSFER  
 $\infty$  SHIFT  
TECHNOLOGY TRANSFER  
TRANSFER ORBITS  
TRANSPORTATION

### TRANSFORM INTEGRALS

USE INTEGRAL TRANSFORMATIONS

### TRANSFORMATION TENSORS

USE TENSORS

### $\infty$ TRANSFORMATIONS

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
RT FUJITA METHOD  
FUNCTIONS (MATHEMATICS)  
ORDER-DISORDER TRANSFORMATIONS  
PHASE TRANSFORMATIONS  
TRANSFORMATIONS (MATHEMATICS)

### TRANSFORMATIONS (MATHEMATICS)

UF TRANSFORMS  
GS TRANSFORMATIONS (MATHEMATICS)  
COORDINATE TRANSFORMATIONS  
HOUSEHOLDER TRANSFORMATIONS  
INTEGRAL TRANSFORMATIONS  
FOURIER TRANSFORMATION  
FAST FOURIER TRANSFORMATIONS  
FOURIER-BESSEL TRANSFORMATIONS  
HILBERT TRANSFORMATION  
LAPLACE TRANSFORMATION  
LINEAR TRANSFORMATIONS  
RT FUJITA METHOD  
FUNCTIONS (MATHEMATICS)  
GAUGE INVARIANCE  
RACAHOFF COEFFICIENT  
 $\infty$  TRANSFORMATIONS

### TRANSFORMERS

GS TRANSFORMERS  
INSTRUMENT TRANSFORMERS  
MODE TRANSFORMERS  
VOLTAGE CONVERTERS (AC TO AC)  
RT AMPLIFIERS  
BALLASTS (IMPEDANCES)  
CIRCUIT PROTECTION  
 $\infty$  CONVERTERS  
COUPLING CIRCUITS  
DIPLEXERS  
ELECTRIC COILS  
ELECTRIC FILTERS  
ELECTRIC MOTORS  
ELECTRIC REACTORS  
ELECTRICAL GROUNDING  
INDUCTANCE  
MAGNET COILS  
MAGNETIC CIRCUITS  
MAGNETIC CORES  
OSCILLATORS  
PHASE CONTROL  
PLASMA CONTROL  
POWER SUPPLY CIRCUITS  
RESOLVERS  
SATURABLE REACTORS  
SOLID STATE DEVICES  
TOROIDS  
UP-CONVERTERS  
VOLTAGE REGULATORS

### TRANSFORMS

USE TRANSFORMATIONS (MATHEMATICS)

### TRANSFUSION

RT BLOOD  
FIRST AID  
MEDICAL SCIENCE  
SYRINGES  
VEINS

### TRANSGRANULAR CORROSION

GS CHEMICAL ATTACK  
TRANSGRANULAR CORROSION  
CORROSION  
TRANSGRANULAR CORROSION  
RT CORROSION TESTS  
GRAIN BOUNDARIES  
INTERGRANULAR CORROSION

### TRANSGRANULAR CORROSION-(CONT.)

METAL FATIGUE  
PROTECTIVE COATINGS  
STRESS CORROSION

### TRANSHORIZON RADIO PROPAGATION

GS TRANSMISSION  
ELECTROMAGNETIC WAVE  
TRANSMISSION  
RADIO TRANSMISSION  
TRANSHORIZON RADIO PROPAGATION  
SIGNAL TRANSMISSION  
RADIO TRANSMISSION  
TRANSHORIZON RADIO PROPAGATION  
RT RADIO ATTENUATION  
RADIO SIGNALS

### TRANSIENT HEATING

GS HEATING  
TRANSIENT HEATING  
PULSE HEATING  
SHOCK HEATING  
RT AERODYNAMIC HEATING

### TRANSIENT LOADS

SN (LIMITED TO FORCE LOADS)  
GS LOADS (FORCES)  
DYNAMIC LOADS  
TRANSIENT LOADS  
GUST LOADS  
IMPACT LOADS  
LANDING LOADS  
SHOCK LOADS  
BLAST LOADS  
RT AERODYNAMIC LOADS  
CONTACT LOADS  
CYCLIC LOADS  
RANDOM LOADS  
STRUCTURAL DESIGN CRITERIA

### TRANSIENT OSCILLATIONS

GS OSCILLATIONS  
TRANSIENT OSCILLATIONS  
RT DAMPING  
ELECTRON OSCILLATIONS  
LASERS  
MASERS  
PILOT INDUCED OSCILLATION  
STIMULATED EMISSION DEVICES  
TRANSVERSE OSCILLATION

### TRANSIENT PRESSURES

GS PRESSURE  
TRANSIENT PRESSURES  
RT MASS FLOW RATE  
PRESSURE SENSORS

### TRANSIENT REACTOR TEST FACILITY

UF TREAT (TEST FACILITY)  
GS TEST FACILITIES  
TRANSIENT REACTOR TEST FACILITY  
RT NUCLEAR RESEARCH AND TEST  
REACTORS  
REACTOR SAFETY  
SNAP

### TRANSIENT RESPONSE

GS DYNAMIC CHARACTERISTICS  
TRANSIENT RESPONSE  
RESPONSES  
DYNAMIC RESPONSE  
TRANSIENT RESPONSE  
RT AMPLIFICATION  
 $\infty$  COMPENSATION  
DAMPING  
DYNAMIC STABILITY  
IMPEDANCE  
PRESSURE SENSORS  
RESONANT FREQUENCIES  
RESPONSE BIAS  
SENSITIVITY  
STROKING TESTS  
TIME CONSTANT  
TRANSFER FUNCTIONS

### TRANSIENTS (SURGES)

USE SURGES

### TRANSISTOR AMPLIFIERS

GS AMPLIFIERS  
TRANSISTOR AMPLIFIERS  
ELECTRONIC EQUIPMENT

## TRANSISTOR CIRCUITS

### TRANSISTOR AMPLIFIERS-(CONT.)

- . SOLID STATE DEVICES
- . SEMICONDUCTOR DEVICES
- . . . **TRANSISTOR AMPLIFIERS**
- RT CURRENT AMPLIFIERS
- DIFFERENTIAL AMPLIFIERS
- FEEDBACK AMPLIFIERS
- INTERMEDIATE FREQUENCY AMPLIFIERS
- OPERATIONAL AMPLIFIERS
- POWER AMPLIFIERS
- PREAMPLIFIERS
- TRANSISTORS

### TRANSISTOR CIRCUITS

- GS CIRCUITS
- . **TRANSISTOR CIRCUITS**
- RT DTL INTEGRATED CIRCUITS
- . . . ELECTRONICS
- . . . HYBRID CIRCUITS
- . . . INTEGRATED CIRCUITS
- . . . LINEAR INTEGRATED CIRCUITS
- . . . LOGIC CIRCUITS
- . . . MICROELECTRONICS
- . . . PRINTED CIRCUITS
- . . . TTL INTEGRATED CIRCUITS

### TRANSISTOR LOGIC

- RT BOOLEAN ALGEBRA
- . . . LOGIC
- . . . LOGIC CIRCUITS
- . . . LOGIC DESIGN
- . . . THRESHOLD LOGIC

### TRANSISTOR-TRANSISTOR-LOGIC INTEG CIRCUITS

- USE TTL INTEGRATED CIRCUITS

### TRANSISTORS

- GS ELECTRONIC EQUIPMENT
- . SOLID STATE DEVICES
- . . . SEMICONDUCTOR DEVICES
- . . . **TRANSISTORS**
- . . . . BIPOLAR TRANSISTORS
- . . . . FIELD EFFECT TRANSISTORS
- . . . . CHARGE FLOW DEVICES
- . . . . JFET
- . . . . MODFETS
- . . . . HIGH ELECTRON MOBILITY TRANSISTORS
- . . . . MODFETS
- . . . . JUNCTION TRANSISTORS
- . . . . JFET
- . . . . PHOTOTRANSISTORS
- . . . . SILICON TRANSISTORS
- . . . . SOS (SEMICONDUCTORS)
- RT GERMANIUM DIODES
- ION IMPLANTATION
- MINIATURIZATION
- PENTODES
- SIS (SEMICONDUCTORS)
- TETRODES
- TRANSISTOR AMPLIFIERS
- TRAPATT DEVICES
- TRIODES

### ∞ TRANSIT

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT OCCULTATION
- TRANSIT SATELLITES
- TRANSITS

### TRANSIT ATTITUDE CONTROL SATELLITE

- UF TRAAC SATELLITE
- GS ARTIFICIAL SATELLITES
- . NAVIGATION SATELLITES
- . . **TRANSIT ATTITUDE CONTROL SATELLITE**
- RT ∞ CONTROL
- SATELLITE ATTITUDE CONTROL

### TRANSIT NAVIGATION SYSTEM

- GS SATELLITE NAVIGATION SYSTEMS
- . **TRANSIT NAVIGATION SYSTEM**
- RT NASA PROGRAMS
- NAVIGATION SATELLITES
- NOVA SATELLITES
- TRANSIT SATELLITES

### TRANSIT SATELLITES

- GS ARTIFICIAL SATELLITES
- . NAVIGATION SATELLITES
- . . **TRANSIT SATELLITES**

### TRANSIT SATELLITES-(CONT.)

- RT DISCOS (SATELLITE ATTITUDE CONTROL)
- . . . TRANSIT
- . . . TRANSIT NAVIGATION SYSTEM

### TRANSIT TIME

- SN (NOT LIMITED TO ASTRONOMICAL TIMES OF TRANSIT)
- GS TIME
- . **TRANSIT TIME**
- RT BARRITT DIODES
- CATT DEVICES
- FLIGHT TIME
- . . . MOTION

### ∞ TRANSITION

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT BOUNDARY LAYER TRANSITION
- ELECTRON TRANSITIONS
- FORBIDDEN TRANSITIONS
- PHASE TRANSFORMATIONS

### TRANSITION FLOW

- GS FLUID FLOW
- . GAS FLOW
- . . . MOLECULAR FLOW
- . . . **TRANSITION FLOW**
- RT BOUNDARY LAYER TRANSITION
- FREE MOLECULAR FLOW
- PERIOD DOUBLING
- RAREFIED GAS DYNAMICS
- SLIP FLOW

### ∞ TRANSITION LAYERS

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT BOUNDARY LAYER TRANSITION
- INTERLAYERS
- LAMINAR FLOW
- PLASMA LAYERS
- SHEAR LAYERS
- SHOCK LAYERS
- SHOCK WAVES
- SURFACE LAYERS
- TURBULENT FLOW

### TRANSITION METALS

- GS METALS
- . **TRANSITION METALS**
- . . . CADMIUM
- . . . CADMIUM ISOTOPES
- . . . CHROMIUM
- . . . CHROMIUM ISOTOPES
- . . . COBALT
- . . . COBALT ISOTOPES
- . . . COBALT 58
- . . . COBALT 60
- . . . GOLD
- . . . GOLD ISOTOPES
- . . . GOLD 198
- . . . HAFNIUM
- . . . HAFNIUM ISOTOPES
- . . . IRIIDIUM
- . . . IRIIDIUM ISOTOPES
- . . . IRON
- . . . IRON ISOTOPES
- . . . IRON 57
- . . . IRON 58
- . . . IRON 59
- . . . MANGANESE
- . . . MANGANESE ISOTOPES
- . . . MOLYBDENUM
- . . . NICKEL
- . . . NICKEL ISOTOPES
- . . . NIOBIUM
- . . . NIOBIUM ISOTOPES
- . . . NIOBIUM 95
- . . . OSMIUM
- . . . OSMIUM ISOTOPES
- . . . PALLADIUM
- . . . PLATINUM
- . . . PLATINUM ISOTOPES
- . . . RHENIUM
- . . . RHENIUM ISOTOPES
- . . . RHODIUM
- . . . RHODIUM ISOTOPES
- . . . RUTHENIUM
- . . . RUTHENIUM ISOTOPES
- . . . SCANDIUM
- . . . SCANDIUM ISOTOPES
- . . . SILVER

### TRANSITION METALS-(CONT.)

- . . . SILVER ISOTOPES
- . . . TANTALUM
- . . . TANTALUM ISOTOPES
- . . . TECHNETIUM
- . . . TECHNETIUM ISOTOPES
- . . . TITANIUM
- . . . TITANIUM ISOTOPES
- . . . TUNGSTEN
- . . . TUNGSTEN ISOTOPES
- . . . VANADIUM
- . . . VANADIUM ISOTOPES
- . . . YTTRIUM
- . . . YTTRIUM ISOTOPES
- . . . ZINC
- . . . ZINC ISOTOPES
- . . . ZIRCONIUM
- . . . ZIRCONIUM ISOTOPES
- . . . ZIRCONIUM 95
- RT ACTINIDE SERIES
- COMPLEX COMPOUNDS
- METAL NITRIDES
- PALLADIUM COMPOUNDS
- RARE EARTH ELEMENTS
- RUTHENIUM COMPOUNDS
- SHAPE MEMORY ALLOYS
- TRANSURANIUM ELEMENTS

### TRANSITION POINTS

- RT BOUNDARY LAYER TRANSITION
- . . . EQUILIBRIUM
- . . . KNUDSEN FLOW
- . . . PHASE DIAGRAMS
- . . . REYNOLDS NUMBER

### TRANSITION PRESSURE

- GS PRESSURE
- . **TRANSITION PRESSURE**
- RT HIGH PRESSURE
- HYDROSTATIC PRESSURE
- PHASE TRANSFORMATIONS
- PRESSURE EFFECTS

### TRANSITION PROBABILITIES

- RT ELECTRON TRANSITIONS
- EXCITATION
- FERMI SURFACES
- NUCLEAR CAPTURE
- PROBABILITY THEORY
- SPECTRA

### TRANSITION TEMPERATURE

- GS TEMPERATURE
- . **TRANSITION TEMPERATURE**
- RT GLASS TRANSITION TEMPERATURE
- HEAT OF FUSION
- KONDO EFFECT
- LIQUID PHASES
- MELTING POINTS
- PHASE DIAGRAMS
- PHASE TRANSFORMATIONS
- SOLIDIFICATION
- SUPERCONDUCTING POWER
- TRANSMISSION
- SUPERCONDUCTIVITY

### TRANSITS

- SN (EXCLUDES PARTIAL OR TOTAL OCCULTATION OF ONE BODY BY ANOTHER)
- GS MEASURING INSTRUMENTS
- . OPTICAL MEASURING INSTRUMENTS
- . . **TRANSITS**
- . . . THEODOLITES
- . . . CINETHEODOLITES
- . . . OPTICAL EQUIPMENT
- . . . OPTICAL MEASURING INSTRUMENTS
- . . **TRANSITS**
- . . . THEODOLITES
- . . . CINETHEODOLITES
- RT COMPASSES
- SEXTANTS
- . . . TRANSIT

### TRANSLATING

- GS **TRANSLATING**
- . MACHINE TRANSLATION
- RT DECODING
- DOCUMENTATION
- . . . INTERPRETATION
- . . . LANGUAGES
- . . . TECHNICAL WRITING
- . . . TRANSLATORS

**TRANSLATIONAL MOTION**

- GS **TRANSLATIONAL MOTION**  
 . THREE DIMENSIONAL MOTION  
 . THREE DIMENSIONAL FLOW  
 . KARMAN-BODEWADT FLOW  
 . SECONDARY FLOW
- RT  $\infty$  MOTION  
 RACKS (GEARS)  
 RIGID STRUCTURES

 $\infty$  **TRANSLATORS**

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT COMPUTER PROGRAMS  
 DECODERS  
 DIGITAL TO VOICE TRANSLATORS  
 LANGUAGE PROGRAMMING  
 REPEATERS  
 TRANSLATING

**TRANSLUCENCE**

- GS ELECTROMAGNETIC PROPERTIES  
 . OPTICAL PROPERTIES  
 . **TRANSLUCENCE**
- RT LIGHT TRANSMISSION  
 OPACITY  
 OPTICAL DENSITY  
 TRANSMISSIVITY  
 TRANSPARENCE

**TRANSLUNAR INJECTION**

- GS INJECTION  
 . **TRANSLUNAR INJECTION**
- RT INJECTION GUIDANCE  
 MIDCOURSE GUIDANCE  
 ORBITAL MECHANICS  
 TRANSFER ORBITS

**TRANSLUNAR SPACE**

- USE INTERPLANETARY SPACE

**TRANSMISSION**

- UF COAXIAL TRANSMISSION
- GS **TRANSMISSION**  
 . DEMULTIPLEXING  
 . ELECTRIC POWER TRANSMISSION  
 . ELECTROMAGNETIC WAVE TRANSMISSION  
 . LIGHT TRANSMISSION  
 . . . LIGHT SCATTERING  
 . . . HALOS  
 . . . RADAR TRANSMISSION  
 . . . RADIO TRANSMISSION  
 . . . DOUBLE SIDEBAND TRANSMISSION  
 . . . IONOSPHERIC PROPAGATION  
 . . . IONOSPHERIC F-SCATTER PROPAGATION  
 . . . MICROWAVE ATTENUATION  
 . . . MICROWAVE TRANSMISSION  
 . . . MULTIPATH TRANSMISSION  
 . . . SHORT WAVE RADIO TRANSMISSION  
 . . . SINGLE SIDEBAND TRANSMISSION  
 . . . SPREAD SPECTRUM TRANSMISSION  
 . . . TRANSEQUATORIAL PROPAGATION  
 . . . TRANSHORIZON RADIO PROPAGATION  
 . . . SCATTER PROPAGATION  
 . . . IONOSPHERIC F-SCATTER PROPAGATION  
 . . . TELEVISION TRANSMISSION  
 . . . HEAT TRANSMISSION  
 . . . HEAT TRANSFER  
 . . . AERODYNAMIC HEAT TRANSFER  
 . . . HYPERSONIC HEAT TRANSFER  
 . . . SUPERSONIC HEAT TRANSFER  
 . . . CONDUCTIVE HEAT TRANSFER  
 . . . CONVECTIVE HEAT TRANSFER  
 . . . LAMINAR HEAT TRANSFER  
 . . . RADIATIVE HEAT TRANSFER  
 . . . TURBULENT HEAT TRANSFER  
 . . . MULTIPLEXING  
 . . . CODE DIVISION MULTIPLEXING  
 . . . FREQUENCY DIVISION MULTIPLEXING  
 . . . TIME DIVISION MULTIPLEXING  
 . . . WAVELENGTH DIVISION MULTIPLEXING  
 . . . SELF PROPAGATION  
 . . . SIGNAL TRANSMISSION  
 . . . DATA TRANSMISSION  
 . . . AUTOMATIC PICTURE TRANSMISSION  
 . . . MULTIPLE ACCESS  
 . . . ALOHA SYSTEM

**TRANSMISSION-(CONT.)**

- . . . . CODE DIVISION MULTIPLE ACCESS  
 . . . . FREQUENCY DIVISION MULTIPLE ACCESS  
 . . . . PACKET TRANSMISSION  
 . . . . ALOHA SYSTEM  
 . . . . SINGLE CHANNEL PER CARRIER TRANSMISSION  
 . . . . RADAR TRANSMISSION  
 . . . . RADIO TRANSMISSION  
 . . . . DOUBLE SIDEBAND TRANSMISSION  
 . . . . IONOSPHERIC PROPAGATION  
 . . . . IONOSPHERIC F-SCATTER PROPAGATION  
 . . . . MICROWAVE ATTENUATION  
 . . . . MICROWAVE TRANSMISSION  
 . . . . MULTIPATH TRANSMISSION  
 . . . . SHORT WAVE RADIO TRANSMISSION  
 . . . . SINGLE SIDEBAND TRANSMISSION  
 . . . . TRANSEQUATORIAL PROPAGATION  
 . . . . TRANSHORIZON RADIO PROPAGATION  
 . . . . SATELLITE TRANSMISSION  
 . . . . TELEMETRY  
 . . . . BIOTELEMETRY  
 . . . . P.A.C.M. TELEMETRY  
 . . . . PCM TELEMETRY  
 . . . . RADIO TELEMETRY  
 . . . . PULSE FREQUENCY MODULATION TELEMETRY  
 . . . . TELEVISION TRANSMISSION  
 . . . . SOUND TRANSMISSION  
 . . . . STRESS PROPAGATION  
 . . . . TELEPHONY  
 . . . . WAVE PROPAGATION  
 . . . . ACOUSTIC PROPAGATION  
 . . . . DIFFRACTION PROPAGATION  
 . . . . GROUND WAVE PROPAGATION  
 . . . . IONOSPHERIC PROPAGATION  
 . . . . IONOSPHERIC F-SCATTER PROPAGATION  
 . . . . LIGHT SCATTERING  
 . . . . HALOS  
 . . . . SCATTER PROPAGATION  
 . . . . IONOSPHERIC F-SCATTER PROPAGATION  
 . . . . SHOCK WAVE PROPAGATION  
 . . . . TRANSEQUATORIAL PROPAGATION
- RT ABSORPTANCE  
 ATMOSPHERIC ATTENUATION  
 ATTENUATION  
 BROADCASTING  
 $\infty$  CONDUCTION  
 DIFFRACTION  
 ELECTROMAGNETIC ABSORPTION  
 ELECTROMAGNETIC RADIATION  
 OPTICAL FILTERS  
 OUTPUT  
 $\infty$  PROPAGATION  
 RADAR ATTENUATION  
 RADIO ATTENUATION  
 REFLECTION  
 REFRACTION  
 SIGNAL REFLECTION  
 TELECOMMUNICATION  
 TRANSMISSIVITY  
 TRANSMITTANCE  
 WAVE DISPERSION

**TRANSMISSION CIRCUITS**

- GS CIRCUITS  
 . **TRANSMISSION CIRCUITS**
- RT CIRCUIT PROTECTION  
 ELECTRIC POWER TRANSMISSION  
 SIGNAL STABILIZATION  
 STRIP TRANSMISSION LINES  
 TELECOMMUNICATION

**TRANSMISSION EFFICIENCY**

- GS EFFICIENCY  
 . **TRANSMISSION EFFICIENCY**
- RT ALOHA SYSTEM  
 ATTENUATION COEFFICIENTS  
 BIT ERROR RATE  
 CARRIER TO NOISE RATIOS  
 DATA TRANSMISSION  
 DOWNLINKING  
 ELECTROMAGNETIC WAVE TRANSMISSION  
 FREQUENCY HOPPING  
 INTERSYMBOLIC INTERFERENCE  
 NETWORK CONTROL  
 OPACITY  
 PACKET TRANSMISSION

**TRANSMISSION EFFICIENCY-(CONT.)**

- PACKETS (COMMUNICATION)  
 POWER EFFICIENCY  
 SIGNAL TRANSMISSION  
 TRANSMITTANCE  
 UPLINKING

**TRANSMISSION FLUIDS**

- RT FLUID TRANSMISSION LINES  
 $\infty$  FLUIDS  
 HYDRAULIC FLUIDS  
 WORKING FLUIDS

**TRANSMISSION LINES**

- UF TRUNKS (LINES)
- GS **TRANSMISSION LINES**  
 . COMMUNICATION CABLES  
 . COAXIAL CABLES  
 . WAVEGUIDES  
 . . . BEAM WAVEGUIDES  
 . . . CIRCULAR WAVEGUIDES  
 . . . OPTICAL WAVEGUIDES  
 . . . OPTICAL FIBERS  
 . . . PLASMA GUIDES  
 . . . RECTANGULAR WAVEGUIDES  
 . . . FLUID TRANSMISSION LINES  
 . . . POWER LINES  
 . . . STRIP TRANSMISSION LINES  
 . . . MICROSTRIP TRANSMISSION LINES  
 . . . SUBMARINE CABLES  
 . . . UNDERGROUND TRANSMISSION LINES
- RT ACOUSTIC DELAY LINES  
 ANTENNA COUPLERS  
 ANTENNA FEEDS  
 BACKWARD WAVES  
 $\infty$  CABLES  
 CIRCUIT PROTECTION  
 CIRCUITS  
 DELTA ANTENNAS  
 DIRECTIONAL COUPLERS  
 DISTRIBUTED AMPLIFIERS  
 ELECTRIC CONDUCTORS  
 ELECTRIC CURRENT  
 ELECTRIC POWER TRANSMISSION  
 ELECTRIC WIRE  
 ELECTRICAL ENGINEERING  
 ELECTRIFICATION  
 HARNESES  
 IMPEDANCE MATCHING  
 INSULATORS  
 $\infty$  LINES  
 MODE TRANSFORMERS  
 $\infty$  NETWORKS  
 NONRESONANCE  
 SMITH CHART  
 STANDING WAVE RATIOS  
 SUPERCONDUCTING POWER TRANSMISSION  
 TELECOMMUNICATION  
 WIRING

**TRANSMISSION LOSS**

- RT ATTENUATION  
 CURRENT REGULATORS  
 ELECTRIC POWER TRANSMISSION  
 INSERTION  
 INSERTION LOSS  
 LOSSES  
 LOSSY MEDIA  
 SILENCE  
 VOLTAGE REGULATORS  
 WAVE DISPERSION

**TRANSMISSIONS (MACHINE ELEMENTS)**

- GS MECHANICAL DRIVES  
 . **TRANSMISSIONS (MACHINE ELEMENTS)**
- RT GEARS  
 SHAFTS (MACHINE ELEMENTS)  
 TORQUE CONVERTERS  
 TORQUE MOTORS  
 VEHICLE WHEELS

**TRANSMISSIVITY**

- GS ELECTROMAGNETIC PROPERTIES  
 . OPTICAL PROPERTIES  
 . . **TRANSMISSIVITY**
- RT ABSORPTANCE  
 ABSORPTIVITY  
 DENSITY (MASS/VOLUME)  
 LIGHT SCATTERING  
 OPACITY  
 $\infty$  PHYSICAL PROPERTIES  
 TRANSLUCENCE  
 TRANSMISSION

## TRANSMISSOMETERS

### TRANSMISSIVITY-(CONT.)

TRANSMITTANCE  
TRANSPARENCE  
TRANSPONDERS  
VISIBILITY

### TRANSMISSOMETERS

GS MEASURING INSTRUMENTS  
OPTICAL MEASURING INSTRUMENTS  
TRANSMISSOMETERS  
OPTICAL EQUIPMENT  
OPTICAL MEASURING INSTRUMENTS  
TRANSMISSOMETERS  
RT DENSITOMETERS  
PHOTOMETERS  
RADIANCE  
TELEPHOTOMETRY  
TRANSMITTANCE

### TRANSMITTANCE

GS ELECTROMAGNETIC PROPERTIES  
OPTICAL PROPERTIES  
TRANSMITTANCE  
RT ABSORPTANCE  
ATTENUATION COEFFICIENTS  
DENSITY (MASS/VOLUME)  
ELECTROMAGNETIC ABSORPTION  
INFRARED ABSORPTION  
LIGHT (VISIBLE RADIATION)  
OPTICAL DENSITY  
PHOTOMETRY  
RAY TRACING  
REFLECTANCE  
SCATTERING  
TRANSMISSION  
TRANSMISSION EFFICIENCY  
TRANSMISSIVITY  
TRANSMISSOMETERS  
TRANSPARENCE

### TRANSMITTER RECEIVERS

UF TRANSCIVERS  
GS COMMUNICATION EQUIPMENT  
RADIO RECEIVERS  
TRANSMITTER RECEIVERS  
RADIO EQUIPMENT  
RADIO RECEIVERS  
TRANSMITTER RECEIVERS  
RADIO TRANSMITTERS  
TRANSMITTER RECEIVERS  
RECEIVERS  
RADIO RECEIVERS  
TRANSMITTER RECEIVERS  
TRANSMITTERS  
RADIO TRANSMITTERS  
TRANSMITTER RECEIVERS  
RT INTERROGATION  
TRANSPONDERS

### TRANSMITTERS

UF SENDERS  
GS TRANSMITTERS  
EMERGENCY LOCATOR  
TRANSMITTERS  
INSTRUMENT TRANSMITTERS  
RADAR TRANSMITTERS  
RADIO TRANSMITTERS  
RADIO BEACONS  
OMNIDIRECTIONAL RADIO RANGES  
SELF CALIBRATING OMNIRANGE  
RADIOMETEOROGRAPHS  
RADIOSONDES  
ENDORADIOSONDES  
IONOSONDES  
RAWINSONDES  
RADIOTELEPHONES  
SONOBUOYS  
TRANSMITTER RECEIVERS  
REPEATERS  
RT ANTENNAS  
ATTENUATION  
DUPLEXERS  
INSTRUMENTS  
MICROPHONES  
RECEIVERS  
SIGNAL ENCODING  
TELECOMMUNICATION  
TELEVISION TRANSMISSION  
TRANSPONDERS

### TRANSMUTATION

GS NUCLEAR REACTIONS  
NUCLEAR TRANSFORMATIONS  
TRANSMUTATION  
RT NEUTRON IRRADIATION

### TRANSMUTATION-(CONT.)

RADIOGENIC MATERIALS

### TRANSOCEANIC COMMUNICATION

GS TELECOMMUNICATION  
TRANSOCEANIC COMMUNICATION  
TRANSOCEANIC SYSTEMS  
TRANSOCEANIC COMMUNICATION  
RT FACSIMILE COMMUNICATION  
RADIO COMMUNICATION  
RELAY SATELLITES

### TRANSOCEANIC FLIGHT

RT FLIGHT

### TRANSOCEANIC SYSTEMS

GS TRANSOCEANIC SYSTEMS  
TRANSOCEANIC COMMUNICATION  
RT INTERCONTINENTAL BALLISTIC MISSILES  
OCEAN DATA ACQUISITIONS SYSTEMS  
SYSTEMS  
TELECOMMUNICATION  
TRANSPORTATION  
WORLD DATA CENTERS

### TRANSONIC AIRCRAFT

USE SUPERSONIC AIRCRAFT

### TRANSONIC AIRCRAFT TECHNOLOGY PROGRAM

USE TACT PROGRAM

### TRANSONIC COMPRESSORS

GS COMPRESSORS  
TRANSONIC COMPRESSORS  
RT SUPERSONIC COMPRESSORS  
TURBOCOMPRESSORS

### TRANSONIC FLIGHT

RT FLIGHT  
ROCKET FLIGHT  
SONIC BOOMS  
SUPERSONIC FLIGHT

### TRANSONIC FLOW

UF SONIC FLOW  
TRANSONICS  
GS FLUID FLOW  
COMPRESSIBLE FLOW  
TRANSONIC FLOW  
RT AERODYNAMICS  
COMPRESSIBILITY EFFECTS  
FLOW  
FLOW VELOCITY  
GAS FLOW  
NOZZLE FLOW  
SHOCK WAVES  
SONIC NOZZLES  
SUBSONIC FLOW  
SUPERSONIC FLOW  
TRISONIC WIND TUNNELS  
WIND TUNNELS

### TRANSONIC FLUTTER

GS VIBRATION  
STRUCTURAL VIBRATION  
FLUTTER  
TRANSONIC FLUTTER  
SELF INDUCED VIBRATION  
TRANSONIC FLUTTER  
RT MISSILE VIBRATION  
SUBSONIC FLUTTER  
SUPERSONIC FLUTTER

### TRANSONIC INLETS

USE SUPERSONIC INLETS

### TRANSONIC NOZZLES

RT CONICAL NOZZLES  
CONVERGENT-DIVERGENT NOZZLES  
HYPERSONIC NOZZLES  
NOZZLES  
SONIC NOZZLES  
SUPERSONIC NOZZLES  
WIND TUNNEL NOZZLES

### TRANSONIC SPEED

SN (APPROXIMATELY MACH 0.8 TO 1.2)  
GS RATES (PER TIME)  
TRANSONIC SPEED  
VELOCITY  
TRANSONIC SPEED  
RT ACOUSTIC VELOCITY  
SUBSONIC SPEED  
SUPERSONIC SPEED

### TRANSONIC TURBINES

USE SUPERSONIC TURBINES

### TRANSONIC WIND TUNNELS

GS TEST FACILITIES  
WIND TUNNELS  
TRANSONIC WIND TUNNELS  
RT BLOWDOWN WIND TUNNELS  
HYPERSONIC WIND TUNNELS  
SLOTTED WIND TUNNELS  
SUBSONIC WIND TUNNELS  
SUPERSONIC WIND TUNNELS  
WING FLOW METHOD TESTS

### TRANSONICS

USE TRANSONIC FLOW

### TRANSPARENCE

UF TRANSPARENT MATERIALS  
GS ELECTROMAGNETIC PROPERTIES  
OPTICAL PROPERTIES  
TRANSPARENCE  
RT ABSORPTANCE  
ABSORPTIVITY  
ATMOSPHERIC OPTICS  
CLARITY  
DENSITY (MASS/VOLUME)  
ELECTROMAGNETIC ABSORPTION  
HAZE  
LIGHT TRANSMISSION  
OPACITY  
OPTICAL DENSITY  
RADOME MATERIALS  
TRANSLUCENCE  
TRANSMISSIVITY  
TRANSMITTANCE  
TURBIDITY

### TRANSPARENT MATERIALS

USE TRANSPARENCE

### TRANSPIRATION

UF FLUID TRANSPIRATION  
GS PHASE TRANSFORMATIONS  
VAPORIZING  
EVAPORATION  
TRANSPIRATION  
RT COOLING  
COOLING SYSTEMS  
EVANESCENCE  
EVAPOTRANSPIRATION  
EVOLUTION (LIBERATION)  
GAS EVOLUTION  
MASS TRANSFER  
MOLECULAR FLOW  
OUTGASSING  
PERMEATING  
PERSPIRATION  
TEMPERATURE CONTROL

### TRANSPIRATION COOLING

USE SWEAT COOLING

### TRANSPLANTATION

RT CLINICAL MEDICINE  
HEART IMPLANTATION  
SURGERY

### TRANSPONDER CONTROL GROUP

UF TCG (TRACKING)  
RT CONTROL  
RADAR TRACKING  
SATELLITE TRACKING  
SPACECRAFT TRACKING  
TELEMETRY  
TRANSPONDERS

### TRANSPONDERS

UF RESPONDERS  
GS RADIO EQUIPMENT  
TRANSPONDERS  
RT AIR TRAFFIC CONTROL  
BEACON COLLISION AVOIDANCE  
SYSTEM  
INTERROGATION  
RADAR BEACONS  
RADAR EQUIPMENT  
RADIO RECEIVERS  
RADIO TRANSMITTERS  
TRANSMISSIVITY  
TRANSMITTER RECEIVERS  
TRANSMITTERS  
TRANSPONDER CONTROL GROUP

## TRANSPORT AIRCRAFT

GS **TRANSPORT AIRCRAFT**

- . ALADIN 2 AIRCRAFT
- . AN-2 AIRCRAFT
- . AN-22 AIRCRAFT
- . AN-24 AIRCRAFT
- . ARGOSY MK-1 AIRCRAFT
- . BAC 111 AIRCRAFT
- . BOEING 707 AIRCRAFT
- . BOEING 720 AIRCRAFT
- . BOEING 727 AIRCRAFT
- . BOEING 733 AIRCRAFT
- . BOEING 737 AIRCRAFT
- . BOEING 747 AIRCRAFT
- . BOEING 757 AIRCRAFT
- . BOEING 767 AIRCRAFT
- . BOEING 777 AIRCRAFT
- . CARGO AIRCRAFT
- . BREGUET 941 AIRCRAFT
- . C-1A AIRCRAFT
- . C-2 AIRCRAFT
- . C-5 AIRCRAFT
- . C-9 AIRCRAFT
- . C-46 AIRCRAFT
- . C-47 AIRCRAFT
- . C-54 AIRCRAFT
- . C-118 AIRCRAFT
- . C-119 AIRCRAFT
- . C-121 AIRCRAFT
- . C-123 AIRCRAFT
- . C-124 AIRCRAFT
- . C-130 AIRCRAFT
- . C-131 AIRCRAFT
- . C-133 AIRCRAFT
- . C-135 AIRCRAFT
- . C-140 AIRCRAFT
- . C-141 AIRCRAFT
- . C-160 AIRCRAFT
- . CL-44 AIRCRAFT
- . DC 3 AIRCRAFT
- . DC 7 AIRCRAFT
- . F-27 AIRCRAFT
- . P-160 AIRCRAFT
- . P-166 AIRCRAFT
- . SPANLOADER AIRCRAFT
- . YC-14 AIRCRAFT
- . CH-3 HELICOPTER
- . CH-34 HELICOPTER
- . CH-46 HELICOPTER
- . CH-47 HELICOPTER
- . CH-54 HELICOPTER
- . CL-84 AIRCRAFT
- . CL-823 AIRCRAFT
- . CONCORDE AIRCRAFT
- . CV-880 AIRCRAFT
- . DC 8 AIRCRAFT
- . DC 9 AIRCRAFT
- . DC 10 AIRCRAFT
- . DH 121 AIRCRAFT
- . DH 125 AIRCRAFT
- . DHC 2 AIRCRAFT
- . DHC 4 AIRCRAFT
- . DHC 5 AIRCRAFT
- . DO-31 AIRCRAFT
- . EC-121 AIRCRAFT
- . ELECTRA AIRCRAFT
- . F-28 TRANSPORT AIRCRAFT
- . G-1 AIRCRAFT
- . G-222 AIRCRAFT
- . H-19 HELICOPTER
- . H-53 HELICOPTER
- . H-56 HELICOPTER
- . HC-3 HELICOPTER
- . HFB-320 AIRCRAFT
- . IL-14 AIRCRAFT
- . L-1011 AIRCRAFT
- . L-2000 AIRCRAFT
- . LIGHT INTRATHEATER TRANSPORT
- . LIGHT TRANSPORT AIRCRAFT
- . LOCKHEED MODEL 18 AIRCRAFT
- . MH-262 AIRCRAFT
- . MYSTERE 20 AIRCRAFT
- . S-58 HELICOPTER
- . S-61 HELICOPTER
- . SA-330 HELICOPTER
- . SC-5 AIRCRAFT
- . SC-7 AIRCRAFT
- . SH-3 HELICOPTER
- . SH-4 HELICOPTER
- . SHORT HAUL AIRCRAFT
- . C-8A AUGMENTOR WING AIRCRAFT
- . CESSNA 402B AIRCRAFT
- . EUROPEAN AIRBUS
- . . . A-300 AIRCRAFT
- . . . A-310 AIRCRAFT
- . . . A-320 AIRCRAFT

## TRANSPORT AIRCRAFT-(CONT.)

- . MERCURE AIRCRAFT
- . TANKER AIRCRAFT
- . TU-124 AIRCRAFT
- . TU-144 AIRCRAFT
- . TU-154 AIRCRAFT
- . UH-34 HELICOPTER
- . UH-60A HELICOPTER
- . UH-61A HELICOPTER
- . VC-10 AIRCRAFT
- . VISCOUNT AIRCRAFT
- . XC-142 AIRCRAFT
- . YS-11 AIRCRAFT

RT AIR TRANSPORTATION

∞ AIRCRAFT

- . COMMERCIAL AIRCRAFT
- . GENERAL AVIATION AIRCRAFT
- . JET AIRCRAFT
- . LIGHT AIRCRAFT
- . ∞ LOW WING AIRCRAFT
- . ∞ MILITARY AIRCRAFT
- . MYSTERE 50 AIRCRAFT
- . PASSENGER AIRCRAFT
- . ROTARY WING AIRCRAFT
- . ∞ SUBSONIC AIRCRAFT
- . SUPERSONIC AIRCRAFT
- . ∞ TRANSPORT VEHICLES
- . TURBOFAN AIRCRAFT
- . TURBOPROP AIRCRAFT
- . UTILITY AIRCRAFT
- . V/STOL AIRCRAFT
- . WATER TAKEOFF AND LANDING AIRCRAFT

## TRANSPORT COEFFICIENTS

USE TRANSPORT PROPERTIES

## TRANSPORT PROPERTIES

UF TRANSPORT COEFFICIENTS

GS **TRANSPORT PROPERTIES**

- . ATMOSPHERIC CONDUCTIVITY
- . . . IONOSPHERIC CONDUCTIVITY
- . CARRIER MOBILITY
- . . . ELECTRON MOBILITY
- . . . HOLE MOBILITY
- . . . DIFFUSION COEFFICIENT
- . . . SORET COEFFICIENT
- . . . ELECTRICAL RESISTIVITY
- . . . IONOSPHERIC CONDUCTIVITY
- . . . MAGNETORESISTIVITY
- . . . PHOTOCONDUCTIVITY
- . . . PLASMA CONDUCTIVITY
- . . . SUPERCONDUCTIVITY
- . . . KONDO EFFECT
- . . . GASEOUS DIFFUSION
- . . . GASEOUS SELF-DIFFUSION
- . . . IONIC MOBILITY
- . . . THERMAL CONDUCTIVITY
- . . . THERMAL DIFFUSIVITY
- . . . VISCOSITY
- . . . EDDY VISCOSITY
- . . . GAS VISCOSITY

RT BINARY FLUIDS

BOLTZMANN TRANSPORT EQUATION

∞ CONDUCTIVITY

- . DIFFUSION
- . FLOW COEFFICIENTS
- . HALL EFFECT
- . HEAT TRANSFER
- . HIGH TEMPERATURE TESTS
- . KINETIC THEORY
- . LIGHTHILL GAS MODEL
- . MOBILITY
- . ∞ PHYSICAL PROPERTIES
- . POLLUTION TRANSPORT
- . ∞ PROPERTIES
- . RADIATION TRANSPORT
- . SEEBECK EFFECT
- . ∞ SOLID STATE PHYSICS
- . THERMOELECTRICITY

## TRANSPORT THEORY

GS KINETIC THEORY

- . **TRANSPORT THEORY**
- . . . CHAPMAN-ENSKOG THEORY
- . . . EYRING THEORY
- . . . MIXING LENGTH FLOW THEORY

RT BOLTZMANN TRANSPORT EQUATION

DIFFUSION THEORY

- . GAS TRANSPORT
- . INTEGRAL EQUATIONS
- . MOLECULAR INTERACTIONS
- . MONTE CARLO METHOD
- . POLLUTION TRANSPORT
- . ∞ THEORIES

## TRANSPORT VEHICLES

SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED-CONSULT THE TERMS LISTED BELOW)*

RT CRAWLER TRACTORS

- . GROUND EFFECT MACHINES
- . RAPID TRANSIT SYSTEMS
- . SHIPS
- . TRANSPORT AIRCRAFT
- . ∞ VEHICLES

## TRANSPORTATION

GS **TRANSPORTATION**

- . AIR TRANSPORTATION
- . MARINE TRANSPORTATION
- . RAIL TRANSPORTATION
- . RAPID TRANSIT SYSTEMS
- . SPACE TRANSPORTATION
- . . . SPACE TRANSPORTATION SYSTEM
- . . . URBAN TRANSPORTATION

RT ARTIFICIAL HARBORS

- . AUTOMATED GUIDEWAY TRANSIT VEHICLES
- . AUTOMATED TRANSIT VEHICLES
- . CARGO
- . CONTRACTORS
- . CONVEYORS
- . DEEPWATER TERMINALS
- . DELIVERY
- . DISTRIBUTING
- . ∞ DISTRIBUTION
- . ELECTRIC AUTOMOBILES
- . EVACUATING (TRANSPORTATION)
- . FREIGHT COSTS
- . FREIGHTERS
- . HANDLING EQUIPMENT
- . HAULING
- . HIGHWAYS
- . LOGISTICS
- . MATERIALS HANDLING
- . MISSILES
- . MOTOR VEHICLES
- . OFFSHORE DOCKING
- . OFFSHORE PLATFORMS
- . PACKAGING
- . PASSENGERS
- . PIPELINES
- . RIDING QUALITY
- . ROADS
- . ROUTES
- . SERVICES
- . SITE SELECTION
- . TANKER TERMINALS
- . TERMINAL FACILITIES
- . TRACTORS
- . TRAFFIC
- . TRANSCONTINENTAL SYSTEMS
- . TRANSFERRING
- . TRANSOCEANIC SYSTEMS
- . TRANSPORTATION NETWORKS
- . ∞ TRAVEL
- . TRUCKS

## TRANSPORTATION ENERGY

RT ALLOCATIONS

- . CARGO
- . COMMERCIAL ENERGY
- . DISTRIBUTING
- . DOMESTIC ENERGY
- . ECONOMIC FACTORS
- . ∞ ENERGY
- . ENERGY CONVERSION
- . ENGINES
- . FUELS
- . HAULING
- . INDUSTRIAL ENERGY
- . SHIPS
- . ∞ TANKERS
- . TRUCKS

## TRANSPORTATION NETWORKS

RT HIGHWAYS

- . INTERSECTIONS
- . ∞ NETWORKS
- . RAPID TRANSIT SYSTEMS
- . ROADS
- . TRANSPORTATION

## TRANSPORTER

GS SURFACE VEHICLES

- . **TRANSPORTER**
- . ∞ CONTAINERS
- . ∞ VEHICLES





**TRAVELING SOLVENT METHOD**

- SN (LIMITED TO CRYSTAL GROWTH TECHNIQUES)
- GS GROWTH
  - . CRYSTAL GROWTH
  - . . TRAVELING SOLVENT METHOD
- RT ADDITIVES
  - CARRIER INJECTION
  - ELECTROEPITAXY
  - ∞ METHODOLOGY

**TRAVELING WAVE AMPLIFIERS**

- GS AMPLIFIERS
  - . TRAVELING WAVE AMPLIFIERS
- RT AMPLIFIER DESIGN
  - POWER AMPLIFIERS
  - TRAVELING WAVE TUBES

**TRAVELING WAVE MASERS**

- GS STIMULATED EMISSION DEVICES
  - . MASERS
  - . . TRAVELING WAVE MASERS
- RT AMPLIFIERS
  - CAVITY RESONATORS
  - COHERENT ELECTROMAGNETIC RADIATION

**TRAVELING WAVE MODULATION**

- GS MODULATION
  - . TRAVELING WAVE MODULATION
- RT LASERS
  - LIGHT MODULATION
  - WAVE DIFFRACTION

**TRAVELING WAVE TUBES**

- UF CRESTATONS
- GS HELIX TUBES
  - ELECTRON TUBES
  - . VACUUM TUBES
  - . . MICROWAVE TUBES
  - . . . TRAVELING WAVE TUBES
  - . . . . BACKWARD WAVE TUBES
  - . . . . . HELITRONS
  - . . . . . CARCINOTRONS
  - MICROWAVE EQUIPMENT
  - . MICROWAVE TUBES
  - . . TRAVELING WAVE TUBES
  - . . . BACKWARD WAVE TUBES
  - . . . . HELITRONS
  - . . . . . CARCINOTRONS
- RT BACKWARD WAVES
  - BRILLOUIN FLOW
  - CROSSED FIELD AMPLIFIERS
  - CYCLOTRON RESONANCE DEVICES
  - ELECTRON BUNCHING
  - MAGNETOSTATIC AMPLIFIERS
  - MAGNETRONS
  - MICROWAVE OSCILLATORS
  - OSCILLATIONS
  - SCALLOPING
  - TRAVELING WAVE AMPLIFIERS

**TRAVELING WAVES**

- GS TRAVELING WAVES
  - . SOLITARY WAVES
- RT BACKWARD WAVES
  - ELASTIC WAVES
  - ELECTROMAGNETIC RADIATION
  - NONRESONANCE
  - PHASE VELOCITY
  - PLANE WAVES
  - RADIO WAVES

**TRAYS**

- RT ∞ BUCKETS
- ∞ CONTAINERS
- ∞ PLATES

**TREADMILLS**

- RT PHYSICAL EXERCISE
- PHYSICAL FITNESS
- PHYSICAL WORK
- PHYSIOLOGICAL TESTS

**TREADS**

- RT STAIRWAYS
- TIRES
- VEHICULAR TRACKS

**TREAT (TEST FACILITY)**

- USE TRANSIENT REACTOR TEST FACILITY

**∞ TREATMENT**

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- UF CONDITIONING (TREATING)
- RT AIR CONDITIONING
  - CLINICAL MEDICINE
  - HEAT TREATMENT
  - PREWHITENING
  - SEWAGE TREATMENT
  - THERMOMECHANICAL TREATMENT
  - WASTE TREATMENT
  - WATER TREATMENT

**TREE RING DATING**

- USE DENDROCHRONOLOGY

**∞ TREES**

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)
- RT CONIFERS
  - TREES (MATHEMATICS)
  - TREES (PLANTS)

**TREES (MATHEMATICS)**

- GS TREES (MATHEMATICS)
  - . FAULT TREES
- RT ANALYSIS (MATHEMATICS)
  - CIRCUITS
  - GRAPH THEORY
  - GRAPHS (CHARTS)
  - PETRI NETS
  - SNEAK CIRCUIT ANALYSIS
  - TOPOLOGY
  - ∞ TREES

**TREES (PLANTS)**

- GS PLANTS (BOTANY)
  - . TREES (PLANTS)
  - . . CITRUS TREES
  - . . . CONIFERS
  - . . . . DECIDUOUS TREES
- RT BALSA
  - CANOPIES (VEGETATION)
  - CHAPARRAL
  - CLEARINGS (OPENINGS)
  - DEFOLIANTS
  - DEFOLIATION
  - DENDROCHRONOLOGY
  - FORESTS
  - GEOBOTANY
  - HERBICIDES
  - LOGGING (INDUSTRY)
  - MASONITE (TRADEMARK)
  - ORCHARDS
  - PHREATOPHYTES
  - PLYWOOD
  - SILVICULTURE
  - TIMBER IDENTIFICATION
  - TIMBER INVENTORY
  - TIMBER VIGOR
  - TIMBERLINE
  - ∞ TREES
  - VEGETATION
  - WOOD

**TREMORS**

- RT EARTHQUAKE RESISTANCE
- EARTHQUAKES
- PARALYSIS
- PARKINSON DISEASE
- ROUSE BELTS

**TRENDS**

- RT EXTRAPOLATION
- FORECASTING
- GROWTH
- PERIODIC VARIATIONS
- ∞ PROJECTION
- TIME SERIES ANALYSIS

**TRESCA FLOW**

- GS FLUID FLOW
  - . PLASTIC FLOW
  - . . TRESCA FLOW
- RT DUCTILITY
- STABILITY
- YIELD POINT

**TRIACETIN**

- GS ACETATES
  - . TRIACETIN
- ESTERS
- . TRIACETIN

**TRIACETIN-(CONT.)**

- RT ACETIC ACID
- GLYCEROLS
- PLASTICIZERS
- SOLVENTS

**TRIAMINO GUANIDINENITRATE**

- USE TAGN

**TRIAMINO GUANIDINIUM AZIDE**

- GS AMINES
  - . DIAMINES
  - . . GUANIDINES
  - . . . TRIAMINO GUANIDINIUM AZIDE
- NITROGEN COMPOUNDS
- . AZIDES (ORGANIC)
- . . TRIAMINO GUANIDINIUM AZIDE

**TRIAMINOTRINITROBENZENE**

- USE TATB

**TRIANGLES**

- GS GEOMETRY
  - . EUCLIDEAN GEOMETRY
  - . . POLYGONS
  - . . . TRIANGLES
- RT TETRAHEDRONS
- TRIGONOMETRY

**TRIANGULAR WINGS**

- USE DELTA WINGS

**TRIANGULATION**

- RT ANGLES (GEOMETRY)
- MAPPING
- NAVIGATION
- TRIGONOMETRY
- WILDLIFE RADIOLOCATION

**TRIATOMIC MOLECULES**

- GS MOLECULES
  - . POLYATOMIC MOLECULES
  - . . TRIATOMIC MOLECULES
- RT DIATOMIC MOLECULES

**TRIAxIAL STRESSES**

- UF TRIAXIALITY
- GS STRESSES
  - . TRIAXIAL STRESSES
- RT MECHANICAL PROPERTIES
- TENSILE STRESS

**TRIAxIALITY**

- USE TRIAXIAL STRESSES

**TRIBOLIA**

- GS ANIMALS
  - . INVERTEBRATES
  - . . ARTHROPODS
  - . . . INSECTS
  - . . . . COLEOPTERA
  - . . . . . BEETLES
  - . . . . . TRIBOLIA

**TRIBOLOGY**

- RT ABRASION
- CORROSION
- EROSION
- EROSIVE BURNING
- FRETTING
- FRICTION
- INTERFACIAL TENSION
- LUBRICATION
- TRIBOLUMINESCENCE
- WEAR

**TRIBOLUMINESCENCE**

- GS EMISSION
  - . LIGHT EMISSION
  - . . LUMINESCENCE
  - . . . PHOTOLUMINESCENCE
  - . . . . TRIBOLUMINESCENCE
- RT FLUORESCENCE
- FRICTION
- MECHANICAL PROPERTIES
- PHOTOLUMINESCENT BANDS
- STRESSES
- TRIBOLOGY

**TRIBUTARIES**

- RT DRAINAGE PATTERNS
- EARTH RESOURCES
- ESTUARIES
- RIVERS

## TRICHLORIDES

**TRICHLORIDES**  
USE CHLORIDES

**TRIDENT AIRCRAFT**  
USE DH 121 AIRCRAFT

**TRIDENT SUBMARINE**  
GS WATER VEHICLES  
  SHIPS  
  SUBMARINES  
  TRIDENT SUBMARINE  
  UNDERWATER VEHICLES  
  SUBMARINES  
  TRIDENT SUBMARINE  
RT NAVY  
  NUCLEAR PROPULSION

**TRIENES**  
GS ORGANIC COMPOUNDS  
  HYDROCARBONS  
  ALIPHATIC HYDROCARBONS  
  ALKENES  
  TRIENES

**TRIETHYL COMPOUNDS**  
GS ALKYL COMPOUNDS  
  TRIETHYL COMPOUNDS  
RT  $\infty$  CHEMICAL COMPOUNDS  
  ETHYL COMPOUNDS

**TRIFLUOROAMINE OXIDE**  
GS AMINES  
  FLUOROAMINES  
  TRIFLUOROAMINE OXIDE  
  HALOGEN COMPOUNDS  
  FLUORINE COMPOUNDS  
  FLUORO COMPOUNDS  
  FLUORINE ORGANIC COMPOUNDS  
  FLUOROAMINES  
  TRIFLUOROAMINE OXIDE  
  ORGANIC COMPOUNDS  
  FLUORINE ORGANIC COMPOUNDS  
  FLUOROAMINES  
  TRIFLUOROAMINE OXIDE

**TRIGATRONS**  
GS SWITCHES  
  TRIGATRONS  
RT  $\infty$  GAS TUBES  
  PULSE MODULATION  
  SPARK GAPS  
  TRIGGER CIRCUITS

**TRIGGER CIRCUITS**  
GS CIRCUITS  
  TRIGGER CIRCUITS  
RT BISTABLE CIRCUITS  
  GATES (CIRCUITS)  
  MULTIVIBRATORS  
  THRESHOLD GATES  
  THRESHOLD LOGIC  
  THYRISTORS  
  TRIGATRONS

**TRIGGERS**  
USE ACTUATORS

**TRIGONOMETRIC FUNCTIONS**  
GS ANALYSIS (MATHEMATICS)  
  REAL VARIABLES  
  PERIODIC FUNCTIONS  
  TRIGONOMETRIC FUNCTIONS  
  COSINE SERIES  
  SINE SERIES  
  TANGENTS  
  FUNCTIONS (MATHEMATICS)  
  TRANSCENDENTAL FUNCTIONS  
  PERIODIC FUNCTIONS  
  TRIGONOMETRIC FUNCTIONS  
  COSINE SERIES  
  SINE SERIES  
  TANGENTS  
RT FRESNEL INTEGRALS  
  SINE WAVES  
  TRIGONOMETRY

**TRIGONOMETRY**  
GS GEOMETRY  
  EUCLIDEAN GEOMETRY  
  ANALYTIC GEOMETRY  
  TRIGONOMETRY  
RT ANGLES (GEOMETRY)  
  SCIENCE  
  TRIANGLES

**TRIGONOMETRY-(CONT.)**  
TRIANGULATION  
TRIGONOMETRIC FUNCTIONS

**TRIM (BALANCE)**  
USE AERODYNAMIC BALANCE

**TRIMERS**  
GS PREPOLYMERS  
  TRIMERS  
RT DIMERS  
  MONOMERS

**TRIMETHADIONE**  
GS DRUGS  
  TRIMETHADIONE  
  KETONES  
  TRIMETHADIONE  
  ORGANIC COMPOUNDS  
  CYCLIC COMPOUNDS  
  HETEROCYCLIC COMPOUNDS  
  TRIMETHADIONE

**TRIMETHYL COMPOUNDS**  
GS ALKYL COMPOUNDS  
  TRIMETHYL COMPOUNDS  
RT  $\infty$  CHEMICAL COMPOUNDS  
  METHYL COMPOUNDS

**TRINIDAD AND TOBAGO**  
GS LANDFORMS  
  ISLANDS  
  WEST INDIES  
  TRINIDAD AND TOBAGO  
  NATIONS  
  TRINIDAD AND TOBAGO  
RT CARIBBEAN REGION  
  SOUTH AMERICA

**TRINITRAMINE**  
GS AMINES  
  TRINITRAMINE  
  NITROGEN COMPOUNDS  
  TRINITRAMINE

**TRINITRO COMPOUNDS**  
GS NITROGEN COMPOUNDS  
  NITRO COMPOUNDS  
  TRINITRO COMPOUNDS  
RT  $\infty$  CHEMICAL COMPOUNDS

**TRINITROTOLUENE**  
UF TNT (TRINITROTOLUENE)  
GS EXPLOSIVES  
  TRINITROTOLUENE  
  NITROGEN COMPOUNDS  
  NITRO COMPOUNDS  
  NITROBENZENES  
  TRINITROTOLUENE  
RT EXPOSURE

**TRINITROTRIAZOCYCLOHEXANE**  
USE RDX

**TRIODES**  
RT CATT DEVICES  
  DIODES  
  ELECTRON TUBES  
  MICROWAVE TUBES  
  SEMICONDUCTOR DEVICES  
  TETRODES  
  THYRISTORS  
  TRANSISTORS

**TRIOLS**  
GS HYDROXYL COMPOUNDS  
  ALCOHOLS  
  TRIOLS  
  CYANURIC ACID

**TRIPHENYL SILICON**  
GS ORGANIC COMPOUNDS  
  ORGANIC SILICON COMPOUNDS  
  TRIPHENYL SILICON  
  SILICON COMPOUNDS  
  ORGANIC SILICON COMPOUNDS  
  TRIPHENYL SILICON

**TRIPHENYLS**  
GS ORGANIC COMPOUNDS  
  HYDROCARBONS  
  TRIPHENYLS  
  PHENYLS  
  POLYPHENYLS

**TRIPHENYLS-(CONT.)**  
TRIPHENYLS

**TRIPLE AXIS SPECTROMETERS**  
USE NEUTRON SPECTROMETERS

**TRIPLET EXCITATION**  
USE ATOMIC ENERGY LEVELS

**TRIPLET STATE**  
USE ATOMIC ENERGY LEVELS

**TRIPODS**  
GS SUPPORTS  
  TRIPODS  
RT OPTICAL EQUIPMENT

**TRIPROPELLANTS**  
USE LIQUID ROCKET PROPELLANTS

**TRISONIC WIND TUNNELS**  
GS TEST FACILITIES  
  WIND TUNNELS  
  TRISONIC WIND TUNNELS  
RT SLOTTED WIND TUNNELS  
  TRANSONIC FLOW  
  WIND TUNNEL TESTS

**TRITIUM**  
UF HYDROGEN 3  
GS CHEMICAL ELEMENTS  
  HYDROGEN  
  HYDROGEN ISOTOPES  
  TRITIUM  
  NUCLIDES  
  ISOTOPES  
  HYDROGEN ISOTOPES  
  TRITIUM  
  RADIOACTIVE ISOTOPES  
  TRITIUM  
  GASES  
  HYDROGEN  
  HYDROGEN ISOTOPES  
  TRITIUM  
RT HEAVY WATER  
  NUCLEAR FUELS

**TRITON**  
GS CELESTIAL BODIES  
  NATURAL SATELLITES  
  TRITON  
RT GALILEAN SATELLITES  
  NEPTUNE (PLANET)  
  NEPTUNE ATMOSPHERE  
  SATELLITE ATMOSPHERES  
  TITAN

**TRITONS**  
GS IONS  
  TRITONS  
RT ALPHA PARTICLES  
  PROTONS

**TRIVALENT IONS**  
GS IONS  
  TRIVALENT IONS  
RT FREE RADICALS  
  POSITIVE IONS  
  VALENCE

**TROCHOIDS**  
USE PIVOTS

**TROILITE**  
GS CHALCOGENIDES  
  SULFIDES  
  PYRRHOTITE  
  TROILITE  
  IRON COMPOUNDS  
  PYRRHOTITE  
  TROILITE  
  MINERALS  
  PYRRHOTITE  
  TROILITE  
  SULFUR COMPOUNDS  
  SULFIDES  
  PYRRHOTITE  
  TROILITE  
RT IRON METEORITES  
  METEORITIC COMPOSITION

**TROJAN AIRCRAFT**  
USE T-28 AIRCRAFT

**TROJAN ORBITS**

- GS ORBITS
  - . SPACECRAFT ORBITS
- RT **TROJAN ORBITS**
  - . CELESTIAL MECHANICS
  - . MANY BODY PROBLEM
  - . THREE BODY PROBLEM

**TROMBE WALLS**

- GS WALLS
  - . **TROMBE WALLS**
- RT ENERGY TECHNOLOGY
  - . HEAT STORAGE
  - . PHASE CHANGE MATERIALS
  - . RADIATIVE HEAT TRANSFER
  - . SOLAR ENERGY ABSORBERS
  - . SOLAR HEATING
  - . SOLAR HOUSES
  - . THERMAL INSULATION

**TROPICAL METEOROLOGY**

- GS METEOROLOGY
  - . **TROPICAL METEOROLOGY**
- RT AGROMETEOROLOGY
  - . EL NINO
  - . EQUATORIAL ATMOSPHERE
  - . GARP ATLANTIC TROPICAL EXPERIMENT
  - . INTERTROPICAL CONVERGENT ZONES
  - . METEOROLOGICAL PARAMETERS

**TROPICAL REGIONS**

- UF JUNGLES
  - . LOW LATITUDES
  - . SUBTROPICAL REGIONS
  - . TROPICS
- GS REGIONS
  - . **TROPICAL REGIONS**
  - . . . AMAZON REGION (SOUTH AMERICA)
- RT CLIMATOLOGY
  - . EQUATORIAL ATMOSPHERE
  - . EQUATORIAL REGIONS
  - . GARP ATLANTIC TROPICAL EXPERIMENT
  - . GEOGRAPHY
  - . HOT WEATHER
  - . INTERTROPICAL CONVERGENT ZONES
  - . LATERITES
  - . LOMONOSOV CURRENT
  - . METEOROLOGY
  - . RAIN FORESTS
  - . TEMPERATE REGIONS
  - . VIRGIN ISLANDS

**TROPICAL STORMS**

- GS STORMS
  - . STORMS (METEOROLOGY)
  - . . . **TROPICAL STORMS**
  - . . . HURRICANES
  - . . . . ANNA HURRICANE
  - . . . TYPHOONS
- RT ATMOSPHERIC CIRCULATION
  - . CYCLONES
  - . METEOROLOGY
  - . STORM DAMAGE
  - . TORNADOES

**TROPICS**

- USE TROPICAL REGIONS

**TROPISM**

- GS **TROPISM**
  - . AEOLOTROPISM
  - . GEOTROPISM
  - . GRAVITROPISM
  - . GYROTROPISM
  - . NEUROTROPISM

**TROPOPAUSE**

- SN (ALTITUDE APPROXIMATELY 15 TO 20 KM)
- GS EARTH ATMOSPHERE
  - . LOWER ATMOSPHERE
  - . . . TROPOSPHERE
  - . . . **TROPOPAUSE**
- RT DIURNAL VARIATIONS
  - . ISOTHERMAL LAYERS
  - . MIDDLE ATMOSPHERE

**TROPOSPHERE**

- SN (GROUND LEVEL TO APPROXIMATELY 15 KM)
- GS EARTH ATMOSPHERE
  - . LOWER ATMOSPHERE
  - . . . TROPOSPHERE
  - . . . TROPOPAUSE
- RT CHEMOSPHERE

**TROPOSPHERE-(CONT.)**

- HOMOSPHERE
- INTASAT SATELLITE

**TROPOSPHERIC RADIATION**

- SN (EXCLUDES TERRESTRIAL RADIATION)
- GS ATMOSPHERIC RADIATION
  - . **TROPOSPHERIC RADIATION**
  - . ELECTROMAGNETIC RADIATION
  - . . . **TROPOSPHERIC RADIATION**
- RT  $\infty$  RADIATION
  - . SKY RADIATION
  - . STRATOSPHERE RADIATION
  - . TERRESTRIAL RADIATION

**TROPOSPHERIC SCATTERING**

- GS SCATTERING
  - . WAVE SCATTERING
  - . . . ATMOSPHERIC SCATTERING
  - . . . **TROPOSPHERIC SCATTERING**
- RT LIGHT SCATTERING
  - . WIDEBAND COMMUNICATION

**TROPOSPHERIC WAVES**

- SN (EXCLUDES RADIO WAVES)
- GS **TROPOSPHERIC WAVES**
  - . PLANETARY WAVES
- RT ELASTIC WAVES
  - . LEE WAVES
  - . RADIO WAVES
  - . SURFACE WAVES
  - .  $\infty$  WAVES

**TROPYL COMPOUNDS**

- GS BASES (CHEMICAL)
  - . ALKALOIDS
  - . . . **TROPYL COMPOUNDS**
  - . NITROGEN COMPOUNDS
  - . . . ALKALOIDS
  - . . . **TROPYL COMPOUNDS**
  - . ORGANIC COMPOUNDS
  - . CYCLIC COMPOUNDS
  - . . . HETEROCYCLIC COMPOUNDS
  - . . . ALKALOIDS
  - . . . . **TROPYL COMPOUNDS**
- RT  $\infty$  CHEMICAL COMPOUNDS

**TROUBLESHOOTING**

- USE MAINTENANCE

**TROUGHS**

- RT CANALS
  - . DITCHES
  - . IRRIGATION
  - . LOW PRESSURE

**TRUCKS**

- SN (EXCLUDES UNDERCARRIAGES)
- UF VANS
- GS SURFACE VEHICLES
  - . MOTOR VEHICLES
  - . . . **TRUCKS**
  - . . . TANK TRUCKS
- RT ANTISKID DEVICES
  - . AUTOMOBILES
  - . CARGO
  - . DELIVERY
  - . DOLLIES
  - . ELECTRIC MOTOR VEHICLES
  - . GROUND HANDLING
  - . HAULING
  - . MATERIALS HANDLING
  - . MILITARY VEHICLES
  - . RECOVERY VEHICLES
  - . TRACTORS
  - . TRAILERS
  - . TRANSPORTATION
  - . TRANSPORTATION ENERGY

**TRUNCATION (MATHEMATICS)**

- USE APPROXIMATION

**TRUNCATION ERRORS**

- GS ANALYSIS (MATHEMATICS)
  - . NUMERICAL ANALYSIS
  - . . . **TRUNCATION ERRORS**
  - . ERRORS
  - . . . **TRUNCATION ERRORS**
- RT PRECISION

**TRUNKS (LINES)**

- USE TRANSMISSION LINES

**TRUNNIONS**

- USE SHAFTS (MACHINE ELEMENTS)

**TRUSSES**

- GS STRUCTURAL MEMBERS
  - . **TRUSSES**
- RT ARCHES
  - . BEAMS (SUPPORTS)
  - . CONSTRUCTION INDUSTRY
  - . FRAMES
  - . GIRDERS
  - . I BEAMS
  - . LOOPS
  - . MAXWELL-MOHR METHOD
  - . MEGAMECHANICS
  - .  $\infty$  STRUCTURES
  - . STRUTS
  - . SUPPORTS
  - . TIMOSHENKO BEAMS

**TRYPANOSOME**

- GS ANIMALS
  - . PROTOZOA
  - . . . FLAGELLATA
  - . . . **TRYPANOSOME**
  - . MICROORGANISMS
  - . PROTOZOA
  - . . . FLAGELLATA
  - . . . **TRYPANOSOME**
  - . PARASITES
  - . . . **TRYPANOSOME**
- RT PARASITIC DISEASES

**TRYPSIN**

- GS BIOPOLYMERS
  - . PROTEINS
  - . ENZYMES
  - . . . **TRYPSIN**
  - . ORGANIC COMPOUNDS
  - . PROTEINS
  - . ENZYMES
  - . . . **TRYPSIN**
- RT PANCREAS

**TRYPTAMINES**

- GS AMINES
  - . **TRYPTAMINES**
  - . . . SEROTONIN

**TRYPTOPHAN**

- GS ACIDS
  - . AMINO ACIDS
  - . . . **TRYPTOPHAN**
  - . CARBOXYLIC ACIDS
  - . . . **TRYPTOPHAN**
  - . NITROGEN COMPOUNDS
  - . . . **TRYPTOPHAN**
  - . ORGANIC COMPOUNDS
  - . AMINO ACIDS
  - . . . **TRYPTOPHAN**
  - . CARBOXYLIC ACIDS
  - . . . **TRYPTOPHAN**
  - . CYCLIC COMPOUNDS
  - . . . HETEROCYCLIC COMPOUNDS
  - . . . AZOLES
  - . . . . PYRROLES
  - . . . . INDOLES
  - . . . . . **TRYPTOPHAN**

**TS-11 AIRCRAFT**

- UF ISKRA AIRCRAFT
  - . POLISH TS-11 AIRCRAFT
- GS JET AIRCRAFT
  - . **TS-11 AIRCRAFT**
  - . MONOPLANES
  - . . . **TS-11 AIRCRAFT**
  - . TRAINING AIRCRAFT
  - . . . **TS-11 AIRCRAFT**
- RT  $\infty$  AIRCRAFT

**TSR-2 AIRCRAFT**

- UF BAC TSR 2 AIRCRAFT
  - . ATTACK AIRCRAFT
  - . **TSR-2 AIRCRAFT**
  - . BAC AIRCRAFT
  - . . . **TSR-2 AIRCRAFT**
  - . JET AIRCRAFT
  - . . . **TSR-2 AIRCRAFT**
  - . MONOPLANES
  - . . . **TSR-2 AIRCRAFT**
  - . OBSERVATION AIRCRAFT
  - . . . **TSR-2 AIRCRAFT**
  - . RECONNAISSANCE AIRCRAFT
  - . . . **TSR-2 AIRCRAFT**
  - . SUPERSONIC AIRCRAFT

## TSUNAMI WAVES

### TSR-2 AIRCRAFT-(CONT.)

- . TSR-2 AIRCRAFT
- TERRAIN FOLLOWING AIRCRAFT
- . TSR-2 AIRCRAFT
- RT  $\infty$  AIRCRAFT

### TSUNAMI WAVES

- RT EARTH MOVEMENTS
- EARTHQUAKE DAMAGE
- EARTHQUAKES
- FRONTAL WAVES
- SEISMIC WAVES
- SHOCK WAVES
- SURFACE WAVES
- TIDAL WAVES
- WATER WAVES

### TTL INTEGRATED CIRCUITS

- SN (TRANSISTOR-TRANSISTOR-LOGIC
- INTEGRATED CIRCUITS)
- UF TRANSISTOR-TRANSISTOR-LOGIC INTEG
- CIRCUITS
- GS CIRCUITS
- . INTEGRATED CIRCUITS
- . TTL INTEGRATED CIRCUITS
- RT ELECTRONIC PACKAGING
- LARGE SCALE INTEGRATION
- MICROMINIATURIZATION
- MOLECULAR ELECTRONICS
- TRANSISTOR CIRCUITS

### TU-104 AIRCRAFT

- UF CAMEL AIRCRAFT
- GS COMMERCIAL AIRCRAFT
- . TU-104 AIRCRAFT
- JET AIRCRAFT
- . TU-104 AIRCRAFT
- MONOPLANES
- . TU-104 AIRCRAFT
- PASSENGER AIRCRAFT
- . TU-104 AIRCRAFT
- TUPOLEV AIRCRAFT
- . TU-104 AIRCRAFT
- RT  $\infty$  AIRCRAFT
- TU-154 AIRCRAFT

### TU-121 ENGINE

- GS ENGINES
- . ROCKET ENGINES
- . SOLID PROPELLANT ROCKET
- ENGINES
- . . . TU-121 ENGINE

### TU-124 AIRCRAFT

- UF COOKPOT AIRCRAFT
- GS COMMERCIAL AIRCRAFT
- . TU-124 AIRCRAFT
- JET AIRCRAFT
- . TU-124 AIRCRAFT
- MONOPLANES
- . TU-124 AIRCRAFT
- PASSENGER AIRCRAFT
- . TU-124 AIRCRAFT
- TRANSPORT AIRCRAFT
- . TU-124 AIRCRAFT
- TUPOLEV AIRCRAFT
- . TU-124 AIRCRAFT
- RT  $\infty$  AIRCRAFT
- TURBOFAN ENGINES

### TU-134 AIRCRAFT

- GS COMMERCIAL AIRCRAFT
- . TU-134 AIRCRAFT
- JET AIRCRAFT
- . TURBOFAN AIRCRAFT
- . . . TU-134 AIRCRAFT
- MONOPLANES
- . TU-134 AIRCRAFT
- PASSENGER AIRCRAFT
- . TU-134 AIRCRAFT
- TUPOLEV AIRCRAFT
- . TU-134 AIRCRAFT
- RT  $\infty$  AIRCRAFT

### TU-144 AIRCRAFT

- GS COMMERCIAL AIRCRAFT
- . SUPERSONIC COMMERCIAL AIR
- TRANSPORT
- . . . TU-144 AIRCRAFT
- JET AIRCRAFT
- . TURBOFAN AIRCRAFT
- . . . TU-144 AIRCRAFT
- PASSENGER AIRCRAFT
- . TU-144 AIRCRAFT
- TRANSPORT AIRCRAFT

### TU-144 AIRCRAFT-(CONT.)

- . TU-144 AIRCRAFT
- RT  $\infty$  AIRCRAFT

### TU-154 AIRCRAFT

- GS COMMERCIAL AIRCRAFT
- . TU-154 AIRCRAFT
- TRANSPORT AIRCRAFT
- . TU-154 AIRCRAFT
- TUPOLEV AIRCRAFT
- . TU-154 AIRCRAFT
- RT  $\infty$  AIRCRAFT
- AIRCRAFT DESIGN
- CARGO AIRCRAFT
- JET AIRCRAFT
- PASSENGER AIRCRAFT
- TU-104 AIRCRAFT

### TUBE ANODES

- GS ELECTRODES
- . ANODES
- . . . TUBE ANODES
- RT CATHODES
- ELECTRODE MATERIALS
- ELECTRON GUNS

### TUBE CATHODES

- GS ELECTRODES
- . CATHODES
- . . . TUBE CATHODES
- . . . COLD CATHODES
- . . . HOT CATHODES
- . . . PHOTOCATHODES
- . . . THERMIONIC CATHODES
- . . . TUNNEL CATHODES
- RT COLD CATHODE TUBES
- ELECTRON GUNS
- HOLLOW CATHODES

### TUBE GRIDS

- GS ELECTRODES
- . TUBE GRIDS
- RT BIAS
- ELECTRON GUNS
- ELECTRON TUBES
- $\infty$  GRIDS
- IONIZERS

### TUBE HEAT EXCHANGERS

- GS HEAT EXCHANGERS
- . TUBE HEAT EXCHANGERS
- RT REGENERATORS

### TUBE LASERS

- RT CHEMICAL LASERS
- GASDYNAMIC LASERS
- LASER OUTPUTS
- PULSED LASERS
- SHOCK TUBES
- WAVEGUIDE LASERS

### TUBERCULOSIS

- GS DISEASES
- . INFECTIOUS DISEASES
- . . . BACTERIAL DISEASES
- . . . TUBERCULOSIS
- . . . RESPIRATORY DISEASES
- . . . TUBERCULOSIS

### $\infty$ TUBES

- SN (USE OF A MORE SPECIFIC TERM IS
- RECOMMENDED--CONSULT THE TERMS
- LISTED BELOW)
- RT BOURDON TUBES
- BRONCHI
- BURETTES
- CANNULAE
- CAPILLARY TUBES
- CIRCULAR TUBES
- DUCTS
- ELECTRON TUBES
- EUSTACHIAN TUBES
- HILSCH TUBES
- HOSES
- LININGS
- MANIFOLDS
- MICROWAVE TUBES
- PIPES (TUBES)
- PITOT TUBES
- SHOCK TUBES
- SIPHONS
- TRACHEA
- VENTURI TUBES

### TUBING

- USE PIPES (TUBES)

### TUMBLING MOTION

- RT ATTITUDE STABILITY
- DESTABILIZATION
- MIXERS
- $\infty$  MOTION
- ROTATING ENVIRONMENTS
- SATELLITE ROTATION
- $\infty$  SEPARATION
- SPACECRAFT MOTION
- SPACECRAFT STABILITY

### TUMORS

- GS DISEASES
- . TUMORS
- . . . NEOPLASMS
- . . . CANCER
- . . . . . LEUKEMIAS
- RT CYSTS
- OCCUPATIONAL DISEASES

### TUNABLE LASERS

- GS STIMULATED EMISSION DEVICES
- . LASERS
- . . . TUNABLE LASERS
- RT DIFFRACTION RADIATION
- LIGHT MODULATION
- OPTICAL COMMUNICATION
- TUNING
- WIGGLER MAGNETS

### TUNDRA

- GS LAND
- . PLAINS
- . . . TUNDRA
- LANDFORMS
- . TUNDRA
- RT ARCTIC REGIONS
- ASIA
- GEOGRAPHY
- NORTH AMERICA

### TUNERS

- GS TUNERS
- . WAVEGUIDE TUNERS
- RADIO RECEIVERS
- RESONANCE PROBES
- RESONANT FREQUENCIES
- TELEVISION RECEIVERS

### TUNGSTATES

- GS TUNGSTEN COMPOUNDS
- . TUNGSTATES
- . . . CALCIUM TUNGSTATES
- . . . LEAD TUNGSTATES
- . . . ZINC TUNGSTATES

### TUNGSTEN

- UF WOLFRAM
- GS CHEMICAL ELEMENTS
- . TUNGSTEN
- METALS
- . REFRACTORY METALS
- . . . TUNGSTEN
- . . . TRANSITION METALS
- . . . TUNGSTEN
- REFRACTORY MATERIALS
- . REFRACTORY METALS
- . . . TUNGSTEN

### TUNGSTEN ALLOYS

- GS ALLOYS
- . HEAT RESISTANT ALLOYS
- . . . REFRACTORY METAL ALLOYS
- . . . TUNGSTEN ALLOYS
- REFRACTORY MATERIALS
- . REFRACTORY METAL ALLOYS
- . . . TUNGSTEN ALLOYS
- RT HAFNIUM ALLOYS
- STELLITE (TRADEMARK)

### TUNGSTEN CARBIDES

- GS CARBON COMPOUNDS
- . CARBIDES
- . . . TUNGSTEN CARBIDES
- TUNGSTEN COMPOUNDS
- . TUNGSTEN CARBIDES

### TUNGSTEN CHLORIDES

- GS HALOGEN COMPOUNDS
- . CHLORINE COMPOUNDS
- . . . CHLORIDES

## TURBINE PUMPS

### TUNGSTEN CHLORIDES-(CONT.)

... TUNGSTEN CHLORIDES  
... HALIDES  
... CHLORIDES  
... TUNGSTEN CHLORIDES  
... METAL HALIDES  
... TUNGSTEN HALIDES  
... TUNGSTEN CHLORIDES  
TUNGSTEN COMPOUNDS  
... TUNGSTEN HALIDES  
... TUNGSTEN CHLORIDES

### TUNGSTEN COMPOUNDS

GS TUNGSTEN COMPOUNDS  
... TUNGSTATES  
... CALCIUM TUNGSTATES  
... LEAD TUNGSTATES  
... ZINC TUNGSTATES  
... TUNGSTEN CARBIDES  
... TUNGSTEN HALIDES  
... TUNGSTEN CHLORIDES  
... TUNGSTEN FLUORIDES  
... TUNGSTEN OXIDES  
... SCHEELITE  
RT ∞ CHEMICAL COMPOUNDS  
∞ GROUP 6B COMPOUNDS  
∞ METAL COMPOUNDS

### TUNGSTEN FLUORIDES

GS HALOGEN COMPOUNDS  
... FLUORINE COMPOUNDS  
... FLUORIDES  
... METAL FLUORIDES  
... TUNGSTEN FLUORIDES  
... HALIDES  
... METAL HALIDES  
... TUNGSTEN HALIDES  
... TUNGSTEN FLUORIDES  
TUNGSTEN COMPOUNDS  
... TUNGSTEN HALIDES  
... TUNGSTEN FLUORIDES

### TUNGSTEN HALIDES

GS HALOGEN COMPOUNDS  
... HALIDES  
... METAL HALIDES  
... TUNGSTEN HALIDES  
... TUNGSTEN CHLORIDES  
... TUNGSTEN FLUORIDES  
TUNGSTEN COMPOUNDS  
... TUNGSTEN HALIDES  
... TUNGSTEN FLUORIDES

### TUNGSTEN INERT GAS WELDING

USE GAS TUNGSTEN ARC WELDING

### TUNGSTEN ISOTOPE

GS METALS  
... REFRACTORY METALS  
... TUNGSTEN ISOTOPE  
... TRANSITION METALS  
... TUNGSTEN ISOTOPE  
REFRACTORY MATERIALS  
... REFRACTORY METALS  
... TUNGSTEN ISOTOPE

### TUNGSTEN OXIDES

GS CHALCOGENIDES  
... OXIDES  
... METAL OXIDES  
... TUNGSTEN OXIDES  
... SCHEELITE  
TUNGSTEN COMPOUNDS  
... TUNGSTEN OXIDES  
... SCHEELITE

### TUNGUSK METEORITE

GS CELESTIAL BODIES  
... METEORITES  
... STONY METEORITES  
... TUNGUSK METEORITE  
RT METEORITE CRATERS

### TUNING

GS TUNING  
... SCHULER TUNING  
RT AUTOMATIC FREQUENCY CONTROL  
AUTOMATIC GAIN CONTROL  
DYE LASERS  
Q FACTORS  
RESONANCE  
RESONANT FREQUENCIES  
RESONATORS  
TUNABLE LASERS

### TUNING FORK GYROSCOPES

GS GYROSCOPES  
... TUNING FORK GYROSCOPES  
RT RESONATORS

### TUNISIA

GS NATIONS  
... TUNISIA  
RT AFRICA

### TUNNEL CATHODES

GS ELECTRODES  
... CATHODES  
... TUBE CATHODES  
... TUNNEL CATHODES  
RT COLD CATHODE TUBES  
COLD CATHODES  
ELECTRON TUBES  
HOLLOW CATHODES  
∞ TUNNELS

### TUNNEL DIODES

UF ESAKI DIODES  
GS ELECTRONIC EQUIPMENT  
... DIODES  
... SEMICONDUCTOR DIODES  
... TUNNEL DIODES  
RT ELECTRON TUNNELING  
JUNCTION DIODES  
MIM DIODES  
NEGATIVE CONDUCTANCE  
NEGATIVE RESISTANCE CIRCUITS  
∞ TUNNELS

### TUNNEL RESISTORS

USE ELECTRON TUNNELING  
RESISTORS

### ∞ TUNNELING

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT ELECTRON TUNNELING  
TUNNELING (EXCAVATION)

### TUNNELING (EXCAVATION)

GS EXCAVATION  
... TUNNELING (EXCAVATION)  
RT BEDROCK  
CONSTRUCTION  
DRAINAGE  
DRILLING  
JACKS (LIFTS)  
LINING PROCESSES  
ROCKS  
SOILS  
∞ TUNNELING  
UNDERGROUND STRUCTURES

### ∞ TUNNELS

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)

RT GAPS  
HYDRAULIC TEST TUNNELS  
LUNAR SHELTERS  
PASSAGEWAYS  
STREETS  
TRANSFER TUNNELS  
TUNNEL CATHODES  
TUNNEL DIODES  
WIND TUNNELS

### TUPOLEV AIRCRAFT

GS TUPOLEV AIRCRAFT  
... TU-104 AIRCRAFT  
... TU-124 AIRCRAFT  
... TU-134 AIRCRAFT  
... TU-154 AIRCRAFT  
RT ∞ AIRCRAFT

### TURBIDITY

GS ELECTROMAGNETIC PROPERTIES  
... OPTICAL PROPERTIES  
... TURBIDITY  
RT ABSORPTANCE  
CLARITY  
HAZE  
LIGHT TRANSMISSION  
OPACITY  
OPTICAL DENSITY  
∞ PROPERTIES  
SOLUBILITY  
TRANSPARENCY

### TURBINE BLADES

GS TURBOMACHINE BLADES  
... TURBINE BLADES  
RT ∞ BLADES  
COMPRESSOR BLADES  
ENGINE PARTS  
FAN BLADES  
ROTOR BLADES (TURBOMACHINERY)  
STATOR BLADES  
TURBINES

### TURBINE ENGINES

GS ENGINES  
... TURBINE ENGINES  
... GAS TURBINE ENGINES  
... JET ENGINES  
... RAMJET ENGINES  
... LOW VOLUME RAMJET ENGINES  
... PULSEJET ENGINES  
... SUPERSONIC COMBUSTION  
... RAMJET ENGINES  
... TURBORAMJET ENGINES  
... T-63 ENGINE  
... T-76 ENGINE  
... TURBOJET ENGINES  
... BRISTOL-SIDDELEY OLYMPUS  
... 593 ENGINE  
... BRISTOL-SIDDELEY VIPER  
... ENGINE  
... DUCTED FAN ENGINES  
... J-33 ENGINE  
... J-34 ENGINE  
... J-47 ENGINE  
... J-52 ENGINE  
... J-57 ENGINE  
... J-57-P-20 ENGINE  
... J-65 ENGINE  
... J-69-T-25 ENGINE  
... J-71 ENGINE  
... J-73 ENGINE  
... J-75 ENGINE  
... J-79 ENGINE  
... J-85 ENGINE  
... J-93 ENGINE  
... RA-28 ENGINE  
... TURBOFAN ENGINES  
... BRISTOL-SIDDELEY BS 53  
... ENGINE  
... CF-700 ENGINE  
... J-97 ENGINE  
... TF-30 ENGINE  
... TF-41 ENGINE  
... TURBOPROP ENGINES  
... T-34 ENGINE  
... T-38 ENGINE  
... T-53 ENGINE  
... T-56 ENGINE  
... T-64 ENGINE  
... T-74 ENGINE  
... T-78 ENGINE  
... TURBORAMJET ENGINES  
... T-58 ENGINE  
... T-58-GE-8B ENGINE  
RT AIRCRAFT ENGINES  
AUTOMOBILE ENGINES  
CONVERGENT NOZZLES  
GAS BEARINGS  
INTEGRAL ROCKET RAMJETS  
TORPEDO ENGINES

### TURBINE EXHAUST NOZZLES

GS EXHAUST NOZZLES  
... TURBINE EXHAUST NOZZLES  
RT CONICAL NOZZLES  
CONVERGENT-DIVERGENT NOZZLES

### TURBINE INSTRUMENTS

RT FLOWMETERS  
∞ INSTRUMENTS  
TURBOMACHINERY

### TURBINE PUMPS

UF TURBOPUMPS  
GS PUMPS  
... AXIAL FLOW PUMPS  
... TURBINE PUMPS  
TURBOMACHINERY  
... TURBINE PUMPS  
RT CENTRIFUGAL PUMPS  
FUEL PUMPS  
JET PUMPS  
PREBURNERS  
TURBINES  
TURBOCOMPRESSORS

## TURBINE WHEELS

### TURBINE WHEELS

UF ROTOR DISKS  
TURBOROTORS  
GS ROTATING BODIES  
ROTORS  
TURBINE WHEELS  
WHEELS  
TURBINE WHEELS  
RT COMPRESSOR ROTORS  
ENGINE PARTS  
HYDRAULIC EQUIPMENT  
IMPELLERS  
TURBINES  
TURBOMACHINE BLADES  
WATER WHEELS

### TURBINES

GS TURBOMACHINERY  
TURBINES  
AXIAL FLOW TURBINES  
GAS TURBINES  
SHROUDED TURBINES  
STEAM TURBINES  
SUPERSONIC TURBINES  
TWO STAGE TURBINES  
WIND TURBINES  
TIP VANES  
RT ENGINES  
GEOTHERMAL ENERGY CONVERSION  
GEOTHERMAL ENERGY EXTRACTION  
IMPELLERS  
IMPULSE GENERATORS  
JET ENGINE FUELS  
JET PROPULSION  
NOZZLES  
REFRACTORIES  
ROTATING GENERATORS  
ROTORS  
STATORS  
TURBINE BLADES  
TURBINE PUMPS  
TURBINE WHEELS  
TURBOGENERATORS  
TURBOSHAFTS

### TURBO-SKYVAN AIRCRAFT

USE SC-7 AIRCRAFT

### TURBOCHARGERS

USE SUPERCHARGERS  
TURBOCOMPRESSORS

### TURBOCOMPRESSORS

UF AXIAL COMPRESSORS  
AXIAL FLOW COMPRESSORS  
MULTISTAGE COMPRESSORS  
TURBOCHARGERS  
GS COMPRESSORS  
TURBOCOMPRESSORS  
TURBOMACHINERY  
TURBOCOMPRESSORS  
RT CENTRIFUGAL COMPRESSORS  
CENTRIFUGAL PUMPS  
COMPRESSOR BLADES  
COMPRESSOR ROTORS  
ROTATING STALLS  
ROTORS  
SUPERCHARGERS  
SUPERSONIC COMPRESSORS  
TRANSONIC COMPRESSORS  
TURBINE PUMPS  
TURBOFANS

### TURBOCONVERTERS

USE TURBOGENERATORS

### TURBOELECTRIC CONVERSION

USE TURBOGENERATORS

### TURBOFAN AIRCRAFT

GS JET AIRCRAFT  
TURBOFAN AIRCRAFT  
A-7 AIRCRAFT  
BAC 111 AIRCRAFT  
BOEING 707 AIRCRAFT  
BOEING 720 AIRCRAFT  
BOEING 727 AIRCRAFT  
BOEING 733 AIRCRAFT  
BOEING 737 AIRCRAFT  
BOEING 757 AIRCRAFT  
BOEING 767 AIRCRAFT  
C-141 AIRCRAFT  
CL-600 CHALLENGER AIRCRAFT  
CONCORDE AIRCRAFT  
CV-990 AIRCRAFT

### TURBOFAN AIRCRAFT-(CONT.)

DC 8 AIRCRAFT  
DH 121 AIRCRAFT  
DO-31 AIRCRAFT  
F-28 TRANSPORT AIRCRAFT  
F-111 AIRCRAFT  
IL-62 AIRCRAFT  
MYSTERE 20 AIRCRAFT  
P-1127 AIRCRAFT  
P-1154 AIRCRAFT  
SAAB 37 AIRCRAFT  
SAAB 105 AIRCRAFT  
SE-210 AIRCRAFT  
TU-134 AIRCRAFT  
TU-144 AIRCRAFT  
RT AIRCRAFT  
C-135 AIRCRAFT  
LOW WING AIRCRAFT  
MYSTERE 50 AIRCRAFT  
PASSENGER AIRCRAFT  
TRANSPORT AIRCRAFT  
TURBOPROP AIRCRAFT

### TURBOFAN ENGINES

GS ENGINES  
AIR BREATHING ENGINES  
GAS TURBINE ENGINES  
JET ENGINES  
TURBOJET ENGINES  
TURBOFAN ENGINES  
BRISTOL-SIDDELEY BS 53  
ENGINE  
CF-700 ENGINE  
J-97 ENGINE  
TF-41 ENGINE  
INTERNAL COMBUSTION ENGINES  
GAS TURBINE ENGINES  
JET ENGINES  
TURBOJET ENGINES  
TURBOFAN ENGINES  
BRISTOL-SIDDELEY BS 53  
ENGINE  
CF-700 ENGINE  
J-97 ENGINE  
TF-30 ENGINE  
TF-41 ENGINE  
TURBINE ENGINES  
GAS TURBINE ENGINES  
JET ENGINES  
TURBOJET ENGINES  
TURBOFAN ENGINES  
BRISTOL-SIDDELEY BS 53  
ENGINE  
CF-700 ENGINE  
J-97 ENGINE  
TF-30 ENGINE  
TF-41 ENGINE  
RT B-52 AIRCRAFT  
BOEING 747 AIRCRAFT  
BOEING 767 AIRCRAFT  
C-5 AIRCRAFT  
C-141 AIRCRAFT  
DC 10 AIRCRAFT  
DUCTED FAN ENGINES  
L-1011 AIRCRAFT  
P-1127 AIRCRAFT  
P-1154 AIRCRAFT  
TU-124 AIRCRAFT  
TURBOFANS  
TURBOPROP ENGINES

### TURBOFANS

GS TURBOMACHINERY  
TURBOFANS  
RT DUCTED FANS  
FANS  
LIFT FANS  
TURBOCOMPRESSORS  
TURBOFAN ENGINES

### TURBOGENERATORS

UF THERMAL POWER  
TURBOCONVERTERS  
TURBOELECTRIC CONVERSION  
GS ELECTRIC GENERATORS  
ROTATING GENERATORS  
TURBOGENERATORS  
ASTEC SOLAR TURBOELECTRIC  
GENERATOR  
TURBOMACHINERY  
TURBOGENERATORS  
ASTEC SOLAR TURBOELECTRIC  
GENERATOR  
RT AC GENERATORS  
CONVERSION

### TURBOGENERATORS-(CONT.)

ELECTRIC POWER  
ELECTRICAL ENGINEERING  
GAS TURBINE ENGINES  
GAS TURBINES  
GENERATORS  
GEOTHERMAL ENERGY CONVERSION  
GEOTHERMAL ENERGY EXTRACTION  
GEOTHERMAL ENERGY UTILIZATION  
HYDROELECTRIC POWER STATIONS  
HYDROELECTRICITY  
SNAP  
SNAP 1  
SNAP 2  
SNAP 8  
SOLAR GENERATORS  
SPACE POWER REACTORS  
SPACE POWER UNIT REACTORS  
STEAM TURBINES  
SUNFLOWER POWER SYSTEM  
TURBINES  
WIND TURBINES

### TURBOJET AIRCRAFT

USE JET AIRCRAFT

### TURBOJET ENGINE CONTROL

GS ENGINE CONTROL  
TURBOJET ENGINE CONTROL  
RT AIRCRAFT CONTROL  
AUTOMATIC CONTROL  
CONTROL  
FLIGHT CONTROL  
FUEL CONTROL  
REMOTE CONTROL  
SERVOCONTROL  
THRUST CONTROL

### TURBOJET ENGINES

GS ENGINES  
AIR BREATHING ENGINES  
GAS TURBINE ENGINES  
JET ENGINES  
TURBOJET ENGINES  
BRISTOL-SIDDELEY OLYMPUS  
593 ENGINE  
BRISTOL-SIDDELEY VIPER  
ENGINE  
DUCTED FAN ENGINES  
J-33 ENGINE  
J-34 ENGINE  
J-47 ENGINE  
J-57 ENGINE  
J-57-P-20 ENGINE  
J-65 ENGINE  
J-69-T-25 ENGINE  
J-71 ENGINE  
J-73 ENGINE  
J-75 ENGINE  
J-79 ENGINE  
J-85 ENGINE  
J-93 ENGINE  
RA-28 ENGINE  
TURBOFAN ENGINES  
BRISTOL-SIDDELEY BS 53  
ENGINE  
CF-700 ENGINE  
J-97 ENGINE  
TF-41 ENGINE  
TURBOPROP ENGINES  
T-53 ENGINE  
T-56 ENGINE  
T-64 ENGINE  
T-74 ENGINE  
TURBORAMJET ENGINES  
INTERNAL COMBUSTION ENGINES  
GAS TURBINE ENGINES  
JET ENGINES  
TURBOJET ENGINES  
BRISTOL-SIDDELEY OLYMPUS  
593 ENGINE  
BRISTOL-SIDDELEY VIPER  
ENGINE  
DUCTED FAN ENGINES  
J-33 ENGINE  
J-34 ENGINE  
J-47 ENGINE  
J-52 ENGINE  
J-57 ENGINE  
J-57-P-20 ENGINE  
J-65 ENGINE  
J-69-T-25 ENGINE  
J-71 ENGINE  
J-73 ENGINE  
J-75 ENGINE

**TURBOJET ENGINES-(CONT.)**

. . . . . J-79 ENGINE  
 . . . . . J-85 ENGINE  
 . . . . . J-93 ENGINE  
 . . . . . RA-28 ENGINE  
 . . . . . TURBOFAN ENGINES  
 . . . . . BRISTOL-SIDDELEY BS 53  
 . . . . . ENGINE  
 . . . . . CF-700 ENGINE  
 . . . . . J-97 ENGINE  
 . . . . . TF-30 ENGINE  
 . . . . . TF-41 ENGINE  
 . . . . . TURBOPROP ENGINES  
 . . . . . T-34 ENGINE  
 . . . . . T-38 ENGINE  
 . . . . . T-53 ENGINE  
 . . . . . T-56 ENGINE  
 . . . . . T-64 ENGINE  
 . . . . . T-74 ENGINE  
 . . . . . T-78 ENGINE  
 . . . . . TURBORAMJET ENGINES  
 . . . . . TURBINE ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . **TURBOJET ENGINES**  
 . . . . . BRISTOL-SIDDELEY OLYMPUS  
 . . . . . 593 ENGINE  
 . . . . . BRISTOL-SIDDELEY VIPER  
 . . . . . ENGINE  
 . . . . . DUCTED FAN ENGINES  
 . . . . . J-33 ENGINE  
 . . . . . J-34 ENGINE  
 . . . . . J-47 ENGINE  
 . . . . . J-52 ENGINE  
 . . . . . J-57 ENGINE  
 . . . . . J-57-P-20 ENGINE  
 . . . . . J-85 ENGINE  
 . . . . . J-69-T-25 ENGINE  
 . . . . . J-71 ENGINE  
 . . . . . J-73 ENGINE  
 . . . . . J-75 ENGINE  
 . . . . . J-79 ENGINE  
 . . . . . J-85 ENGINE  
 . . . . . J-93 ENGINE  
 . . . . . RA-28 ENGINE  
 . . . . . TURBOFAN ENGINES  
 . . . . . BRISTOL-SIDDELEY BS 53  
 . . . . . ENGINE  
 . . . . . CF-700 ENGINE  
 . . . . . J-97 ENGINE  
 . . . . . TF-30 ENGINE  
 . . . . . TF-41 ENGINE  
 . . . . . TURBOPROP ENGINES  
 . . . . . T-34 ENGINE  
 . . . . . T-38 ENGINE  
 . . . . . T-53 ENGINE  
 . . . . . T-56 ENGINE  
 . . . . . T-64 ENGINE  
 . . . . . T-74 ENGINE  
 . . . . . T-78 ENGINE  
 . . . . . TURBORAMJET ENGINES  
 RT CONVERGENT NOZZLES  
 HOUND DOG MISSILE  
 JET AIRCRAFT  
 MACE MISSILES  
 QUAIL MISSILE  
 RAMJET ENGINES  
 REGULUS MISSILE

**TURBOMACHINE BLADES**

GS **TURBOMACHINE BLADES**  
 . . . . . COMPRESSOR BLADES  
 . . . . . ROTOR BLADES (TURBOMACHINERY)  
 . . . . . STATOR BLADES  
 . . . . . TURBINE BLADES  
 RT AIRFOILS  
 ∞ BLADES  
 ∞ BUCKETS  
 CASCADE FLOW  
 FAN BLADES  
 IMPELLERS  
 PADDLES  
 ROTORS  
 TURBINE WHEELS  
 VANES

**TURBOMACHINERY**

GS **TURBOMACHINERY**  
 . . . . . CENTRIFUGAL COMPRESSORS  
 . . . . . CENTRIFUGAL PUMPS  
 . . . . . J-33 ENGINE  
 . . . . . TURBINE PUMPS  
 . . . . . TURBINES  
 . . . . . AXIAL FLOW TURBINES  
 . . . . . GAS TURBINES

**TURBOMACHINERY-(CONT.)**

. . . . . SHROUDED TURBINES  
 . . . . . STEAM TURBINES  
 . . . . . SUPERSONIC TURBINES  
 . . . . . TWO STAGE TURBINES  
 . . . . . WIND TURBINES  
 . . . . . TIP VANES  
 . . . . . TURBOCOMPRESSORS  
 . . . . . TURBOFANS  
 . . . . . TURBOGENERATORS  
 . . . . . ASTEC SOLAR TURBOELECTRIC  
 . . . . . GENERATOR  
 RT BLOWERS  
 COMPRESSORS  
 ∞ MACHINERY  
 PUMPS  
 ROTATING GENERATORS  
 SUPERCHARGERS  
 TURBINE INSTRUMENTS

**TURBOPAUSE**

GS EARTH ATMOSPHERE  
 . . . . . UPPER ATMOSPHERE  
 . . . . . THERMOSPHERE  
 . . . . . **TURBOPAUSE**  
 RT ATMOSPHERIC CIRCULATION  
 ATMOSPHERIC PHYSICS  
 ATMOSPHERIC TURBULENCE

**TURBOPROP AIRCRAFT**

GS JET AIRCRAFT  
 . . . . . **TURBOPROP AIRCRAFT**  
 . . . . . AN-22 AIRCRAFT  
 . . . . . AN-24 AIRCRAFT  
 . . . . . ARGOSY MK-1 AIRCRAFT  
 . . . . . BREGUET 941 AIRCRAFT  
 . . . . . BREGUET 1150 AIRCRAFT  
 . . . . . C-2 AIRCRAFT  
 . . . . . C-130 AIRCRAFT  
 . . . . . C-133 AIRCRAFT  
 . . . . . C-160 AIRCRAFT  
 . . . . . CL-44 AIRCRAFT  
 . . . . . CL-84 AIRCRAFT  
 . . . . . DHC 5 AIRCRAFT  
 . . . . . E-2 AIRCRAFT  
 . . . . . ELECTRA AIRCRAFT  
 . . . . . F-27 AIRCRAFT  
 . . . . . G-222 AIRCRAFT  
 . . . . . HS-748 AIRCRAFT  
 . . . . . MH-262 AIRCRAFT  
 . . . . . OV-1 AIRCRAFT  
 . . . . . OV-10 AIRCRAFT  
 . . . . . SC-5 AIRCRAFT  
 . . . . . VISCOUNT AIRCRAFT  
 . . . . . YS-11 AIRCRAFT  
 RT ∞ AIRCRAFT  
 GENERAL AVIATION AIRCRAFT  
 ∞ LOW WING AIRCRAFT  
 PASSENGER AIRCRAFT  
 ∞ SUBSONIC AIRCRAFT  
 TRANSPORT AIRCRAFT  
 TURBOFAN AIRCRAFT

**TURBOPROP ENGINES**

UF DART TURBOPROP ENGINES  
 GS ENGINES  
 . . . . . AIR BREATHING ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . **TURBOPROP ENGINES**  
 . . . . . T-53 ENGINE  
 . . . . . T-56 ENGINE  
 . . . . . T-64 ENGINE  
 . . . . . T-74 ENGINE  
 . . . . . INTERNAL COMBUSTION ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . **TURBOPROP ENGINES**  
 . . . . . T-34 ENGINE  
 . . . . . T-38 ENGINE  
 . . . . . T-53 ENGINE  
 . . . . . T-56 ENGINE  
 . . . . . T-64 ENGINE  
 . . . . . T-74 ENGINE  
 . . . . . T-78 ENGINE  
 . . . . . TURBINE ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . TURBOJET ENGINES  
 . . . . . **TURBOPROP ENGINES**  
 . . . . . T-34 ENGINE  
 . . . . . T-38 ENGINE  
 . . . . . T-53 ENGINE

**TURBOPROP ENGINES-(CONT.)**

. . . . . T-56 ENGINE  
 . . . . . T-64 ENGINE  
 . . . . . T-74 ENGINE  
 . . . . . T-78 ENGINE  
 RT C-160 AIRCRAFT  
 CONTRAROTATING PROPELLERS  
 E-2 AIRCRAFT  
 P-3 AIRCRAFT  
 PROP-FAN TECHNOLOGY  
 TURBOFAN ENGINES  
 XC-142 AIRCRAFT

**TURBOPUMPS**

USE TURBINE PUMPS

**TURBORAMJET ENGINES**

GS ENGINES  
 . . . . . AIR BREATHING ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . RAMJET ENGINES  
 . . . . . **TURBORAMJET ENGINES**  
 . . . . . TURBOJET ENGINES  
 . . . . . **TURBORAMJET ENGINES**  
 . . . . . INTERNAL COMBUSTION ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . RAMJET ENGINES  
 . . . . . **TURBORAMJET ENGINES**  
 . . . . . TURBOJET ENGINES  
 . . . . . **TURBORAMJET ENGINES**  
 . . . . . TURBOJET ENGINES  
 . . . . . **TURBORAMJET ENGINES**  
 . . . . . TURBINE ENGINES  
 . . . . . GAS TURBINE ENGINES  
 . . . . . JET ENGINES  
 . . . . . RAMJET ENGINES  
 . . . . . **TURBORAMJET ENGINES**  
 . . . . . TURBOJET ENGINES  
 . . . . . **TURBORAMJET ENGINES**

**TURBOROCKET ENGINES**

GS ENGINES  
 . . . . . ROCKET ENGINES  
 . . . . . **TURBOROCKET ENGINES**  
 . . . . . TORPEDO ENGINES  
 . . . . . **TURBOROCKET ENGINES**  
 RT BOOSTER ROCKET ENGINES  
 HYDRAZINE ENGINES  
 HYDROGEN OXYGEN ENGINES  
 LIQUID AIR CYCLE ENGINES  
 RESTARTABLE ROCKET ENGINES  
 SUSTAINER ROCKET ENGINES

**TURBOROTORS**

USE TURBINE WHEELS

**TURBOSHAPTS**

GS SHAFTS (MACHINE ELEMENTS)  
 . . . . . ROTATING SHAFTS  
 . . . . . **TURBOSHAPTS**  
 RT CONVERTIBLE FAN-SHAFT ENGINES  
 ROTORS  
 TURBINES

**TURBULENCE**

GS **TURBULENCE**  
 . . . . . ATMOSPHERIC TURBULENCE  
 . . . . . CLEAR AIR TURBULENCE  
 . . . . . GUSTS  
 . . . . . LOW LEVEL TURBULENCE  
 . . . . . HOMOGENEOUS TURBULENCE  
 . . . . . ISOTROPIC TURBULENCE  
 . . . . . LOW TURBULENCE  
 . . . . . MAGNETOHYDRODYNAMIC  
 . . . . . TURBULENCE  
 . . . . . PLASMA TURBULENCE  
 RT AERODYNAMIC DRAG  
 ATMOSPHERIC EFFECTS  
 BACKWASH  
 BOUNDARY LAYER CONTROL  
 BOUNDARY LAYER TRANSITION  
 FLOW CHARACTERISTICS  
 FLUID DYNAMICS  
 GAS STREAMS  
 MICROMETEOROLOGY  
 MIXING  
 ∞ MOTION  
 NONUNIFORMITY  
 PANEL METHOD (FLUID DYNAMICS)  
 PERIOD DOUBLING  
 SEA ROUGHNESS  
 SLIPSTREAMS  
 STEADY FLOW  
 STRANGE ATTRACTORS  
 STROUHAL NUMBER



## TURBULENCE EFFECTS

### TURBULENCE-(CONT.)

SURFACE NOISE INTERACTIONS  
TURBULENT BOUNDARY LAYER  
TURBULENT FLOW  
UNSTEADY FLOW  
VERTICAL AIR CURRENTS  
VORTEX FILAMENTS  
VORTICES  
VORTICITY  
WAKES  
WIND EFFECTS

### TURBULENCE EFFECTS

RT AERODYNAMIC STABILITY  
BUFFETING  
∞ EFFECTS  
FLUTTER  
SEPARATED FLOW

### TURBULENCE METERS

UF HOT-WIRE TURBULENCE METERS  
GS MEASURING INSTRUMENTS  
RT HOT-WIRE FLOWMETERS

### TURBULENT BOUNDARY LAYER

GS BOUNDARY LAYERS  
TURBULENT BOUNDARY LAYER  
RT BOUNDARY LAYER TRANSITION  
COMPRESSIBLE BOUNDARY LAYER  
EKMAN LAYER  
HYPERSONIC BOUNDARY LAYER  
INCOMPRESSIBLE BOUNDARY LAYER  
LAMINAR BOUNDARY LAYER  
∞ LAYERS  
REYNOLDS STRESS  
SUPERSONIC BOUNDARY LAYERS  
THERMAL BOUNDARY LAYER  
THREE DIMENSIONAL BOUNDARY LAYER  
TURBULENCE  
TWO DIMENSIONAL BOUNDARY LAYER

### TURBULENT DIFFUSION

UF EDDY DIFFUSION  
GS DIFFUSION  
TURBULENT DIFFUSION  
RT ATMOSPHERIC DIFFUSION  
ATMOSPHERIC TURBULENCE  
CLEAR AIR TURBULENCE  
COUNTERFLOW

### TURBULENT FLOW

GS FLUID FLOW  
TURBULENT FLOW  
CAVITATION FLOW  
SUPERCAVITATING FLOW  
RT AERODYNAMIC INTERFERENCE  
AERODYNAMICS  
ANNULAR FLOW  
ATMOSPHERIC TURBULENCE  
BLASIUS FLOW  
BOUNDARY LAYER TRANSITION  
CLOSURE LAW  
COMBUSTIBLE FLOW  
COUNTERFLOW  
CRITICAL FLOW  
EDDY VISCOSITY  
FLOW CHARACTERISTICS  
FLOW STABILITY  
FLUID AMPLIFIERS  
FLUID DYNAMICS  
FREE CONVECTION  
GAS FLOW  
GUST ALLEVIATORS  
INVISCID FLOW  
ISOTROPIC TURBULENCE  
KOLMOGOROFF THEORY  
LAGRANGE SIMILARITY HYPOTHESIS  
LAMINAR FLOW  
LIQUID FLOW  
MASS FLOW  
MIXING LENGTH FLOW THEORY  
MULTIPHASE FLOW  
NONUNIFORM FLOW  
OPEN CHANNEL FLOW  
ORIFICE FLOW  
PARTICLE LADEN JETS  
PERIOD DOUBLING  
PIPE FLOW  
PRESSURE OSCILLATIONS  
RECIRCULATIVE FLUID FLOW  
REYNOLDS NUMBER  
REYNOLDS STRESS  
ROTATING FLUIDS  
SINGLE-PHASE FLOW

### TURBULENT FLOW-(CONT.)

STEADY FLOW  
STEAM FLOW  
SUBCRITICAL FLOW  
SUPERCRITICAL FLOW  
TOLLMEIN-SCHLICHTING WAVES  
∞ TRANSITION LAYERS  
TURBULENCE  
TWO PHASE FLOW  
UNIFORM FLOW  
VISCOUS DRAG  
VISCOUS FLOW  
VORTEX AVOIDANCE  
VORTEX BREAKDOWN  
VORTICES  
VORTICITY TRANSPORT HYPOTHESIS

### TURBULENT HEAT TRANSFER

GS TRANSMISSION  
HEAT TRANSMISSION  
HEAT TRANSFER  
TURBULENT HEAT TRANSFER  
RT AERODYNAMIC HEAT TRANSFER  
CONVECTIVE HEAT TRANSFER  
LAMINAR HEAT TRANSFER  
THERMOHYDRAULICS

### TURBULENT JETS

RT FLUID AMPLIFIERS  
JET STREAMS (METEOROLOGY)  
∞ JETS

### TURBULENT MIXING

GS MIXING  
TURBULENT MIXING  
RT AGITATION  
LAMINAR MIXING  
MIXING LENGTH FLOW THEORY  
RECIRCULATIVE FLUID FLOW  
TRAPPED VORTEXES  
VORTICES

### TURBULENT WAKES

UF SWIRLING WAKES  
GS WAKES  
TURBULENT WAKES  
SLIPSTREAMS  
PROPELLER SLIPSTREAMS  
RT AIRCRAFT WAKES  
LAMINAR WAKES  
TRAPPED VORTEXES  
VORTEX ADVISORY SYSTEM  
VORTEX SHEETS  
VORTEX STREETS

### TURING MACHINES

UF FINITE-STATE MACHINES  
RT AUTOMATA THEORY  
DIGITAL COMPUTERS  
∞ MACHINERY  
MATHEMATICAL LOGIC  
SELF ORGANIZING SYSTEMS

### TURKEY

GS NATIONS  
TURKEY  
RT BLACK SEA  
EUROPE

### TURKEYS

GS ANIMALS  
VERTEBRATES  
BIRDS  
TURKEYS  
RT LIVESTOCK

### TURNAROUND (STS)

RT DOWNTIME  
FLIGHT TIME  
LAUNCH DATES  
SCHEDULES  
SEQUENCING  
SPACECRAFT MAINTENANCE  
TESTING TIME

### TURNING FLIGHT

UF BANKING FLIGHT  
GS TURNING FLIGHT  
MINOR CIRCLE TURNING FLIGHT  
RT AERODYNAMIC BALANCE  
AIRCRAFT MANEUVERS  
AIRCRAFT STABILITY  
CLIMBING FLIGHT  
∞ FLIGHT

### TURNING FLIGHT-(CONT.)

FLIGHT PATHS  
HORIZONTAL FLIGHT  
LATERAL OSCILLATION  
LATERAL STABILITY  
MANEUVERS  
MOMENTUM  
ROLL  
YAW

### TURNSTILE ANTENNAS

GS ANTENNAS  
OMNIDIRECTIONAL ANTENNAS  
TURNSTILE ANTENNAS  
ARRAYS  
ANTENNA ARRAYS  
TURNSTILE ANTENNAS  
RT DIPOLE ANTENNAS  
∞ GRIDS  
WIRE GRID LENSES

### TURPENTINE

GS SOLVENTS  
TURPENTINE  
TERPENES  
TURPENTINE  
RT PAINTS

### TURRET

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
RT GUN TURRETS  
TURRET LATHES

### TURRET LATHES

GS TOOLS  
MACHINE TOOLS  
LATHES  
TURRET LATHES  
RT TURRET

### TURTLES

GS ANIMALS  
VERTEBRATES  
REPTILES  
TURTLES

### TUTOR AIRCRAFT

USE CL-41 AIRCRAFT

### TVC (CONTROL)

USE THRUST VECTOR CONTROL

### TWENTY-FOUR HOUR ORBITS

GS ORBITS  
SPACECRAFT ORBITS  
SATELLITE ORBITS  
TWENTY-FOUR HOUR ORBITS  
RT CIRCULAR ORBITS  
EARTH ORBITS  
EQUATORIAL ORBITS  
GEOSYNCHRONOUS ORBITS  
ORBITAL MECHANICS  
PAS  
PLANETARY ORBITS  
POLAR ORBITS  
STATIONARY ORBITS  
SYNCHRONOUS COMMUNICATIONS  
SATELLITE PROJ  
SYNCHRONOUS SATELLITES

### TWENTY-SEVEN DAY VARIATION

GS VARIATIONS  
TWENTY-SEVEN DAY VARIATION  
RT SOLAR CYCLES  
SOLAR ROTATION  
STARSPOTS  
SUNSPOTS

### TWILIGHT GLOW

GS ATMOSPHERIC RADIATION  
SKY RADIATION  
AIRGLOW  
TWILIGHT GLOW  
ELECTROMAGNETIC RADIATION  
LIGHT (VISIBLE RADIATION)  
SKY RADIATION  
AIRGLOW  
TWILIGHT GLOW  
RT DAYGLOW  
NIGHT  
NIGHT SKY

## TYPE 4 BURSTS

### TWINNING

- GS **TWINNING**
  - . MECHANICAL TWINNING
- RT CRYSTAL DEFECTS
  - CRYSTAL GROWTH
  - CRYSTAL STRUCTURE
  - GRAIN BOUNDARIES
  - STACKING FAULT ENERGY

### TWISTED WINGS

- GS AIRFOILS
  - . WINGS
  - . . **TWISTED WINGS**
- RT CAMBERED WINGS
  - FIXED WINGS
  - FLEXIBLE WINGS
  - RING WINGS
  - UNCAMBERED WINGS

### TWISTING

- UF PRETWISTING
- RT BENDING
  - BUCKLING
  - DEFORMATION
  - DISTORTION
  - STRUCTURAL STRAIN
  - TORQUE
  - TORSION
  - TORSIONAL VIBRATION
  - WARPAGE
  - WINDING

### TWITCHING

- RT INVOLUNTARY ACTIONS
  - MUSCLES
  - MUSCULAR FUNCTION

### TWO BODY ORBITS

- USE TWO BODY PROBLEM

### TWO BODY PROBLEM

- UF TWO BODY ORBITS
- RT BINARY STARS
  - CELESTIAL MECHANICS
  - EARTH-MOON SYSTEM
  - HYLLERAAS COORDINATES
  - MANY BODY PROBLEM
  - ORBITAL MECHANICS
  - ORBITS
  - PERTURBATION
  - ∞ PROBLEMS
  - ROCHE LIMIT
  - THREE BODY PROBLEM

### TWO DIMENSIONAL BODIES

- RT ∞ BODIES
  - ∞ CROSS SECTIONS
  - DUCTED BODIES
  - MATHEMATICAL MODELS
  - ∞ SURFACES

### TWO DIMENSIONAL BOUNDARY LAYER

- GS BOUNDARY LAYERS
  - . **TWO DIMENSIONAL BOUNDARY LAYER**
- RT LAMINAR BOUNDARY LAYER
  - SUPERSONIC BOUNDARY LAYERS
  - TURBULENT BOUNDARY LAYER

### TWO DIMENSIONAL FLOW

- GS FLUID FLOW
  - . **TWO DIMENSIONAL FLOW**
  - . . COUETTE FLOW
- RT AXIAL FLOW
  - BLASIUS FLOW
  - CAPILLARY WAVES
  - COAXIAL FLOW
  - FLOW GEOMETRY
  - HARTMANN FLOW
  - ONE DIMENSIONAL FLOW
  - PRANDTL-MEYER EXPANSION
  - RADIAL FLOW
  - RAYLEIGH WAVES
  - STEADY FLOW
  - STREAM FUNCTIONS (FLUIDS)
  - TAYLOR INSTABILITY
  - THREE DIMENSIONAL FLOW
  - WALL FLOW
  - WEDGE FLOW

### TWO DIMENSIONAL JETS

- RT JET FLOW
  - JET MIXING FLOW
- ∞ JETS

### TWO DIMENSIONAL JETS-(CONT.)

WALL FLOW

### TWO FLUID MODELS

- RT BOLTZMANN DISTRIBUTION
  - LIQUID HELIUM
  - MAGNETOHYDRODYNAMIC FLOW
  - ROTATING PLASMAS
  - SHOCK WAVE PROPAGATION
  - SUPERFLUIDITY

### TWO PHASE FLOW

- GS FLUID FLOW
  - . MULTIPHASE FLOW
  - . . **TWO PHASE FLOW**
- RT GAS FLOW
  - LAMINAR FLOW
  - LIQUID FLOW
  - ∞ PRESSURE DROP
  - SINGLE-PHASE FLOW
  - SOLIDS FLOW
  - TURBULENT FLOW

### TWO PHASE SYSTEMS

- USE BINARY SYSTEMS (MATERIALS)

### TWO PHOTON COHERENT STATES

- USE SQUEEZED STATES (QUANTUM THEORY)

### TWO REFLECTOR ANTENNAS

- GS ANTENNAS
  - . DIRECTIONAL ANTENNAS
  - . . REFLECTOR ANTENNAS
  - . . . **TWO REFLECTOR ANTENNAS**
- RT CASSEGRAIN ANTENNAS
  - RADIO ANTENNAS
  - REFLECTOMETERS
  - REFLECTORS

### TWO STAGE PLASMA ENGINES

- GS PLASMA POWER SOURCES
  - . PLASMA ENGINES
  - . . **TWO STAGE PLASMA ENGINES**
- RT ELECTRIC PROPULSION
  - PLASMAS (PHYSICS)

### TWO STAGE TURBINES

- GS TURBOMACHINERY
  - . TURBINES
  - . . **TWO STAGE TURBINES**
- RT GAS TURBINE ENGINES
  - GAS TURBINES
  - STEAM TURBINES

### TWO-WAVELENGTH LASERS

- GS STIMULATED EMISSION DEVICES
  - . LASERS
  - . . **TWO-WAVELENGTH LASERS**
- RT COHERENT LIGHT
  - DYE LASERS
  - LASER OUTPUTS
  - MASERS
  - MOLECULAR OSCILLATORS
  - QUANTUM AMPLIFIERS
  - STIMULATED EMISSION

### TX-33-39 ENGINE

- USE XM-33 ENGINE

### TX-77 ENGINE

- GS ENGINES
  - . ROCKET ENGINES
  - . . SOLID PROPELLANT ROCKET ENGINES
  - . . . **TX-77 ENGINE**
- RT LANCE MISSILE

### TX-354 ENGINE

- UF CASTOR 2 ENGINE
  - ENGINES
  - . ROCKET ENGINES
  - . . SOLID PROPELLANT ROCKET ENGINES
  - . . . **TX-354 ENGINE**
- RT BOOSTER ROCKET ENGINES
  - LITTLE JOE 2 LAUNCH VEHICLE
  - RAM B LAUNCH VEHICLE
  - SCOUT LAUNCH VEHICLE
  - SUSTAINER ROCKET ENGINES
  - TRAILBLAZER 2 REENTRY VEHICLE
  - XM-33 ENGINE

### TYCHO CRATER

- GS CRATERS

### TYCHO CRATER-(CONT.)

- . LUNAR CRATERS
- . . **TYCHO CRATER**
- RT METEORITE CRATERS

### TYPE 2 BURSTS

- GS BURSTS
  - . RADIO BURSTS
  - . . SOLAR RADIO BURSTS
  - . . . **TYPE 2 BURSTS**
- ELECTROMAGNETIC RADIATION
  - . RADIO WAVES
  - . . EXTRATERRESTRIAL RADIO WAVES
  - . . . RADIO BURSTS
  - . . . . SOLAR RADIO BURSTS
  - . . . . . **TYPE 2 BURSTS**
  - . . . . . SOLAR RADIO EMISSION
  - . . . . . SOLAR RADIO BURSTS
  - . . . . . **TYPE 2 BURSTS**
  - . . . . . RADIO EMISSION
  - . . . . . RADIO BURSTS
  - . . . . . SOLAR RADIO BURSTS
  - . . . . . **TYPE 2 BURSTS**
  - . . . . . SOLAR RADIO EMISSION
  - . . . . . SOLAR RADIO BURSTS
  - . . . . . **TYPE 2 BURSTS**
  - . . . . . EMISSION
  - . . . . . RADIO EMISSION
  - . . . . . RADIO BURSTS
  - . . . . . SOLAR RADIO BURSTS
  - . . . . . **TYPE 2 BURSTS**
  - . . . . . SOLAR RADIO EMISSION
  - . . . . . SOLAR RADIO BURSTS
  - . . . . . **TYPE 2 BURSTS**
  - . . . . . EXTRATERRESTRIAL RADIATION
  - . . . . . EXTRATERRESTRIAL RADIO WAVES
  - . . . . . RADIO BURSTS
  - . . . . . SOLAR RADIO BURSTS
  - . . . . . **TYPE 2 BURSTS**
  - . . . . . SOLAR RADIO EMISSION
  - . . . . . SOLAR RADIO BURSTS
  - . . . . . **TYPE 2 BURSTS**
  - . . . . . SOLAR RADIATION
  - . . . . . SOLAR RADIO EMISSION
  - . . . . . SOLAR RADIO BURSTS
  - . . . . . **TYPE 2 BURSTS**

### TYPE 3 BURSTS

- GS BURSTS
  - . RADIO BURSTS
  - . . SOLAR RADIO BURSTS
  - . . . **TYPE 3 BURSTS**
- ELECTROMAGNETIC RADIATION
  - . RADIO WAVES
  - . . EXTRATERRESTRIAL RADIO WAVES
  - . . . RADIO BURSTS
  - . . . . SOLAR RADIO BURSTS
  - . . . . . **TYPE 3 BURSTS**
  - . . . . . SOLAR RADIO EMISSION
  - . . . . . SOLAR RADIO BURSTS
  - . . . . . **TYPE 3 BURSTS**
  - . . . . . RADIO EMISSION
  - . . . . . RADIO BURSTS
  - . . . . . SOLAR RADIO BURSTS
  - . . . . . **TYPE 3 BURSTS**
  - . . . . . SOLAR RADIO EMISSION
  - . . . . . SOLAR RADIO BURSTS
  - . . . . . **TYPE 3 BURSTS**
  - . . . . . EMISSION
  - . . . . . RADIO EMISSION
  - . . . . . RADIO BURSTS
  - . . . . . SOLAR RADIO BURSTS
  - . . . . . **TYPE 3 BURSTS**
  - . . . . . SOLAR RADIO EMISSION
  - . . . . . SOLAR RADIO BURSTS
  - . . . . . **TYPE 3 BURSTS**
  - . . . . . EXTRATERRESTRIAL RADIATION
  - . . . . . EXTRATERRESTRIAL RADIO WAVES
  - . . . . . RADIO BURSTS
  - . . . . . SOLAR RADIO BURSTS
  - . . . . . **TYPE 3 BURSTS**
  - . . . . . SOLAR RADIO EMISSION
  - . . . . . SOLAR RADIO BURSTS
  - . . . . . **TYPE 3 BURSTS**
  - . . . . . SOLAR RADIATION
  - . . . . . SOLAR RADIO EMISSION
  - . . . . . SOLAR RADIO BURSTS
  - . . . . . **TYPE 3 BURSTS**

### TYPE 4 BURSTS

- GS BURSTS
  - . RADIO BURSTS
  - . . SOLAR RADIO BURSTS
  - . . . **TYPE 4 BURSTS**
- ELECTROMAGNETIC RADIATION

## TYPE 5 BURSTS

### TYPE 4 BURSTS-(CONT.)

RADIO WAVES  
 . EXTRATERRESTRIAL RADIO WAVES  
 . RADIO BURSTS  
 . SOLAR RADIO BURSTS  
 . TYPE 4 BURSTS  
 . SOLAR RADIO EMISSION  
 . SOLAR RADIO BURSTS  
 . TYPE 4 BURSTS  
 . RADIO EMISSION  
 . RADIO BURSTS  
 . SOLAR RADIO BURSTS  
 . TYPE 4 BURSTS  
 . SOLAR RADIO EMISSION  
 . SOLAR RADIO BURSTS  
 . TYPE 4 BURSTS  
 . EMISSION  
 . RADIO EMISSION  
 . RADIO BURSTS  
 . SOLAR RADIO BURSTS  
 . TYPE 4 BURSTS  
 . SOLAR RADIO EMISSION  
 . SOLAR RADIO BURSTS  
 . TYPE 4 BURSTS  
 . EXTRATERRESTRIAL RADIATION  
 . EXTRATERRESTRIAL RADIO WAVES  
 . RADIO BURSTS  
 . SOLAR RADIO BURSTS  
 . TYPE 4 BURSTS  
 . SOLAR RADIO EMISSION  
 . SOLAR RADIO BURSTS  
 . TYPE 4 BURSTS  
 . SOLAR RADIATION  
 . SOLAR RADIO EMISSION  
 . SOLAR RADIO BURSTS  
 . TYPE 4 BURSTS

### TYPE 5 BURSTS

GS BURSTS  
 . RADIO BURSTS  
 . SOLAR RADIO BURSTS  
 . TYPE 5 BURSTS  
 . ELECTROMAGNETIC RADIATION  
 . RADIO WAVES  
 . EXTRATERRESTRIAL RADIO WAVES  
 . RADIO BURSTS  
 . SOLAR RADIO BURSTS  
 . TYPE 5 BURSTS  
 . SOLAR RADIO EMISSION  
 . SOLAR RADIO BURSTS  
 . TYPE 5 BURSTS  
 . RADIO EMISSION  
 . RADIO BURSTS  
 . SOLAR RADIO BURSTS  
 . TYPE 5 BURSTS  
 . SOLAR RADIO EMISSION  
 . SOLAR RADIO BURSTS  
 . TYPE 5 BURSTS  
 . EMISSION  
 . RADIO EMISSION  
 . RADIO BURSTS  
 . SOLAR RADIO BURSTS  
 . TYPE 5 BURSTS  
 . SOLAR RADIO EMISSION  
 . SOLAR RADIO BURSTS  
 . TYPE 5 BURSTS  
 . EXTRATERRESTRIAL RADIATION  
 . EXTRATERRESTRIAL RADIO WAVES  
 . RADIO BURSTS  
 . SOLAR RADIO BURSTS  
 . TYPE 5 BURSTS  
 . SOLAR RADIO EMISSION  
 . SOLAR RADIO BURSTS  
 . TYPE 5 BURSTS  
 . SOLAR RADIATION  
 . SOLAR RADIO EMISSION  
 . SOLAR RADIO BURSTS  
 . TYPE 5 BURSTS

### TYPEWRITERS

GS TYPEWRITERS  
 . AUTOMATIC TYPEWRITERS  
 . TELETYPEWRITERS  
 . TELEPRINTERS  
 RT PRINTERS

### TYPHOID

GS DISEASES  
 . INFECTIOUS DISEASES  
 . BACTERIAL DISEASES  
 . TYPHOID

### TYPHON WEAPON SYSTEM

GS WEAPON SYSTEMS  
 . TYPHON WEAPON SYSTEM

### TYPHON WEAPON SYSTEM-(CONT.)

RT BUMBLEBEE PROJECT  
 . SYSTEMS

### TYPHOONS

GS STORMS  
 . STORMS (METEOROLOGY)  
 . CYCLONES  
 . TYPHOONS  
 . TROPICAL STORMS  
 . TYPHOONS  
 RT ATMOSPHERIC CIRCULATION  
 HURRICANES  
 MARINE METEOROLOGY  
 METEOROLOGY  
 STORM DAMAGE  
 TORNADOES

### TYPHUS

GS DISEASES  
 . INFECTIOUS DISEASES  
 . BACTERIAL DISEASES  
 . TYPHUS

### TYROSINE

GS ACIDS  
 . AMINO ACIDS  
 . TYROSINE  
 . ORGANIC COMPOUNDS  
 . AMINO ACIDS  
 . TYROSINE  
 RT ENZYME ACTIVITY  
 LIVER

### T2J AIRCRAFT

USE T-2 AIRCRAFT

### T3J AIRCRAFT

USE T-39 AIRCRAFT

## U

### U BENDS

GS PIPES (TUBES)  
 . U BENDS  
 RT FITTINGS

### U SPIN SPACE

GS ALGEBRA  
 . VECTOR SPACES  
 . U SPIN SPACE  
 RT MATRICES (MATHEMATICS)  
 QUANTUM MECHANICS

### U TUBES

USE MANOMETERS

### U.S.S.R.

UF SOVIET UNION  
 GS NATIONS  
 . U.S.S.R.  
 RT ASIA  
 BARENTS SEA  
 BLACK SEA  
 CAUCASUS MOUNTAINS (U.S.S.R.)  
 EUROPE  
 KURILE ISLANDS  
 MOSCOW  
 SEA OF OKHOTSK  
 SIBERIA

### U.S.S.R. SPACE PROGRAM

GS PROGRAMS  
 . SPACE PROGRAMS  
 . U.S.S.R. SPACE PROGRAM  
 RT APOLLO SOYUZ TEST PROJECT  
 EUROPEAN SPACE PROGRAMS  
 INTERNATIONAL COOPERATION  
 INTERNATIONAL RELATIONS  
 INTERNATIONAL SATELLITE GEODESY  
 EXPERIMENT  
 LUNAR RETROREFLECTORS  
 LUNIK LUNAR PROBES  
 LUNIK 19 LUNAR PROBE  
 LUNIK 22 LUNAR PROBE  
 LUNOKHOD LUNAR ROVING VEHICLES  
 MARS 1 SPACECRAFT  
 MARS 2 SPACECRAFT  
 MARS 3 SPACECRAFT  
 MARS 4 SPACECRAFT  
 MARS 5 SPACECRAFT

### U.S.S.R. SPACE PROGRAM-(CONT.)

MARS 6 SPACECRAFT  
 MARS 7 SPACECRAFT  
 MIR SPACE STATION  
 MOLNIYA SATELLITES  
 PROTON SATELLITES  
 SALLYUT SPACE STATION  
 SOYUZ SPACECRAFT  
 VEGA PROJECT  
 VENERA SATELLITES  
 VENERA 8 SATELLITE  
 VENERA 10 SATELLITE  
 VENERA 11 SATELLITE  
 VENERA 12 SATELLITE

### U-2 AIRCRAFT

UF LOCKHEED U-2 AIRCRAFT  
 WU-2 AIRCRAFT  
 GS JET AIRCRAFT  
 . U-2 AIRCRAFT  
 LOCKHEED AIRCRAFT  
 . U-2 AIRCRAFT  
 MONOPLANES  
 . U-2 AIRCRAFT  
 OBSERVATION AIRCRAFT  
 . U-2 AIRCRAFT  
 RECONNAISSANCE AIRCRAFT  
 . U-2 AIRCRAFT  
 RESEARCH AIRCRAFT  
 . U-2 AIRCRAFT  
 UTILITY AIRCRAFT  
 . U-2 AIRCRAFT  
 RT . AIRCRAFT

### U-10 AIRCRAFT

UF COURIER AIRCRAFT  
 L-28 AIRCRAFT  
 GS HELIO AIRCRAFT  
 . U-10 AIRCRAFT  
 LIGHT AIRCRAFT  
 . U-10 AIRCRAFT  
 MONOPLANES  
 . U-10 AIRCRAFT  
 PASSENGER AIRCRAFT  
 . U-10 AIRCRAFT  
 UTILITY AIRCRAFT  
 . U-10 AIRCRAFT  
 V/STOL AIRCRAFT  
 . SHORT TAKEOFF AIRCRAFT  
 . U-10 AIRCRAFT  
 RT . AIRCRAFT

### UBV SPECTRA

GS SPECTRA  
 . RADIATION SPECTRA  
 . ELECTROMAGNETIC SPECTRA  
 . UBV SPECTRA  
 RT COLOR-COLOR DIAGRAM

### UDIMET ALLOYS

GS ALLOYS  
 . HEAT RESISTANT ALLOYS  
 . UDIMET ALLOYS  
 . NICKEL ALLOYS  
 . UDIMET ALLOYS

### UFO

USE UNIDENTIFIED FLYING OBJECTS

### UGANDA

GS NATIONS  
 . UGANDA  
 RT AFRICA

### UH-1 HELICOPTER

UF HU-1 HELICOPTER  
 IROQUOIS HELICOPTER  
 RH-2 HELICOPTER  
 YHU-1 HELICOPTER  
 YUH-1 HELICOPTER  
 GS BELL AIRCRAFT  
 . UH-1 HELICOPTER  
 UTILITY AIRCRAFT  
 . UH-1 HELICOPTER  
 V/STOL AIRCRAFT  
 . ROTARY WING AIRCRAFT  
 . HELICOPTERS  
 . MILITARY HELICOPTERS  
 . UH-1 HELICOPTER  
 RT UH-60A HELICOPTER  
 UH-61A HELICOPTER

## ULTRASONIC RADIATION

### UH-2 HELICOPTER

UF HU2K-1 HELICOPTER  
KAMAN UH-2A HELICOPTER  
SEASPRITE HELICOPTER  
GS KAMAN AIRCRAFT  
. UH-2 HELICOPTER  
UTILITY AIRCRAFT  
. UH-2 HELICOPTER  
V/STOL AIRCRAFT  
. ROTARY WING AIRCRAFT  
. HELICOPTERS  
. MILITARY HELICOPTERS  
. UH-2 HELICOPTER

### UH-12 HELICOPTER

USE OH-23 HELICOPTER

### UH-13 HELICOPTER

USE OH-13 HELICOPTER

### UH-34 HELICOPTER

UF HUS-1 HELICOPTER  
SEAHORSE HELICOPTER  
GS SIKORSKY AIRCRAFT  
. UH-34 HELICOPTER  
TRANSPORT AIRCRAFT  
. UH-34 HELICOPTER  
UTILITY AIRCRAFT  
. UH-34 HELICOPTER  
V/STOL AIRCRAFT  
. ROTARY WING AIRCRAFT  
. HELICOPTERS  
. MILITARY HELICOPTERS  
. UH-34 HELICOPTER  
RT S-58 HELICOPTER

### UH-60A HELICOPTER

UF YUH-60A HELICOPTER  
GS SIKORSKY AIRCRAFT  
. UH-60A HELICOPTER  
TRANSPORT AIRCRAFT  
. UH-60A HELICOPTER  
UTILITY AIRCRAFT  
. UH-60A HELICOPTER  
V/STOL AIRCRAFT  
. ROTARY WING AIRCRAFT  
. HELICOPTERS  
. MILITARY HELICOPTERS  
. UH-60A HELICOPTER  
RT HELICOPTER DESIGN  
UH-1 HELICOPTER

### UH-61A HELICOPTER

UF YUH-61A HELICOPTER  
GS SIKORSKY AIRCRAFT  
. UH-61A HELICOPTER  
TRANSPORT AIRCRAFT  
. UH-61A HELICOPTER  
UTILITY AIRCRAFT  
. UH-61A HELICOPTER  
V/STOL AIRCRAFT  
. ROTARY WING AIRCRAFT  
. HELICOPTERS  
. MILITARY HELICOPTERS  
. UH-61A HELICOPTER  
RT HELICOPTER DESIGN  
UH-1 HELICOPTER

### UHTREX (NUCLEAR REACTORS)

USE HIGH TEMPERATURE NUCLEAR REACTORS

### UHURU SATELLITE

UF EXPLORER 42 SATELLITE  
GS ARTIFICIAL SATELLITES  
. SCIENTIFIC SATELLITES  
. EXPLORER SATELLITES  
. UHURU SATELLITE  
RT GALACTIC RADIATION  
SAS  
SATELLITE OBSERVATION  
X RAY ASTRONOMY  
X RAY STARS

### UK SATELLITES

UF UNITED KINGDOM SATELLITES  
GS ARTIFICIAL SATELLITES  
. SCIENTIFIC SATELLITES  
. UK SATELLITES  
. UK 4 SATELLITE  
RT SKYNET SATELLITES  
UK SPACE PROGRAM

### UK SPACE PROGRAM

GS PROGRAMS  
. SPACE PROGRAMS  
. UK SPACE PROGRAM  
RT HOTOL LAUNCH VEHICLE  
UK SATELLITES  
UNITED KINGDOM

### UK 4 SATELLITE

GS ARTIFICIAL SATELLITES  
. SCIENTIFIC SATELLITES  
. UK SATELLITES  
. UK 4 SATELLITE

### ULCERS

GS DISEASES  
. ULCERS  
RT CANCER

### ULLAGE

RT FUEL TANK PRESSURIZATION  
FUEL TANKS  
INTERFACE STABILITY  
LIQUID SLOSHING  
PROPELLANT TANKS  
SPLASHING  
TANK GEOMETRY  
ULLAGE ROCKET ENGINES

### ULLAGE ROCKET ENGINES

GS ENGINES  
. ROCKET ENGINES  
. ULLAGE ROCKET ENGINES  
. TORPEDO ENGINES  
. ULLAGE ROCKET ENGINES  
RT SOLID PROPELLANT ROCKET ENGINES  
ULLAGE

### ULM (LIGHT MODULATION)

USE ULTRASONIC LIGHT MODULATION

### ULNA

GS ANATOMY  
. MUSCULOSKELETAL SYSTEM  
. BONES  
. ULNA  
RT ARM (ANATOMY)  
ELBOW (ANATOMY)

### ULTRA SHORT WAVE RADIO EQUIPMENT

USE VERY HIGH FREQUENCY RADIO EQUIPMENT

### ULTRAHIGH FREQUENCIES

SN (300 TO 3000 MHZ)  
UF L BAND  
S BAND  
GS FREQUENCIES  
. RADIO FREQUENCIES  
. ULTRAHIGH FREQUENCIES  
. P BAND  
RT DECIMETER WAVES  
EISCAT RADAR SYSTEM (EUROPE)  
FLEET SATELLITE COMMUNICATION SYSTEM  
LOW FREQUENCY BANDS  
PASSIVE L-BAND RADIOMETERS  
PRAETERSONIC DEVICES  
UNIFIED S BAND  
VERY HIGH FREQUENCY RADIO EQUIPMENT

### ULTRAHIGH VACUUM

GS PRESSURE  
. VACUUM  
. ULTRAHIGH VACUUM  
RT HIGH VACUUM  
LOW DENSITY RESEARCH  
RESIDUAL GAS  
VACUUM APPARATUS  
VACUUM TESTS

### ULTRALIGHT AIRCRAFT

RT AIRCRAFT  
HANG GLIDERS  
LIGHT AIRCRAFT  
MAN POWERED AIRCRAFT  
WINGED VEHICLES

### ULTRALOW FREQUENCIES

USE EXTREMELY LOW RADIO FREQUENCIES

### ULTRALOW TEMPERATURE

USE CRYOGENIC TEMPERATURE

### ULTRAPURE METALS

GS METALS  
. ULTRAPURE METALS  
RT CRYSTAL LATTICES  
IMPURITIES  
PURIFICATION  
PURITY  
SINGLE CRYSTALS  
SPACE PROCESSING  
VAPOR DEPOSITION  
ZONE MELTING

### ULTRASHORT PULSED LASERS

GS STIMULATED EMISSION DEVICES  
. LASERS  
. PULSED LASERS  
. ULTRASHORT PULSED LASERS  
RT GLASS LASERS  
LASER APPLICATIONS  
LIGHT AMPLIFIERS  
PULSE DURATION  
QUANTUM AMPLIFIERS  
STIMULATED EMISSION

### ULTRASONIC AGITATION

GS AGITATION  
. ULTRASONIC AGITATION  
RT ULTRASONICS

### ULTRASONIC CLEANING

GS CLEANING  
. ULTRASONIC CLEANING  
RT ACOUSTICS  
CAVITATION FLOW  
CLEANERS  
ETCHING  
FLUID FLOW  
GRINDING MACHINES  
MACHINE TOOLS  
PIEZOELECTRIC TRANSDUCERS  
POLISHING  
TOOLS  
TRANSDUCERS  
ULTRASONICS

### ULTRASONIC DENSIMETERS

GS MEASURING INSTRUMENTS  
. DENSIMETERS  
. ULTRASONIC DENSIMETERS  
RT DENSITY (MASS/VOLUME)  
DENSITY MEASUREMENT  
INSTRUMENTS  
MEASUREMENT

### ULTRASONIC FLAW DETECTION

GS DETECTION  
. ULTRASONIC FLAW DETECTION  
RT DETECTORS  
EXAMINATION  
IDENTIFYING  
INSPECTION  
NONDESTRUCTIVE TESTS  
QUALITY CONTROL  
ULTRASONIC SCANNERS

### ULTRASONIC GRINDING MACHINES

USE ULTRASONIC MACHINING

### ULTRASONIC LIGHT MODULATION

UF ULM (LIGHT MODULATION)  
GS MODULATION  
. LIGHT MODULATION  
. ULTRASONIC LIGHT MODULATION  
RT ULTRASONICS

### ULTRASONIC MACHINING

UF ULTRASONIC GRINDING MACHINES  
GS MACHINING  
. ULTRASONIC MACHINING  
RT ULTRASONICS

### ULTRASONIC RADIATION

UF ULTRASONIC WAVES  
GS ELASTIC WAVES  
. ULTRASONIC RADIATION  
RT ACOUSTIC FREQUENCIES  
COHERENT ACOUSTIC RADIATION  
MAGNETOELASTIC WAVES  
RADIATION  
SOUND WAVES  
ULTRASONICS  
UNDERWATER ACOUSTICS

## ULTRASONIC SCANNERS

### ULTRASONIC SCANNERS

- GS SCANNERS
  - . **ULTRASONIC SCANNERS**
- RT ACOUSTICS
  - . IMAGING TECHNIQUES
  - . MEASURING INSTRUMENTS
  - . SCANNING
  - . ULTRASONIC FLAW DETECTION
  - . ULTRASONICS

### ULTRASONIC SOLDERING

- UF SONIC SOLDERING
- GS SOLDERING
  - . **ULTRASONIC SOLDERING**
- RT  $\infty$  JOINING
  - . ULTRASONICS

### ULTRASONIC SPECTROSCOPY

- GS SPECTROSCOPY
  - . **ULTRASONIC SPECTROSCOPY**
- RT CRACKS
  - . NONDESTRUCTIVE TESTS
  - . SPECTRUM ANALYSIS

### ULTRASONIC TESTS

- RT ACOUSTIC MEASUREMENT
  - . ACOUSTIC SOUNDING
  - . DYNAMIC MODULUS OF ELASTICITY
  - . LAMB WAVES
- $\infty$  MATERIALS TESTS
  - . NONDESTRUCTIVE TESTS
- $\infty$  TESTS
  - . ULTRASONICS

### ULTRASONIC WAVE TRANSDUCERS

- GS TRANSDUCERS
  - . **ULTRASONIC WAVE TRANSDUCERS**
- RT ELECTROACOUSTICS
  - . ELECTRONIC TRANSDUCERS
  - . MICROPHONES
  - . PRESSURE SENSORS
  - . SONAR
  - . SURFACE ACOUSTIC WAVE DEVICES
  - . ULTRASONICS
  - . UNDERWATER ACOUSTICS

### ULTRASONIC WAVES

- USE ULTRASONIC RADIATION

### ULTRASONIC WELDING

- GS WELDING
  - . PRESSURE WELDING
  - . **ULTRASONIC WELDING**
- RT SPOT WELDS
  - . ULTRASONICS

### ULTRASONICS

- RT ACOUSTICS
  - . ELECTROACOUSTICS
  - . ULTRASONIC AGITATION
  - . ULTRASONIC CLEANING
  - . ULTRASONIC LIGHT MODULATION
  - . ULTRASONIC MACHINING
  - . ULTRASONIC RADIATION
  - . ULTRASONIC SCANNERS
  - . ULTRASONIC SOLDERING
  - . ULTRASONIC TESTS
  - . ULTRASONIC WAVE TRANSDUCERS
  - . ULTRASONIC WELDING

### ULTRAVIOLET ABSORPTION

- GS ENERGY ABSORPTION
  - . RADIATION ABSORPTION
  - . . . ELECTROMAGNETIC ABSORPTION
  - . . . **ULTRAVIOLET ABSORPTION**
- RT  $\infty$  ABSORPTION
  - . ULTRAVIOLET DETECTORS

### ULTRAVIOLET ASTRONOMY

- GS ASTRONOMY
  - . **ULTRAVIOLET ASTRONOMY**
- RT ELECTROMAGNETIC RADIATION
  - . EXTREME ULTRAVIOLET EXPLORER
  - . SATELLITE
  - . HUBBLE SPACE TELESCOPE
  - . LYMAN ALPHA RADIATION
  - . LYMAN BETA RADIATION
  - . SPARTAN SATELLITES
  - . STARSAT TELESCOPE
  - . TELESCOPES
  - . ULTRAVIOLET TELESCOPES

### ULTRAVIOLET DETECTORS

- GS MEASURING INSTRUMENTS

### ULTRAVIOLET DETECTORS-(CONT.)

- . RADIATION MEASURING INSTRUMENTS
- . . . ACTINOMETERS
- . . . **ULTRAVIOLET DETECTORS**
- . . . . . ULTRAVIOLET SPECTROMETERS
- . . . . . ULTRAVIOLET SPECTROPHOTOMETERS
- RT  $\infty$  DETECTORS
  - . PHOTOMETERS
  - . RADIOMETERS
  - . ULTRAVIOLET ABSORPTION
  - . ULTRAVIOLET RADIATION
  - . ULTRAVIOLET SPECTRA

### ULTRAVIOLET FILTERS

- GS ELECTROMAGNETIC WAVE FILTERS
  - . OPTICAL FILTERS
  - . **ULTRAVIOLET FILTERS**
- RT BANDPASS FILTERS
  - . ELECTRIC FILTERS
  - . INFRARED FILTERS

### ULTRAVIOLET LASERS

- UF UV LASERS
- GS STIMULATED EMISSION DEVICES
  - . LASERS
  - . . . GAS LASERS
  - . . . **ULTRAVIOLET LASERS**
  - . . . PULSED LASERS
  - . . . **ULTRAVIOLET LASERS**
- RT COHERENT LIGHT
  - . LASER OUTPUTS
  - . LIGHT AMPLIFIERS
  - . LIGHT TRANSMISSION
  - . MASERS
  - . MOLECULAR OSCILLATORS
  - . NITROGEN LASERS
  - . QUANTUM AMPLIFIERS
  - . STIMULATED EMISSION
  - . XENON CHLORIDE LASERS

### ULTRAVIOLET LIGHT

- USE ULTRAVIOLET RADIATION

### ULTRAVIOLET MICROSCOPY

- GS MICROSCOPY
  - . **ULTRAVIOLET MICROSCOPY**
- RT MICROSCOPES

### ULTRAVIOLET PHOTOGRAPHY

- GS PHOTOGRAPHY
  - . **ULTRAVIOLET PHOTOGRAPHY**
- RT AERIAL PHOTOGRAPHY
  - . CAMERAS
  - . COLOR PHOTOGRAPHY
  - . FAINT OBJECT CAMERA
  - . INFRARED PHOTOGRAPHY
  - . RADAR PHOTOGRAPHY

### ULTRAVIOLET PHOTOMETRY

- GS IMAGERY
  - . **ULTRAVIOLET PHOTOMETRY**
  - . OPTICAL MEASUREMENT
  - . . . PHOTOMETRY
  - . . . **ULTRAVIOLET PHOTOMETRY**
- RT PHOTOGRAPHY
  - . **ULTRAVIOLET PHOTOMETRY**
- RT BLACK AND WHITE PHOTOGRAPHY

### ULTRAVIOLET RADIATION

- UF ULTRAVIOLET LIGHT
- GS ELECTROMAGNETIC RADIATION
  - . **ULTRAVIOLET RADIATION**
  - . . . EXTREME ULTRAVIOLET RADIATION
  - . . . FAR ULTRAVIOLET RADIATION
  - . . . LYMAN ALPHA RADIATION
  - . . . LYMAN BETA RADIATION
  - . . . NEAR ULTRAVIOLET RADIATION
  - . . . IONIZING RADIATION
  - . . . **ULTRAVIOLET RADIATION**
  - . . . EXTREME ULTRAVIOLET RADIATION
  - . . . FAR ULTRAVIOLET RADIATION
  - . . . LYMAN ALPHA RADIATION
  - . . . LYMAN BETA RADIATION
  - . . . NEAR ULTRAVIOLET RADIATION
- RT BEAMS (RADIATION)
  - . BLACK BODY RADIATION
  - . CERENKOV RADIATION
  - . COHERENT ELECTROMAGNETIC RADIATION
  - . CORONAL HOLES
  - . DAYGLOW
  - . IUE
  - . MICROCHANNELS
  - . MONOCHROMATIC RADIATION

### ULTRAVIOLET RADIATION-(CONT.)

- . POLARIZED ELECTROMAGNETIC RADIATION
- $\infty$  RADIATION
  - . SEYFERT GALAXIES
  - . SOLAR RADIATION
  - . STERILIZATION
  - . SUNLIGHT
  - . THERMAL RADIATION
  - . ULTRAVIOLET DETECTORS
  - . UMKEHR EFFECT

### ULTRAVIOLET REFLECTION

- GS REFLECTION
  - . **ULTRAVIOLET REFLECTION**
- RT INFRARED REFLECTION
  - . RADIO ECHOES
  - . REFLECTOMETERS
  - . SPREAD REFLECTION

### ULTRAVIOLET SPECTRA

- GS SPECTRA
  - . RADIATION SPECTRA
  - . . . ELECTROMAGNETIC SPECTRA
  - . . . **ULTRAVIOLET SPECTRA**
- RT ABSORPTION SPECTRA
  - . EMISSION SPECTRA
  - . HERZBERG BANDS
  - . LIGHT (VISIBLE RADIATION)
  - . LINE SPECTRA
  - . LYMAN SPECTRA
  - . MOLECULAR SPECTRA
  - . RADIO SPECTROSCOPY
  - . SOLAR SPECTRA
  - . STELLAR SPECTRA
  - . ULTRAVIOLET DETECTORS

### ULTRAVIOLET SPECTROGRAPHS

- USE ULTRAVIOLET SPECTROMETERS

### ULTRAVIOLET SPECTROMETERS

- UF ULTRAVIOLET SPECTROGRAPHS
- GS MEASURING INSTRUMENTS
  - . OPTICAL MEASURING INSTRUMENTS
  - . . . PHOTOMETERS
  - . . . **ULTRAVIOLET SPECTROMETERS**
  - . . . RADIATION MEASURING INSTRUMENTS
  - . . . ACTINOMETERS
  - . . . ULTRAVIOLET DETECTORS
  - . . . **ULTRAVIOLET SPECTROMETERS**
  - . . . PHOTOMETERS
  - . . . **ULTRAVIOLET SPECTROMETERS**
  - . . . SPECTROMETERS
  - . . . **ULTRAVIOLET SPECTROMETERS**
  - . . . HIGH DISPERSION SPECTROGRAPHS
  - . . . OPTICAL EQUIPMENT
  - . . . OPTICAL MEASURING INSTRUMENTS
  - . . . PHOTOMETERS
  - . . . **ULTRAVIOLET SPECTROMETERS**
- RT EBERT SPECTROMETERS
  - . SOLAR MAXIMUM MISSION
  - . SOLAR SPECTROMETERS

### ULTRAVIOLET SPECTROPHOTOMETERS

- GS MEASURING INSTRUMENTS
  - . OPTICAL MEASURING INSTRUMENTS
  - . . . PHOTOMETERS
  - . . . **ULTRAVIOLET SPECTROPHOTOMETERS**
  - . . . SPECTROPHOTOMETERS
  - . . . **ULTRAVIOLET SPECTROPHOTOMETERS**
  - . . . RADIATION MEASURING INSTRUMENTS
  - . . . ACTINOMETERS
  - . . . SPECTROPHOTOMETERS
  - . . . **ULTRAVIOLET SPECTROPHOTOMETERS**
  - . . . ULTRAVIOLET DETECTORS
  - . . . **ULTRAVIOLET SPECTROPHOTOMETERS**
  - . . . PHOTOMETERS
  - . . . **ULTRAVIOLET SPECTROPHOTOMETERS**
  - . . . OPTICAL EQUIPMENT
  - . . . OPTICAL MEASURING INSTRUMENTS
  - . . . PHOTOMETERS
  - . . . **ULTRAVIOLET SPECTROPHOTOMETERS**
  - . . . SPECTROPHOTOMETERS
  - . . . **ULTRAVIOLET SPECTROPHOTOMETERS**

### ULTRAVIOLET SPECTROSCOPY

- GS SPECTROSCOPY

## UNDERWATER PROPULSION

### ULTRAVIOLET SPECTROSCOPY-(CONT.)

RT . ULTRAVIOLET SPECTROSCOPY  
 ABSORPTION SPECTROSCOPY  
 ASTRONOMICAL SPECTROSCOPY  
 MOLECULAR SPECTROSCOPY  
 OPTOGALVANIC SPECTROSCOPY  
 RADIO SPECTROSCOPY  
 SPECTROSCOPIC ANALYSIS  
 SPECTRUM ANALYSIS  
 VACUUM SPECTROSCOPY  
 X RAY SPECTROSCOPY

### ULTRAVIOLET TELESCOPES

GS . TELESCOPES  
 . ULTRAVIOLET TELESCOPES  
 . . STARLAB  
 RT . FAR ULTRAVIOLET RADIATION  
 SPACEBORNE ASTRONOMY  
 ULTRAVIOLET ASTRONOMY  
 X RAY ASTRONOMY

### ULYSSES MISSION

UF INTERNATIONAL SOLAR POLAR MISSION  
 GS . SPACE MISSIONS  
 . ULYSSES MISSION  
 RT . INERTIAL UPPER STAGE  
 MISSION PLANNING  
 ∞ MISSIONS  
 . SOLAR MAXIMUM MISSION  
 . SOLAR PROBES  
 . SUN

### UMBILICAL CONNECTORS

GS . CONNECTORS  
 . UMBILICAL CONNECTORS  
 RT . BUNDLES  
 EXTRAVEHICULAR ACTIVITY  
 TETHERLINES

### UMBILICAL TOWERS

GS . TOWERS  
 . UMBILICAL TOWERS  
 RT . GANTRY CRANES  
 LAUNCHING PADS

### UMBRAS

RT . ECLIPSES  
 PENUMBRAS  
 SHADOWS

### UMBRIEL

GS . CELESTIAL BODIES  
 . . NATURAL SATELLITES  
 . . . URANUS SATELLITES  
 . . . UMBRIEL  
 RT . URANUS (PLANET)

### UMKEHR EFFECT

RT ∞ EFFECTS  
 LIGHT SCATTERING  
 OZONOSPHERE  
 SUNLIGHT  
 ULTRAVIOLET RADIATION

### UMKLAPP PROCESS

RT . ELECTRON SCATTERING  
 PHONON BEAMS  
 PHONONS  
 PHOTON-ELECTRON INTERACTION  
 ∞ PROCESSES

### UNCAMBERED WINGS

GS . AIRFOILS  
 . WINGS  
 . . UNCAMBERED WINGS  
 . . . RING WINGS  
 RT . CAMBERED WINGS  
 FIXED WINGS  
 THIN WINGS  
 TWISTED WINGS

### UNCONSCIOUSNESS

GS . UNCONSCIOUSNESS  
 . . BLACKOUT (PHYSIOLOGY)  
 . . . BLACKOUT PREVENTION  
 . . NARCOSIS  
 RT . ANESTHESIA  
 ∞ COMA  
 SYNCOPE

### UNCONTROLLED REENTRY (SPACECRAFT)

GS . ATMOSPHERIC ENTRY  
 . REENTRY  
 . . HYPERSONIC REENTRY

### UNCONTROLLED REENTRY-(CONT.)

. . . UNCONTROLLED REENTRY  
 (SPACECRAFT)  
 . . . SPACECRAFT REENTRY  
 . . . UNCONTROLLED REENTRY  
 (SPACECRAFT)  
 RT . AERODYNAMIC HEATING  
 COSMOS 954 SATELLITE  
 DESCENT  
 FLIGHT PATHS  
 PLASMA SHEATHS  
 SPACECRAFT SURVIVABILITY

### UNCOUPLED MODES

GS . MODES  
 . VIBRATION MODE  
 . . UNCOUPLED MODES  
 RT . COUPLED MODES  
 COUPLES  
 MODES (STANDING WAVES)

### UNDAMPED OSCILLATIONS

GS . OSCILLATIONS  
 . UNDAMPED OSCILLATIONS  
 RT . AIRFOIL OSCILLATIONS  
 FLAPPING  
 FLUTTER  
 RESONANT VIBRATION  
 STABLE OSCILLATIONS  
 WING OSCILLATIONS

### UNDER SURFACE BLOWING

RT . AERODYNAMIC CHARACTERISTICS  
 AIRCRAFT CONFIGURATIONS  
 CIRCULATION CONTROL AIRFOILS  
 LIFT  
 ∞ SURFACES  
 UPPER SURFACE BLOWING

### UNDERCARRIAGES

GS . FRAMES  
 . UNDERCARRIAGES  
 RT . CARRIAGES  
 CARTS  
 CHASSIS  
 DOLLIES  
 LANDING GEAR  
 SUBSTRUCTURES  
 SUSPENSION SYSTEMS (VEHICLES)

### UNDERGROUND ACOUSTICS

RT . ACOUSTIC SOUNDING  
 EXPLORATION  
 MINERALS  
 STRATA

### UNDERGROUND COMMUNICATION

GS . COMMUNICATING  
 . UNDERGROUND COMMUNICATION  
 RT . RADIO COMMUNICATION

### UNDERGROUND EXPLOSIONS

GS . EXPLOSIONS  
 . UNDERGROUND EXPLOSIONS  
 RT . CHEMICAL EXPLOSIONS  
 GAS EXPLOSIONS  
 MINES (EXCAVATIONS)  
 NUCLEAR EXPLOSIONS  
 SEISMIC WAVES  
 THERMONUCLEAR EXPLOSIONS

### UNDERGROUND RADIO ANTENNA GRID (NAVY)

USE . SEAFARER PROJECT

### UNDERGROUND STORAGE

RT . DECOMMISSIONING  
 MINES (EXCAVATIONS)  
 MISSILE STORAGE  
 PROPELLANT STORAGE  
 ∞ STORAGE  
 STORAGE TANKS

### UNDERGROUND STRUCTURES

RT . CAVES  
 EXCAVATION  
 FOUNDATIONS  
 MINES (EXCAVATIONS)  
 MINING  
 PASSAGEWAYS  
 TUNNELING (EXCAVATION)

### UNDERGROUND TRANSMISSION LINES

GS . TRANSMISSION LINES  
 . UNDERGROUND TRANSMISSION LINES

### UNDERGROUND TRANSMISSION LINES-(CONT.)

RT . CIRCUITS  
 ELECTRIC POWER TRANSMISSION  
 ∞ LINES  
 ∞ NETWORKS  
 POWER LINES

### UNDERWATER ACOUSTICS

UF . HYDROACOUSTICS  
 UNDERWATER SOUND  
 GS . ACOUSTICS  
 . UNDERWATER ACOUSTICS  
 RT . ACOUSTIC SCATTERING  
 COHERENT ACOUSTIC RADIATION  
 DEEP SCATTERING LAYERS  
 ECHO SOUNDING  
 ELASTIC WAVES  
 LOFAR  
 NOISE (SOUND)  
 SHOCK WAVES  
 SONAR  
 SONOBUOYS  
 SOUND FIXING AND RANGING  
 SOUND TRANSDUCERS  
 THERMOCLINES  
 ULTRASONIC RADIATION  
 ULTRASONIC WAVE TRANSDUCERS

### UNDERWATER BREATHING APPARATUS

GS . BREATHING APPARATUS  
 . UNDERWATER BREATHING  
 APPARATUS  
 RT . ARGON-OXYGEN ATMOSPHERES  
 BIOENGINEERING  
 HELIUM-OXYGEN ATMOSPHERES  
 LIFE SUPPORT SYSTEMS

### UNDERWATER COMMUNICATION

GS . TELECOMMUNICATION  
 . COMMUNICATION  
 . . UNDERWATER COMMUNICATION  
 RT . SEAFARER PROJECT  
 SHOCK WAVES  
 SONAR  
 SONOBUOYS  
 SOUND TRANSDUCERS

### UNDERWATER ENGINEERING

RT . BREAKWATERS  
 ∞ ENGINEERING  
 SUBMERGED BODIES

### UNDERWATER EXPLOSIONS

GS . EXPLOSIONS  
 . UNDERWATER EXPLOSIONS  
 RT . ANTISUBMARINE WARFARE  
 CHEMICAL EXPLOSIONS  
 HYDROBALLISTICS  
 NUCLEAR EXPLOSIONS  
 THERMONUCLEAR EXPLOSIONS

### UNDERWATER OPTICS

RT . DIFFRACTION PATTERNS  
 DIFFRACTION PROPAGATION  
 GEOMETRICAL OPTICS  
 OPACITY  
 OPTICAL DENSITY  
 OPTICAL PATHS  
 ∞ OPTICS  
 REFRACTIVITY

### UNDERWATER PHOTOGRAPHY

GS . PHOTOGRAPHY  
 . UNDERWATER PHOTOGRAPHY  
 RT . CAMERAS  
 COLOR PHOTOGRAPHY  
 SEA WATER  
 SEAS  
 SUBMERGED BODIES

### UNDERWATER PHYSIOLOGY

GS . PHYSIOLOGY  
 . UNDERWATER PHYSIOLOGY  
 RT . DIVING (UNDERWATER)  
 ∞ SCIENCE  
 STRESS (PHYSIOLOGY)

### UNDERWATER PROPULSION

GS . PROPULSION  
 . MARINE PROPULSION  
 . . UNDERWATER PROPULSION  
 . . . SUBMARINE PROPULSION  
 RT . AEROQUATIC VEHICLES  
 CHEMICAL PROPULSION

## UNDERWATER RESEARCH LABORATORIES

### UNDERWATER PROPULSION-(CONT.)

ELECTRIC PROPULSION  
NUCLEAR PROPULSION  
PROPELLER DRIVE  
TORPEDO ENGINES

### UNDERWATER RESEARCH LABORATORIES

GS LABORATORIES  
    . UNDERWATER RESEARCH  
      LABORATORIES  
RESEARCH VEHICLES  
    . UNDERWATER RESEARCH  
      LABORATORIES  
SUBMERGED BODIES  
    . UNDERWATER RESEARCH  
      LABORATORIES  
WATER VEHICLES  
    . UNDERWATER VEHICLES  
    . UNDERWATER RESEARCH  
      LABORATORIES  
RT BATHYMETERS  
OCEAN DATA ACQUISITIONS SYSTEMS  
OCEANOGRAPHY

### UNDERWATER RESOURCES

GS RESOURCES  
    . EARTH RESOURCES  
    . . UNDERWATER RESOURCES  
RT CRUDE OIL  
DREDGING  
FOSSIL FUELS  
GEOTHERMAL RESOURCES  
MARINE RESOURCES  
MINERAL DEPOSITS  
OCEAN BOTTOM  
OCEANOGRAPHY  
OIL EXPLORATION  
SEA WATER  
WATER RESOURCES

### UNDERWATER SOUND

USE UNDERWATER ACOUSTICS

### UNDERWATER STRUCTURES

RT BREAKWATERS  
STRUCTURAL DESIGN  
SUBMERGED BODIES

### UNDERWATER TESTS

GS ENVIRONMENTAL TESTS  
    . UNDERWATER TESTS  
    . . NEUTRAL BUOYANCY SIMULATION  
RT CORROSION TESTS  
DIVING (UNDERWATER)  
WATER IMMERSION

### UNDERWATER TO SURFACE MISSILES

GS MISSILES  
    . UNDERWATER TO SURFACE MISSILES  
    . . SUBROC MISSILE  
RT . SURFACES

### UNDERWATER TRAJECTORIES

GS TRAJECTORIES  
    . UNDERWATER TRAJECTORIES  
RT ANTISUBMARINE WARFARE  
HYDROBALLISTICS  
MISSILE TRAJECTORIES  
SUBROC MISSILE  
TORPEDOES

### UNDERWATER VEHICLES

GS WATER VEHICLES  
    . UNDERWATER VEHICLES  
    . . SUBMARINES  
    . . . BALLISTIC MISSILE SUBMARINES  
    . . . GUIDED MISSILE SUBMARINES  
    . . . TRIDENT SUBMARINE  
    . . UNDERWATER RESEARCH  
      LABORATORIES  
RT AEROQUATIC VEHICLES  
BOATS  
    . MILITARY VEHICLES  
RESEARCH VEHICLES  
SHIPS  
SUBMERGED BODIES  
SURFACE VEHICLES  
    . VEHICLES

### UNIAXIAL STRAIN

USE AXIAL STRAIN

### UNIDENTIFIED FLYING OBJECTS

UF UFO

### UNIDENTIFIED FLYING OBJECTS-(CONT.)

RT . AIRCRAFT  
EXTRATERRESTRIAL INTELLIGENCE  
    . SPACECRAFT  
    . VEHICLES

### UNIFIED FIELD THEORY

GS FIELD THEORY (PHYSICS)  
    . GRAND UNIFIED THEORY  
    . . UNIFIED FIELD THEORY  
RT ELECTROMAGNETIC FIELDS  
ELECTROMAGNETIC INTERACTIONS  
ELECTROMAGNETISM  
GRAVITATION THEORY  
GRAVITATIONAL FIELDS  
PARTICLE THEORY  
PLASMA PHYSICS  
RELATIVITY  
STRING THEORY  
SUPERGRAVITY  
SUPERSYMMETRY  
THEORETICAL PHYSICS

### UNIFIED S BAND

RT APOLLO SPACECRAFT  
CARRIER FREQUENCIES  
CIRCUMLUNAR COMMUNICATION  
COMMUNICATION EQUIPMENT  
DIFFERENTIAL PULSE CODE  
MODULATION  
MANNED SPACE FLIGHT NETWORK  
PULSE CODE MODULATION  
SATELLITE COMMUNICATION  
SPACECRAFT COMMUNICATION  
SPACECRAFT TRACKING  
SUPERHIGH FREQUENCIES  
ULTRAHIGH FREQUENCIES

### UNIFORM FLOW

GS FLUID FLOW  
    . UNIFORM FLOW  
    . . BLASIUS FLOW  
RT AERODYNAMICS  
FLUID DYNAMICS  
GAS FLOW  
HEAT TRANSMISSION  
LAMINAR FLOW  
LIQUID FLOW  
MASS FLOW  
MULTIPHASE FLOW  
NONUNIFORM FLOW  
PIPE FLOW  
PRESSURE GRADIENTS  
QUASI-STEADY STATES  
SINGLE-PHASE FLOW  
SOLIDS FLOW  
STEADY FLOW  
STEAM FLOW  
SUBCRITICAL FLOW  
TURBULENT FLOW  
UNSTEADY FLOW

### UNIMOLECULAR STRUCTURES

RT MOLECULAR STRUCTURE  
    . STRUCTURES

### UNIONIZATION

RT FEDERATIONS  
ORGANIZING  
PERSONNEL  
    . UNIONS

### . UNIONS

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED-CONSULT THE TERMS  
LISTED BELOW)*  
RT BOOLEAN ALGEBRA  
UNIONIZATION  
UNIONS (CONNECTORS)

### UNIONS (CONNECTORS)

GS CONNECTORS  
    . UNIONS (CONNECTORS)  
RT COUPLINGS  
FASTENERS  
FITTINGS  
JOINTS (JUNCTIONS)  
LINKAGES  
    . UNIONS

### UNIPHASE FLOW

USE SINGLE-PHASE FLOW

### UNIPOLAR TRANSISTORS

USE FIELD EFFECT TRANSISTORS

### UNIQUENESS

RT ABNORMALITIES  
SINGULARITY (MATHEMATICS)

### UNIQUENESS THEOREM

GS THEOREMS  
    . UNIQUENESS THEOREM  
RT ALGEBRA  
COMPLEX VARIABLES  
GEOMETRY  
NUMBER THEORY  
PROBABILITY THEORY  
REAL VARIABLES

### UNITED ARAB EMIRATES

GS NATIONS  
    . UNITED ARAB EMIRATES

### UNITED KINGDOM

UF GREAT BRITAIN  
GS NATIONS  
    . UNITED KINGDOM  
    . . ENGLAND  
    . . SCOTLAND  
RT ENGLISH CHANNEL  
EUROPE  
UK SPACE PROGRAM

### UNITED KINGDOM SATELLITES

USE UK SATELLITES

### UNITED NATIONS

RT COMMUNITIES  
DEVELOPING NATIONS  
FEDERATIONS  
INTERNATIONAL COOPERATION  
INTERNATIONAL LAW  
NATIONS  
ORGANIZATIONS  
POLITICS  
SEA LAW  
WORLD METEOROLOGICAL  
ORGANIZATION

### UNITED STATES

UF USA (UNITED STATES)  
GS NATIONS  
    . UNITED STATES  
    . . ALABAMA  
    . . ALASKA  
    . . ARIZONA  
    . . ARKANSAS  
    . . CALIFORNIA  
    . . COLORADO  
    . . CONNECTICUT  
    . . DELAWARE  
    . . FLORIDA  
    . . GEORGIA  
    . . HAWAII  
    . . IDAHO  
    . . ILLINOIS  
    . . INDIANA  
    . . IOWA  
    . . KANSAS  
    . . KENTUCKY  
    . . LOUISIANA  
    . . MAINE  
    . . MARYLAND  
    . . MASSACHUSETTS  
    . . MICHIGAN  
    . . MINNESOTA  
    . . MISSISSIPPI  
    . . MISSOURI  
    . . MONTANA  
    . . NEBRASKA  
    . . NEVADA  
    . . NEW HAMPSHIRE  
    . . NEW JERSEY  
    . . NEW MEXICO  
    . . NEW YORK  
    . . NORTH CAROLINA  
    . . NORTH DAKOTA  
    . . OHIO  
    . . OKLAHOMA  
    . . OREGON  
    . . PENNSYLVANIA  
    . . RHODE ISLAND  
    . . SOUTH CAROLINA  
    . . SOUTH DAKOTA  
    . . TENNESSEE  
    . . TEXAS  
    . . UTAH

# UNMANNED SPACECRAFT

## UNITED STATES-(CONT.)

.. VERMONT  
.. VIRGINIA  
.. WASHINGTON  
.. WEST VIRGINIA  
.. WISCONSIN  
.. WYOMING  
RT ALEUTIAN ISLANDS (US)  
CASCADIE RANGE (CA-OR-WA)  
CENTRAL ATLANTIC REGION (US)  
DISTRICT OF COLUMBIA  
GREAT LAKES (NORTH AMERICA)  
GREAT PLAINS CORRIDOR (NORTH AMERICA)  
GUAM  
INTERNATIONAL FIELD YEAR FOR  
GREAT LAKES  
INTERNATIONAL HYDROLOGICAL  
DECADE  
MISSOURI RIVER (US)  
NEW ENGLAND (US)  
NORTH AMERICA  
PACIFIC NORTHWEST (US)  
PANAMA CANAL ZONE  
PUERTO RICO  
ROCKY MOUNTAINS (NORTH AMERICA)  
SOUTHERN CALIFORNIA  
VIRGIN ISLANDS

## UNITS OF MEASUREMENT

GS UNITS OF MEASUREMENT  
.. INTERNATIONAL SYSTEM OF UNITS  
RT CONVERSION TABLES  
DIMENSIONAL ANALYSIS  
DIMENSIONS  
∞ MEASUREMENT  
METRICATION  
METROLOGY  
MONTH  
PARAMETERIZATION  
SIDEREAL TIME  
SYMBOLS  
TIME

## UNITY

RT HOMOGENEITY  
STABILITY

## UNIVAC COMPUTERS

GS DATA PROCESSING EQUIPMENT  
.. COMPUTERS  
.. UNIVAC COMPUTERS  
.. UNIVAC LARC COMPUTER  
.. UNIVAC 80 COMPUTER  
.. UNIVAC 418 COMPUTER  
.. UNIVAC 490 COMPUTER  
.. UNIVAC 494 COMPUTER  
.. UNIVAC 1100 SERIES COMPUTERS  
.. UNIVAC 1105 COMPUTER  
.. UNIVAC 1106 COMPUTER  
.. UNIVAC 1107 COMPUTER  
.. UNIVAC 1108 COMPUTER  
.. UNIVAC 1110 COMPUTER  
.. UNIVAC 1230 COMPUTER  
RT DIGITAL COMPUTERS

## UNIVAC LARC COMPUTER

GS DATA PROCESSING EQUIPMENT  
.. COMPUTERS  
.. DIGITAL COMPUTERS  
.. UNIVAC LARC COMPUTER  
.. UNIVAC COMPUTERS  
.. UNIVAC LARC COMPUTER

## UNIVAC 80 COMPUTER

GS DATA PROCESSING EQUIPMENT  
.. COMPUTERS  
.. DIGITAL COMPUTERS  
.. UNIVAC 80 COMPUTER  
.. UNIVAC COMPUTERS  
.. UNIVAC 80 COMPUTER

## UNIVAC 418 COMPUTER

GS DATA PROCESSING EQUIPMENT  
.. COMPUTERS  
.. DIGITAL COMPUTERS  
.. UNIVAC 418 COMPUTER  
.. UNIVAC COMPUTERS  
.. UNIVAC 418 COMPUTER

## UNIVAC 490 COMPUTER

GS DATA PROCESSING EQUIPMENT  
.. COMPUTERS  
.. DIGITAL COMPUTERS  
.. UNIVAC 490 COMPUTER

## UNIVAC 490 COMPUTER-(CONT.)

.. UNIVAC COMPUTERS  
.. UNIVAC 490 COMPUTER

## UNIVAC 494 COMPUTER

GS DATA PROCESSING EQUIPMENT  
.. COMPUTERS  
.. DIGITAL COMPUTERS  
.. UNIVAC 494 COMPUTER  
.. UNIVAC COMPUTERS  
.. UNIVAC 494 COMPUTER

## UNIVAC 1100 SERIES COMPUTERS

GS DATA PROCESSING EQUIPMENT  
.. COMPUTERS  
.. ANALOG COMPUTERS  
.. UNIVAC 1100 SERIES COMPUTERS  
.. DIGITAL COMPUTERS  
.. UNIVAC 1100 SERIES COMPUTERS  
.. UNIVAC 1105 COMPUTER  
.. UNIVAC 1106 COMPUTER  
.. UNIVAC 1107 COMPUTER  
.. UNIVAC 1108 COMPUTER  
.. UNIVAC 1110 COMPUTER  
.. UNIVAC COMPUTERS  
.. UNIVAC 1100 SERIES COMPUTERS  
.. UNIVAC 1105 COMPUTER  
.. UNIVAC 1106 COMPUTER  
.. UNIVAC 1107 COMPUTER  
.. UNIVAC 1108 COMPUTER  
.. UNIVAC 1110 COMPUTER

## UNIVAC 1105 COMPUTER

GS DATA PROCESSING EQUIPMENT  
.. COMPUTERS  
.. DIGITAL COMPUTERS  
.. UNIVAC 1100 SERIES COMPUTERS  
.. UNIVAC 1105 COMPUTER  
.. UNIVAC COMPUTERS  
.. UNIVAC 1100 SERIES COMPUTERS  
.. UNIVAC 1105 COMPUTER

## UNIVAC 1106 COMPUTER

GS DATA PROCESSING EQUIPMENT  
.. COMPUTERS  
.. DIGITAL COMPUTERS  
.. UNIVAC 1100 SERIES COMPUTERS  
.. UNIVAC 1106 COMPUTER  
.. UNIVAC COMPUTERS  
.. UNIVAC 1100 SERIES COMPUTERS  
.. UNIVAC 1106 COMPUTER

## UNIVAC 1107 COMPUTER

GS DATA PROCESSING EQUIPMENT  
.. COMPUTERS  
.. DIGITAL COMPUTERS  
.. UNIVAC 1100 SERIES COMPUTERS  
.. UNIVAC 1107 COMPUTER  
.. UNIVAC COMPUTERS  
.. UNIVAC 1100 SERIES COMPUTERS  
.. UNIVAC 1107 COMPUTER

## UNIVAC 1108 COMPUTER

GS DATA PROCESSING EQUIPMENT  
.. COMPUTERS  
.. DIGITAL COMPUTERS  
.. UNIVAC 1100 SERIES COMPUTERS  
.. UNIVAC 1108 COMPUTER  
.. UNIVAC COMPUTERS  
.. UNIVAC 1100 SERIES COMPUTERS  
.. UNIVAC 1108 COMPUTER

## UNIVAC 1110 COMPUTER

GS DATA PROCESSING EQUIPMENT  
.. COMPUTERS  
.. DIGITAL COMPUTERS  
.. UNIVAC 1100 SERIES COMPUTERS  
.. UNIVAC 1110 COMPUTER  
.. UNIVAC COMPUTERS  
.. UNIVAC 1100 SERIES COMPUTERS  
.. UNIVAC 1110 COMPUTER

## UNIVAC 1230 COMPUTER

GS DATA PROCESSING EQUIPMENT  
.. COMPUTERS  
.. DIGITAL COMPUTERS  
.. UNIVAC 1230 COMPUTER  
.. UNIVAC COMPUTERS  
.. UNIVAC 1230 COMPUTER

## UNIVERSAL TIME

GS TIME  
.. UNIVERSAL TIME  
RT EPHEMERIS TIME

## UNIVERSE

UF METAGALAXY  
RT BIG BANG COSMOLOGY  
CELESTIAL BODIES  
COSMOLOGY  
∞ COSMOS  
DARK MATTER  
RELIC RADIATION

## UNIVERSITIES

UF COLLEGES  
RT EDUCATION  
INSTRUCTORS  
LEARNING  
SCHOOLS  
STUDENTS

## UNIVERSITY PROGRAM

GS PROGRAMS  
.. UNIVERSITY PROGRAM  
RT BUREAUS (ORGANIZATIONS)  
INVESTIGATION  
NASA PROGRAMS  
TEAMS

## UNLOADING

RT ∞ DISCHARGE  
DISPOSAL  
DUMPING  
EJECTION  
EMPTYING  
EVACUATING (TRANSPORTATION)  
EXPULSION  
LOADING OPERATIONS  
MATERIALS HANDLING  
RELEASING  
REMOVAL  
SPREADING

## UNLOADING WAVES

GS ELASTIC WAVES  
.. UNLOADING WAVES

## UNMANNED SPACECRAFT

GS UNMANNED SPACECRAFT  
.. ECHO 2 SATELLITE  
.. HEAO 1  
.. HEAO 2  
.. HEAO 3  
.. HOTOL LAUNCH VEHICLE  
.. PIONEER VENUS SPACECRAFT  
.. PIONEER VENUS 1 SPACECRAFT  
.. PIONEER VENUS 2 SPACECRAFT  
.. PIONEER VENUS 2 TRANSPORTER  
.. BUS  
.. SPACE PROBES  
.. EXPLORER 18 SATELLITE  
.. GIOTTO MISSION  
.. JUPITER PROBES  
.. GALILEO PROBE  
.. GALILEO SPACECRAFT  
.. LUNAR PROBES  
.. LUNIK LUNAR PROBES  
.. LUNIK 2 LUNAR PROBE  
.. LUNIK 3 LUNAR PROBE  
.. LUNIK 9 LUNAR PROBE  
.. LUNIK 10 LUNAR PROBE  
.. LUNIK 11 LUNAR PROBE  
.. LUNIK 12 LUNAR PROBE  
.. LUNIK 13 LUNAR PROBE  
.. LUNIK 14 LUNAR PROBE  
.. LUNIK 16 LUNAR PROBE  
.. LUNIK 17 LUNAR PROBE  
.. LUNIK 19 LUNAR PROBE  
.. LUNIK 20 LUNAR PROBE  
.. LUNIK 22 LUNAR PROBE  
.. RANGER LUNAR PROBES  
.. RANGER LUNAR LANDING  
.. VEHICLES  
.. RANGER 1 LUNAR PROBE  
.. RANGER 2 LUNAR PROBE  
.. RANGER 3 LUNAR PROBE  
.. RANGER 4 LUNAR PROBE  
.. RANGER 5 LUNAR PROBE  
.. RANGER 6 LUNAR PROBE  
.. RANGER 7 LUNAR PROBE  
.. RANGER 8 LUNAR PROBE  
.. RANGER 9 LUNAR PROBE  
.. SURVEYOR LUNAR PROBES  
.. SURVEYOR 1 LUNAR PROBE  
.. SURVEYOR 2 LUNAR PROBE  
.. SURVEYOR 3 LUNAR PROBE  
.. SURVEYOR 4 LUNAR PROBE  
.. SURVEYOR 5 LUNAR PROBE  
.. SURVEYOR 6 LUNAR PROBE



## UNSATURATION (CHEMISTRY)

### UNMANNED SPACECRAFT-(CONT.)

... SURVEYOR 7 LUNAR PROBE  
 ... MARINER SPACE PROBES  
 ... MARINER R 2 SPACE PROBE  
 ... MARINER 1 SPACE PROBE  
 ... MARINER 2 SPACE PROBE  
 ... MARINER 3 SPACE PROBE  
 ... MARINER 4 SPACE PROBE  
 ... MARINER 5 SPACE PROBE  
 ... MARINER 6 SPACE PROBE  
 ... MARINER 7 SPACE PROBE  
 ... MARINER 8 SPACE PROBE  
 ... MARINER 9 SPACE PROBE  
 ... MARINER 10 SPACE PROBE  
 ... MARINER 11 SPACE PROBE  
 ... MARINER SPACECRAFT  
 ... MARINER C SPACECRAFT  
 ... MARINER VENUS 67 SPACECRAFT  
 ... MARS PROBES  
 ... ADVANCED RECONN ELECTRIC SPACECRAFT  
 ... MARINER 3 SPACE PROBE  
 ... MARINER 4 SPACE PROBE  
 ... MARINER 6 SPACE PROBE  
 ... MARINER 7 SPACE PROBE  
 ... MARINER 8 SPACE PROBE  
 ... MARINER 9 SPACE PROBE  
 ... MARS OBSERVER  
 ... MARS 1 SPACECRAFT  
 ... MARS 2 SPACECRAFT  
 ... MARS 3 SPACECRAFT  
 ... MARS 4 SPACECRAFT  
 ... MARS 5 SPACECRAFT  
 ... MARS 6 SPACECRAFT  
 ... MARS 7 SPACECRAFT  
 ... VIKING SPACECRAFT  
 ... VIKING LANDER SPACECRAFT  
 ... VIKING LANDER 1  
 ... VIKING LANDER 2  
 ... VIKING ORBITER SPACECRAFT  
 ... VIKING ORBITER 1  
 ... VIKING ORBITER 2  
 ... VIKING ORBITER 1975  
 ... VIKING 1 SPACECRAFT  
 ... VIKING LANDER 1  
 ... VIKING ORBITER 1  
 ... VIKING 2 SPACECRAFT  
 ... VIKING LANDER 2  
 ... VIKING ORBITER 2  
 ... ZOND 2 SPACE PROBE  
 ... PIONEER SPACE PROBES  
 ... PIONEER VENUS 2 ENTRY PROBES  
 ... PIONEER VENUS 2 NIGHT PROBE  
 ... PIONEER VENUS 2 SOUNDER PROBE  
 ... PIONEER 1 SPACE PROBE  
 ... PIONEER 2 SPACE PROBE  
 ... PIONEER 3 SPACE PROBE  
 ... PIONEER 4 SPACE PROBE  
 ... PIONEER 5 SPACE PROBE  
 ... PIONEER 6 SPACE PROBE  
 ... PIONEER 7 SPACE PROBE  
 ... PIONEER 8 SPACE PROBE  
 ... PIONEER 9 SPACE PROBE  
 ... PIONEER 10 SPACE PROBE  
 ... PIONEER 11 SPACE PROBE  
 ... SOLAR PROBES  
 ... HELIOS A  
 ... HELIOS B  
 ... HELIOS 1  
 ... HELIOS 2  
 ... STARPROBE SPACECRAFT  
 ... SUNBLAZER SPACE PROBE  
 ... VENUS PROBES  
 ... MAGELLAN SPACECRAFT (NASA)  
 ... MARINER 1 SPACE PROBE  
 ... MARINER 2 SPACE PROBE  
 ... MARINER 5 SPACE PROBE  
 ... MARINER 10 SPACE PROBE  
 ... VENERA SATELLITES  
 ... VENERA 2 SATELLITE  
 ... VENERA 3 SATELLITE  
 ... VENERA 4 SATELLITE  
 ... VENERA 5 SATELLITE  
 ... VENERA 6 SATELLITE  
 ... VENERA 7 SATELLITE  
 ... VENERA 8 SATELLITE  
 ... VENERA 9 SATELLITE  
 ... VENERA 10 SATELLITE  
 ... VENERA 11 SATELLITE  
 ... VENERA 12 SATELLITE  
 ... ZOND 1 SPACE PROBE  
 ... ZOND 3 SPACE PROBE  
 ... ZOND 4 SPACE PROBE  
 ... ZOND 5 SPACE PROBE  
 ... ZOND 6 SPACE PROBE

### UNMANNED SPACECRAFT-(CONT.)

... ZOND 7 SPACE PROBE  
 ... ZOND 8 SPACE PROBE  
 ... VOYAGER 1 SPACECRAFT  
 ... VOYAGER 2 SPACECRAFT  
 ... TECHNOLOGY FEASIBILITY SPACECRAFT  
 ... ZOND SPACE PROBES  
 ... ZOND 1 SPACE PROBE  
 ... ZOND 2 SPACE PROBE  
 ... ZOND 3 SPACE PROBE  
 ... ZOND 4 SPACE PROBE  
 ... ZOND 5 SPACE PROBE  
 ... ZOND 6 SPACE PROBE  
 ... ZOND 7 SPACE PROBE  
 ... ZOND 8 SPACE PROBE  
 RT ARTIFICIAL SATELLITES  
 COMMUNICATION SATELLITES  
 GEOPHYSICAL SATELLITES  
 GRAVITY GRADIENT SATELLITES  
 INFLATABLE SPACECRAFT  
 INTERPLANETARY SPACECRAFT  
 LUNAR LANDING MODULES  
 LUNAR SATELLITES  
 LUNAR SPACECRAFT  
 MANNED SPACECRAFT  
 MARINER PROGRAM  
 METEOROLOGICAL SATELLITES  
 MILITARY SPACECRAFT  
 RECONNAISSANCE SPACECRAFT  
 RECOVERABLE SPACECRAFT  
 RENDEZVOUS SPACECRAFT  
 REUSABLE SPACECRAFT  
 SIRS B SATELLITE  
 SPACE CAPSULES  
 ∞ SPACECRAFT  
 VOYAGER PROJECT

### UNSATURATION (CHEMISTRY)

RT CHEMICAL BONDS  
 ∞ CHEMISTRY  
 PRECIPITATION (CHEMISTRY)  
 ∞ SATURATION  
 SATURATION (CHEMISTRY)

### UNSTEADY AERODYNAMICS

GS FLUID MECHANICS  
 ... FLUID DYNAMICS  
 ... GAS DYNAMICS  
 ... AERODYNAMICS  
 ... UNSTEADY AERODYNAMICS  
 RT AERODYNAMIC CHARACTERISTICS  
 AERODYNAMIC FORCES  
 AERODYNAMIC STABILITY  
 AEROELASTICITY  
 FLUTTER  
 FLUTTER ANALYSIS  
 UNSTEADY FLOW  
 WING OSCILLATIONS

### UNSTEADY FLOW

UF PULSATING FLOW  
 GS FLUID FLOW  
 ... UNSTEADY FLOW  
 ... OSCILLATING FLOW  
 RT AERODYNAMICS  
 CRITICAL FLOW  
 ∞ FLOW  
 FLOW STABILITY  
 FLOW VELOCITY  
 FLUID DYNAMICS  
 GAS FLOW  
 HEAT TRANSMISSION  
 HYDRODYNAMIC COEFFICIENTS  
 LAMINAR FLOW  
 LIQUID FLOW  
 MASS FLOW  
 METHOD OF CHARACTERISTICS  
 MULTIPHASE FLOW  
 NONEQUILIBRIUM FLOW  
 NONNEWTONIAN FLOW  
 NONUNIFORM FLOW  
 ORIFICE FLOW  
 PIPE FLOW  
 PRESSURE GRADIENTS  
 SINGLE-PHASE FLOW  
 SOLIDS FLOW  
 STEADY FLOW  
 STEADY STATE  
 STEAM FLOW  
 STROUHAL NUMBER  
 SUBCRITICAL FLOW  
 SUPERCRITICAL FLOW  
 TURBULENCE  
 UNIFORM FLOW

### UNSTEADY FLOW-(CONT.)

UNSTEADY AERODYNAMICS

### UNSTEADY STATE

RT ∞ EQUILIBRIUM  
 FLUID DYNAMICS  
 METASTABLE STATE  
 NONEQUILIBRIUM CONDITIONS  
 STABILITY  
 STEADY STATE  
 SYSTEMS STABILITY  
 THERMODYNAMICS

### UNSWEPT WINGS

GS AIRFOILS  
 ... WINGS  
 ... UNSWEPT WINGS  
 ... INFINITE SPAN WINGS  
 ... RECTANGULAR WINGS  
 ... RING WINGS  
 RT FIXED WINGS  
 SWEEP WINGS  
 WING PLANFORMS

### UP-CONVERTERS

GS FREQUENCY CONVERTERS  
 ... UP-CONVERTERS  
 RT ∞ CONVERTERS  
 PARAMETRIC FREQUENCY CONVERTERS  
 TRANSFORMERS

### UPDRAFTS

USE VERTICAL AIR CURRENTS

### UPGRADING

RT BENEFICIATION  
 CONCENTRATING  
 ENRICHMENT  
 EXPERIENCE  
 IMPROVEMENT  
 PROMOTION  
 PUBLIC RELATIONS  
 PURIFICATION  
 QUALITY  
 REFINING

### UPLINKING

RT CARRIER TO NOISE RATIOS  
 COMMUNICATION SATELLITES  
 DOWNLINKING  
 FREQUENCY REUSE  
 MICROWAVE TRANSMISSION  
 SATELLITE TRANSMISSION  
 TRANSMISSION EFFICIENCY

### UPPER AIR

USE UPPER ATMOSPHERE

### UPPER ATMOSPHERE

UF UPPER AIR  
 GS EARTH ATMOSPHERE  
 ... UPPER ATMOSPHERE  
 ... EARTH IONOSPHERE  
 ... E REGION  
 ... E-1 LAYER  
 ... E-2 LAYER  
 ... SPORADIC E LAYER  
 ... LOWER IONOSPHERE  
 ... D REGION  
 ... UPPER IONOSPHERE  
 ... F REGION  
 ... F 1 REGION  
 ... F 2 REGION  
 ... EXOSPHERE  
 ... THERMOSPHERE  
 ... TURBOPAUSE  
 RT ACOUSTIC SOUNDING  
 AERONOMY  
 CHEMOSPHERE  
 HETEROSPHERE  
 HIGH ALTITUDE  
 HOMOSPHERE  
 METEOR TRAILS  
 METEOROLOGICAL BALLOONS  
 MIDDLE ATMOSPHERE  
 OZONOSPHERE  
 PLASMASPHERE  
 PROTON PRECIPITATION  
 RADIATION BELTS  
 SATELLITE ATMOSPHERES

### UPPER IONOSPHERE

GS EARTH ATMOSPHERE  
 ... UPPER ATMOSPHERE

**UPPER IONOSPHERE-(CONT.)**

.. EARTH IONOSPHERE  
 .. **UPPER IONOSPHERE**  
 .. F REGION  
 .. F 1 REGION  
 .. F 2 REGION  
 RT E REGION

**UPPER STAGE ROCKET ENGINES**

GS ENGINES  
 .. ROCKET ENGINES  
 .. **UPPER STAGE ROCKET ENGINES**  
 RT INERTIAL UPPER STAGE  
 MULTISTAGE ROCKET VEHICLES  
 SPACECRAFT CONFIGURATIONS  
 SPINNING SOLID UPPER STAGE  
 STAGE SEPARATION

**UPPER SURFACE BLOWING**

RT AERODYNAMIC CHARACTERISTICS  
 AIRCRAFT CONFIGURATIONS  
 CIRCULATION CONTROL AIRFOILS  
 LIFT  
 ∞ SURFACES  
 UNDER SURFACE BLOWING

**UPPER SURFACE BLOWN FLAPS**

GS AIRFOILS  
 .. FLAPS (CONTROL SURFACES)  
 .. EXTERNALLY BLOWN FLAPS  
 .. **UPPER SURFACE BLOWN FLAPS**  
 CONTROL SURFACES  
 .. FLAPS (CONTROL SURFACES)  
 .. EXTERNALLY BLOWN FLAPS  
 .. **UPPER SURFACE BLOWN FLAPS**  
 RT AIRCRAFT STABILITY  
 BOUNDARY LAYER CONTROL  
 LIFT AUGMENTATION  
 LIFT DEVICES  
 ∞ SURFACES

**UPPER VOLTA**

USE BURKINA

**UPSETTING**

RT COLD PRESSING  
 COLD WORKING  
 FORMING TECHNIQUES  
 HOT ISOSTATIC PRESSING  
 HOT PRESSING  
 HOT WORKING  
 PRESSING (FORMING)  
 STAMPING

**UPSTREAM**

RT AIR CURRENTS  
 WATER CURRENTS  
 WIND DIRECTION

**UPWASH**

RT DOWNWASH  
 ∞ DRAFT  
 INTERFERENCE DRAG  
 INTERFERENCE LIFT

**UPWELLING**

USE UPWELLING WATER

**UPWELLING WATER**

UF UPWELLING  
 RT ATMOSPHERIC CIRCULATION  
 COASTS  
 OCEAN CURRENTS  
 WIND (METEOROLOGY)  
 WIND DIRECTION

**URACIL**

GS BASES (CHEMICAL)  
 .. **URACIL**  
 NITROGEN COMPOUNDS  
 .. **URACIL**  
 ORGANIC COMPOUNDS  
 .. CYCLIC COMPOUNDS  
 .. HETEROCYCLIC COMPOUNDS  
 .. PYRIMIDINES  
 .. **URACIL**  
 RT ALLOXAN  
 URIDYLIC ACID

**URANIUM**

GS CHEMICAL ELEMENTS  
 .. ACTINIDE SERIES  
 .. **URANIUM**  
 .. URANIUM ISOTOPES

**URANIUM-(CONT.)**

.. URANIUM 232  
 .. URANIUM 233  
 .. URANIUM 234  
 .. URANIUM 235  
 .. URANIUM 238  
 METALS  
 .. ACTINIDE SERIES  
 .. **URANIUM**  
 .. URANIUM ISOTOPES  
 .. URANIUM 232  
 .. URANIUM 233  
 .. URANIUM 234  
 .. URANIUM 235  
 .. URANIUM 238  
 RT FISSIONABLE MATERIALS  
 JET MEMBRANE PROCESS  
 NUCLEAR FUELS  
 URANIUM PLASMAS

**URANIUM ALLOYS**

GS ALLOYS  
 .. **URANIUM ALLOYS**  
 RT NUCLEAR FUEL ELEMENTS  
 NUCLEAR FUELS

**URANIUM CARBIDES**

GS ACTINIDE SERIES COMPOUNDS  
 .. URANIUM COMPOUNDS  
 .. **URANIUM CARBIDES**  
 CARBON COMPOUNDS  
 .. CARBIDES  
 .. **URANIUM CARBIDES**  
 RT CERAMIC NUCLEAR FUELS  
 NUCLEAR FUEL ELEMENTS  
 NUCLEAR FUELS

**URANIUM COMPOUNDS**

GS ACTINIDE SERIES COMPOUNDS  
 .. **URANIUM COMPOUNDS**  
 .. URANIUM CARBIDES  
 .. URANIUM FLUORIDES  
 .. URANIUM OXIDES  
 RT CERAMIC NUCLEAR FUELS  
 ∞ CHEMICAL COMPOUNDS  
 ∞ METAL COMPOUNDS  
 NUCLEAR FUELS

**URANIUM FLUORIDES**

GS ACTINIDE SERIES COMPOUNDS  
 .. URANIUM COMPOUNDS  
 .. **URANIUM FLUORIDES**  
 HALOGEN COMPOUNDS  
 .. FLUORINE COMPOUNDS  
 .. FLUORIDES  
 .. METAL FLUORIDES  
 .. **URANIUM FLUORIDES**

**URANIUM ISOTOPES**

GS CHEMICAL ELEMENTS  
 .. ACTINIDE SERIES  
 .. URANIUM  
 .. **URANIUM ISOTOPES**  
 .. URANIUM 232  
 .. URANIUM 233  
 .. URANIUM 234  
 .. URANIUM 235  
 .. URANIUM 238  
 .. NUCLIDES  
 .. ISOTOPES  
 .. **URANIUM ISOTOPES**  
 .. URANIUM 232  
 .. URANIUM 233  
 .. URANIUM 234  
 .. URANIUM 235  
 .. URANIUM 238  
 METALS  
 .. ACTINIDE SERIES  
 .. URANIUM  
 .. **URANIUM ISOTOPES**  
 .. URANIUM 232  
 .. URANIUM 233  
 .. URANIUM 234  
 .. URANIUM 235  
 .. URANIUM 238

**URANIUM OXIDES**

GS ACTINIDE SERIES COMPOUNDS  
 .. URANIUM COMPOUNDS  
 .. **URANIUM OXIDES**  
 CHALCOGENIDES  
 .. OXIDES  
 .. METAL OXIDES  
 .. **URANIUM OXIDES**  
 RT CERAMIC NUCLEAR FUELS

**URANIUM OXIDES-(CONT.)**

MIXED OXIDES  
 NUCLEAR FUELS

**URANIUM PLASMAS**

GS METALS  
 .. **URANIUM PLASMAS**  
 RT MAGNETOHYDRODYNAMICS  
 PLASMA COMPOSITION  
 PLASMA PHYSICS  
 RADIOACTIVE MATERIALS  
 URANIUM

**URANIUM 232**

GS CHEMICAL ELEMENTS  
 .. ACTINIDE SERIES  
 .. URANIUM  
 .. URANIUM ISOTOPES  
 .. **URANIUM 232**  
 .. NUCLIDES  
 .. ISOTOPES  
 .. RADIOACTIVE ISOTOPES  
 .. **URANIUM 232**  
 .. URANIUM ISOTOPES  
 .. **URANIUM 232**  
 METALS  
 .. ACTINIDE SERIES  
 .. URANIUM  
 .. URANIUM ISOTOPES  
 .. **URANIUM 232**

**URANIUM 233**

GS CHEMICAL ELEMENTS  
 .. ACTINIDE SERIES  
 .. URANIUM  
 .. URANIUM ISOTOPES  
 .. **URANIUM 233**  
 .. NUCLIDES  
 .. ISOTOPES  
 .. RADIOACTIVE ISOTOPES  
 .. **URANIUM 233**  
 .. URANIUM ISOTOPES  
 .. **URANIUM 233**  
 METALS  
 .. ACTINIDE SERIES  
 .. URANIUM  
 .. URANIUM ISOTOPES  
 .. **URANIUM 233**  
 RT NUCLEAR FUELS

**URANIUM 234**

GS CHEMICAL ELEMENTS  
 .. ACTINIDE SERIES  
 .. URANIUM  
 .. URANIUM ISOTOPES  
 .. **URANIUM 234**  
 .. NUCLIDES  
 .. ISOTOPES  
 .. URANIUM ISOTOPES  
 .. **URANIUM 234**  
 METALS  
 .. ACTINIDE SERIES  
 .. URANIUM  
 .. URANIUM ISOTOPES  
 .. **URANIUM 234**

**URANIUM 235**

GS CHEMICAL ELEMENTS  
 .. ACTINIDE SERIES  
 .. URANIUM  
 .. URANIUM ISOTOPES  
 .. **URANIUM 235**  
 .. NUCLIDES  
 .. ISOTOPES  
 .. URANIUM ISOTOPES  
 .. **URANIUM 235**  
 METALS  
 .. ACTINIDE SERIES  
 .. URANIUM  
 .. URANIUM ISOTOPES  
 .. **URANIUM 235**  
 RT NUCLEAR FUELS

**URANIUM 238**

GS CHEMICAL ELEMENTS  
 .. ACTINIDE SERIES  
 .. URANIUM  
 .. URANIUM ISOTOPES  
 .. **URANIUM 238**  
 .. NUCLIDES  
 .. ISOTOPES  
 .. RADIOACTIVE ISOTOPES  
 .. **URANIUM 238**  
 .. URANIUM ISOTOPES  
 .. **URANIUM 238**

## URANUS (PLANET)

### URANIUM 238-(CONT.)

RT METALS  
... ACTINIDE SERIES  
... URANIUM  
... URANIUM ISOTOPES  
... URANIUM 238  
RT NUCLEAR FUELS

### URANUS (PLANET)

GS CELESTIAL BODIES  
... PLANETS  
... GAS GIANT PLANETS  
... URANUS (PLANET)  
RT ARIEL  
MIRANDA  
OBERON  
TITANIA  
UMBRIEL  
URANUS ATMOSPHERE  
URANUS RINGS

### URANUS ATMOSPHERE

GS ENVIRONMENTS  
... EXTRATERRESTRIAL ENVIRONMENTS  
... PLANETARY ENVIRONMENTS  
... PLANETARY ATMOSPHERES  
... URANUS ATMOSPHERE  
RT AEROSPACE ENVIRONMENTS  
... ATMOSPHERES  
GAS GIANT PLANETS  
HYDROGEN  
METHANE  
PLANETARY IONOSPHERES  
URANUS (PLANET)

### URANUS RINGS

GS CELESTIAL BODIES  
... PLANETARY RINGS  
... URANUS RINGS  
RT JUPITER RINGS  
NATURAL SATELLITES  
PLANETARY STRUCTURE  
... RINGS  
SATURN RINGS  
URANUS (PLANET)

### URANUS SATELLITES

GS CELESTIAL BODIES  
... NATURAL SATELLITES  
... URANUS SATELLITES  
... ARIEL  
... MIRANDA  
... OBERON  
... TITANIA  
... UMBRIEL

### URBAN AREAS

USE CITIES

### URBAN DEVELOPMENT

RT CITIES  
COMMUNITIES  
... DEVELOPMENT  
ECONOMIC DEVELOPMENT  
INDUSTRIAL AREAS  
LAND USE  
MEGALOPOLISES  
OPERATIONS RESEARCH  
PARKS  
PLANNING  
... PLANS  
REGIONAL PLANNING  
RESIDENTIAL AREAS  
RESOURCES  
STARSITE PROGRAM  
TECHNOLOGIES

### URBAN PLANNING

GS PLANNING  
... REGIONAL PLANNING  
... URBAN PLANNING  
RT CENSUS  
CITIES  
COMMUNITIES  
HEAT ISLANDS  
HIGHWAYS  
LAND MANAGEMENT  
LAND USE  
PARKS  
PUBLIC HEALTH  
RECREATION  
SOCIAL FACTORS  
SOCIOLOGY  
STARSITE PROGRAM  
STREETS

### URBAN RESEARCH

RT CITIES  
COMMUNITIES  
LAND USE  
RECREATION  
SOCIAL FACTORS  
STREETS

### URBAN TRANSPORTATION

GS TRANSPORTATION  
... URBAN TRANSPORTATION  
RT AUTOMATED GUIDEWAY TRANSIT  
VEHICLES  
AUTOMATED MIXED TRAFFIC VEHICLES  
AUTOMATED TRANSIT VEHICLES  
INDUSTRIAL AREAS  
MEGALOPOLISES  
RAIL TRANSPORTATION  
RAPID TRANSIT SYSTEMS  
REGIONAL PLANNING  
SURFACE VEHICLES

### UREAS

GS NITROGEN COMPOUNDS  
... AMIDES  
... UREAS  
... DIFLUOROUREA  
... THIOUREAS  
... THIURONIUM  
RT DIURETICS  
FERTILIZERS  
URINE

### URETHANES

GS ESTERS  
... CARBAMATES (TRADENAME)  
... URETHANES  
RT CYANATES

### URIC ACID

GS ACIDS  
... URIC ACID  
FUNGICIDES  
... XANTHINES  
... URIC ACID  
NITROGEN COMPOUNDS  
... XANTHINES  
... URIC ACID  
ORGANIC COMPOUNDS  
... CYCLIC COMPOUNDS  
... HETEROCYCLIC COMPOUNDS  
... PURINES  
... XANTHINES  
... URIC ACID  
RT ALLOXAN

### URIDYLIC ACID

GS ACIDS  
... URIDYLIC ACID  
ORGANIC COMPOUNDS  
... NUCLEOTIDES  
... URIDYLIC ACID  
... ORGANIC PHOSPHORUS COMPOUNDS  
... URIDYLIC ACID  
PHOSPHORUS COMPOUNDS  
... ORGANIC PHOSPHORUS COMPOUNDS  
... URIDYLIC ACID  
... PHOSPHATES  
... URIDYLIC ACID  
RT AMINO ACIDS  
NUCLEIC ACIDS  
URACIL

### URINALYSIS

GS CHEMICAL TESTS  
... CHEMICAL ANALYSIS  
... URINALYSIS  
RT DIABETES MELLITUS  
PHYSIOLOGICAL TESTS  
URINE

### URINATION

UF MICTURITION  
RT DIURESIS  
URINE  
WATER BALANCE

### URINE

GS BODY FLUIDS  
... URINE  
WASTES  
... LIQUID WASTES  
... URINE  
... METABOLIC WASTES  
... HUMAN WASTES

### URINE-(CONT.)

... URINE  
RT ANTIDIURETICS  
CREATININE  
EXCRETION  
FECES  
HEMATURIA  
KIDNEYS  
UREAS  
URINALYSIS  
URINATION

### UROGRAPHY

GS IMAGERY  
... RADIOGRAPHY  
... UROGRAPHY  
PHOTOGRAPHY  
... UROGRAPHY  
RT BLACK AND WHITE PHOTOGRAPHY

### UROLITHIASIS

GS DISEASES  
... UROLITHIASIS  
RT CALCULI  
KIDNEYS  
UROLOGY

### UROLOGY

GS MEDICAL SCIENCE  
... UROLOGY  
RT BLADDER  
GENITOURINARY SYSTEM  
KIDNEYS  
UROLITHIASIS

### URUGUAY

GS NATIONS  
... URUGUAY  
RT SOUTH AMERICA

### US-2A AIRCRAFT

USE S-2 AIRCRAFT

### USA (UNITED STATES)

USE UNITED STATES

### USER MANUALS (COMPUTER PROGRAMS)

GS DOCUMENTS  
... HANDBOOKS  
... USER MANUALS (COMPUTER PROGRAMS)  
... MANUALS  
... USER MANUALS (COMPUTER PROGRAMS)  
RT COMPUTER PROGRAMS  
PROGRAMS  
REPORT GENERATORS  
... ROUTINES  
SUBROUTINES

### USER REQUIREMENTS

RT COMMERCE LAB  
INTERNATIONAL COOPERATION  
MAN-COMPUTER INTERFACE  
REQUIREMENTS  
SPECIFICATIONS

### USER-COMPUTER INTERFACE

USE MAN-COMPUTER INTERFACE

### USNS KINGSPOUT

USE SATELLITE COMMUNICATIONS SHIPS

### UTAH

GS NATIONS  
... UNITED STATES  
... UTAH  
RT COLORADO PLATEAU (US)  
COLORADO RIVER (NORTH AMERICA)  
GREAT BASIN (US)  
GREAT SALT LAKE (UT)

### UTERUS

GS ANATOMY  
... GENITOURINARY SYSTEM  
... REPRODUCTIVE SYSTEMS  
... UTERUS  
RT ... REPRODUCTION

### UTILITIES

RT ... ELECTRIC EQUIPMENT  
... ELECTRIC POWER  
GARBAGE  
INDUSTRIES

**UTILITIES-(CONT.)**

INTEGRATED ENERGY SYSTEMS  
LOGISTICS  
MODULAR INTEGRATED UTILITY SYSTEM  
SERVICES  
SITE SELECTION  
TELEPHONES  
WASTE DISPOSAL  
WATER

**UTILITY AIRCRAFT**

GS **UTILITY AIRCRAFT**  
BO-105 HELICOPTER  
C-140 AIRCRAFT  
DHC 4 AIRCRAFT  
DHC 5 AIRCRAFT  
DO-27 AIRCRAFT  
DO-28 AIRCRAFT  
HC-3 HELICOPTER  
HH-43 HELICOPTER  
OH-13 HELICOPTER  
OH-23 HELICOPTER  
P-531 HELICOPTER  
PD-808 AIRCRAFT  
S-2 AIRCRAFT  
SAAB 105 AIRCRAFT  
T-39 AIRCRAFT  
U-2 AIRCRAFT  
U-10 AIRCRAFT  
UH-1 HELICOPTER  
UH-2 HELICOPTER  
UH-34 HELICOPTER  
UH-60A HELICOPTER  
UH-61A HELICOPTER  
WESTLAND WHIRLWIND HELICOPTER  
XV-8A AIRCRAFT  
Z-37 AIRCRAFT

RT  $\infty$  AIRCRAFT  
BIPLANES  
CARGO AIRCRAFT  
COMMERCIAL AIRCRAFT  
GENERAL AVIATION AIRCRAFT  
HELICOPTERS  
LIGHT AIRCRAFT  
 $\infty$  MILITARY AIRCRAFT  
OBSERVATION AIRCRAFT  
RECONNAISSANCE AIRCRAFT  
SNOW AIRCRAFT  
 $\infty$  SUBSONIC AIRCRAFT  
TERRAIN FOLLOWING AIRCRAFT  
TRANSPORT AIRCRAFT  
V/STOL AIRCRAFT  
WATER TAKEOFF AND LANDING  
AIRCRAFT

**UTILIZATION**

UF APPLICATION  
GS **UTILIZATION**  
COAL UTILIZATION  
GEOTHERMAL ENERGY UTILIZATION  
LASER APPLICATIONS  
LASER CUTTING  
LASER FUSION  
REUSE  
WASTE ENERGY UTILIZATION  
WASTE UTILIZATION  
WINDPOWER UTILIZATION

RT CONSUMPTION  
DEPLETION  
EFFICIENCY  
TECHNOLOGY UTILIZATION

**UTRICLE**

RT PLANTS (BOTANY)  
SEEDS

**UV CETI STARS**

USE FLARE STARS

**UV LASERS**

USE ULTRAVIOLET LASERS

**V****V BAND**

USE EXTREMELY HIGH FREQUENCIES

**V GROOVES**

GS GROOVES  
V GROOVES  
RT MACHINING  
NOTCHES

**V-1 MISSILE**

GS MISSILES  
SURFACE TO SURFACE MISSILES  
V-1 MISSILE  
RT LIQUID PROPELLANT ROCKET ENGINES  
PULSEJET ENGINES

**V-2 MISSILE**

GS MISSILES  
BALLISTIC MISSILES  
V-2 MISSILE  
RT LIQUID PROPELLANT ROCKET ENGINES

**V-3 AIRCRAFT**

USE XV-3 AIRCRAFT

**V-4 AIRCRAFT**

USE XV-4 AIRCRAFT

**V-5 AIRCRAFT**

USE XV-5 AIRCRAFT

**V-9 AIRCRAFT**

USE XV-9A AIRCRAFT

**V/STOL AIRCRAFT**

UF CONVERTAPLANES  
STEEP GRADIENT AIRCRAFT  
GS **V/STOL AIRCRAFT**  
CL-84 AIRCRAFT  
DO-31 AIRCRAFT  
FV-12A AIRCRAFT  
G-95/4 AIRCRAFT  
G-222 AIRCRAFT  
L-29 JET TRAINER  
P-1127 AIRCRAFT  
P-1154 AIRCRAFT  
ROTARY WING AIRCRAFT  
AUTOGYROS  
AVIAN 2/180 AUTOGIRO  
HELICOPTERS  
ALOUETTE HELICOPTERS  
SA-330 HELICOPTER  
SE-3160 HELICOPTER  
BELL 214A HELICOPTER  
BO-105 HELICOPTER  
CH-21 HELICOPTER  
COMPOUND HELICOPTERS  
H-17 HELICOPTER  
H-54 HELICOPTER  
HC-3 HELICOPTER  
MILITARY HELICOPTERS  
AH-1G HELICOPTER  
AH-64 HELICOPTER  
CH-3 HELICOPTER  
CH-34 HELICOPTER  
CH-46 HELICOPTER  
CH-47 HELICOPTER  
CH-54 HELICOPTER  
H-19 HELICOPTER  
H-43 HELICOPTER  
H-53 HELICOPTER  
H-56 HELICOPTER  
H-60 HELICOPTER  
HEAVY LIFT HELICOPTERS  
CH-62 HELICOPTER  
HH-43 HELICOPTER  
OH-4 HELICOPTER  
OH-5 HELICOPTER  
OH-6 HELICOPTER  
OH-13 HELICOPTER  
OH-23 HELICOPTER  
OH-58 HELICOPTER  
QH-50 HELICOPTER  
S-58 HELICOPTER  
S-61 HELICOPTER  
SA-330 HELICOPTER  
UH-1 HELICOPTER  
UH-2 HELICOPTER  
UH-34 HELICOPTER  
UH-60A HELICOPTER  
UH-61A HELICOPTER  
P-531 HELICOPTER  
RIGID ROTOR HELICOPTERS  
CH-3 HELICOPTER  
F-28 HELICOPTER  
XH-51 HELICOPTER  
SA-321 HELICOPTER  
SH-3 HELICOPTER  
SH-4 HELICOPTER  
SIKORSKY WHIRLWIND HELICOPTER  
TANDEM ROTOR HELICOPTERS  
CH-46 HELICOPTER  
CH-47 HELICOPTER  
H-25 HELICOPTER

**V/STOL AIRCRAFT-(CONT.)**

TH-55 HELICOPTER  
WESTLAND WHIRLWIND  
HELICOPTER  
XV-8A AIRCRAFT  
ROTOR SYSTEMS RESEARCH  
AIRCRAFT  
TILT ROTOR AIRCRAFT  
XV-15 AIRCRAFT  
SHORT TAKEOFF AIRCRAFT  
ALADIN 2 AIRCRAFT  
BREGUET 940 AIRCRAFT  
BREGUET 941 AIRCRAFT  
C-8A AUGMENTOR WING AIRCRAFT  
C-15 AIRCRAFT  
C-123 AIRCRAFT  
DHC 4 AIRCRAFT  
DHC 5 AIRCRAFT  
QUESTOL  
U-10 AIRCRAFT  
VERTICAL TAKEOFF AIRCRAFT  
FLYING PLATFORMS  
SC-1 AIRCRAFT  
VJ-101 AIRCRAFT  
VZ-8 AIRCRAFT  
X-13 AIRCRAFT  
X-14 AIRCRAFT  
X-19 AIRCRAFT  
X-22 AIRCRAFT  
X-22A AIRCRAFT  
XC-142 AIRCRAFT  
XV-4 AIRCRAFT  
XV-11A AIRCRAFT  
VZ-2 AIRCRAFT  
XV-3 AIRCRAFT  
XV-5 AIRCRAFT  
XV-8A AIRCRAFT

RT  $\infty$  AIRCRAFT  
ANTISUBMARINE WARFARE AIRCRAFT  
ATTACK AIRCRAFT  
COMMERCIAL AIRCRAFT  
DRONE AIRCRAFT  
FAN IN WING AIRCRAFT  
FIGHTER AIRCRAFT  
GROUND EFFECT MACHINES  
HELIPORTS  
HOVERING  
JET AIRCRAFT  
 $\infty$  MILITARY AIRCRAFT  
PASSENGER AIRCRAFT  
RECONNAISSANCE AIRCRAFT  
RESEARCH AIRCRAFT  
SHORT HAUL AIRCRAFT  
TILT WING AIRCRAFT  
TRANSPORT AIRCRAFT  
UTILITY AIRCRAFT  
VERTICAL FLIGHT  
WESER AIRCRAFT  
WESTLAND AIRCRAFT

**VACANCIES (CRYSTAL DEFECTS)**

GS DEFECTS  
CRYSTAL DEFECTS  
POINT DEFECTS  
VACANCIES (CRYSTAL DEFECTS)  
FRENKEL DEFECTS

RT HOLES (ELECTRON DEFICIENCIES)  
SQUARE WELLS

**VACCINES**

GS **VACCINES**  
INOCULUM  
RT ANTIBODIES  
ANTIGENS  
ANTISERUMS  
BACTERIOLOGY  
BIOCOMPATIBILITY  
DISEASES  
DRUGS  
EPIDEMIOLOGY  
INOCULATION  
TOXICOLOGY  
TOXINS AND ANTITOXINS

**VACCINATION**

RT DITHERS  
HUMAN REACTIONS

**VACUUM**

UF ASPIRATION  
GS PRESSURE  
VACUUM  
HIGH VACUUM  
LOW VACUUM  
ULTRAHIGH VACUUM

## VACUUM APPARATUS

### VACUUM-(CONT.)

RT AEROSPACE ENVIRONMENTS  
BOUNDARY LAYER CONTROL  
EVACUATING (VACUUM)  
GETTERS  
HIGH PRESSURE  
KNUDSEN FLOW  
LOW PRESSURE  
MEAN FREE PATH  
OFFGASSING  
OUTGASSING  
PRESSURE MEASUREMENT  
RAREFACTION  
SUCTION

### VACUUM APPARATUS

GS **VACUUM APPARATUS**  
VACUUM CHAMBERS  
VACUUM FURNACES  
VACUUM GAGES  
IONIZATION GAGES  
ALPHATRONS  
BAYARD-ALPERT IONIZATION  
GAGES  
PENNING GAGES  
PHILIPS IONIZATION GAGES  
KNUDSEN GAGES  
MCLEOD GAGES  
PIRANI GAGES  
VACUUM PUMPS  
CONDENSATION PUMPS  
ION PUMPS  
MOLECULAR PUMPS  
RT COLD TRAPS  
DIFFUSION PUMPS  
HIGH VACUUM  
LOW DENSITY RESEARCH  
RESIDUAL GAS  
SUCTION  
ULTRAHIGH VACUUM  
VACUUM ARC SWITCHES

### VACUUM ARC SWITCHES

GS SWITCHES  
ELECTRIC SWITCHES  
VACUUM ARC SWITCHES  
RT AIRBORNE EQUIPMENT  
SWITCHING CIRCUITS  
VACUUM APPARATUS  
VACUUM EFFECTS

### VACUUM CHAMBERS

UF LOW PRESSURE CHAMBERS  
GS COMPARTMENTS  
TEST CHAMBERS  
PRESSURE CHAMBERS  
VACUUM CHAMBERS  
VACUUM APPARATUS  
VACUUM CHAMBERS  
RT ALTITUDE SIMULATION  
CHAMBERS  
HIGH ALTITUDE ENVIRONMENTS  
HIGH ALTITUDE PRESSURE  
HYPERBARIC CHAMBERS  
PRESSURE  
SPACE ENVIRONMENT SIMULATION  
SPACE SIMULATORS  
THERMAL VACUUM TESTS  
WIND TUNNEL DRIVES

### VACUUM DEPOSITION

GS DEPOSITION  
VAPOR DEPOSITION  
VACUUM DEPOSITION  
RT CERAMIC COATINGS  
ELECTROLESS DEPOSITION  
ION PLATING

### VACUUM EFFECTS

RT COLD WELDING  
EFFECTS  
ENVIRONMENTS  
OFFGASSING  
PRESSURE EFFECTS  
SPACE MANUFACTURING  
VACUUM ARC SWITCHES

### VACUUM FURNACES

GS HEATING EQUIPMENT  
FURNACES  
VACUUM FURNACES  
VACUUM APPARATUS  
VACUUM FURNACES  
RT SOLAR FURNACES

### VACUUM GAGES

GS MEASURING INSTRUMENTS  
PRESSURE GAGES  
VACUUM GAGES  
IONIZATION GAGES  
ALPHATRONS  
BAYARD-ALPERT IONIZATION  
GAGES  
PENNING GAGES  
PHILIPS IONIZATION GAGES  
KNUDSEN GAGES  
MCLEOD GAGES  
PIRANI GAGES  
VACUUM APPARATUS  
VACUUM GAGES  
IONIZATION GAGES  
ALPHATRONS  
BAYARD-ALPERT IONIZATION  
GAGES  
PENNING GAGES  
PHILIPS IONIZATION GAGES  
KNUDSEN GAGES  
MCLEOD GAGES  
PIRANI GAGES  
RT BAROMETERS  
MANOMETERS  
ORBITRONS  
PRESSURE MEASUREMENT

### VACUUM MELTING

GS PHASE TRANSFORMATIONS  
MELTING  
VACUUM MELTING  
RT ARC MELTING  
INDUCTION HEATING  
LEVITATION  
POWDER METALLURGY  
ZONE MELTING

### VACUUM PUMPS

GS PUMPS  
VACUUM PUMPS  
CONDENSATION PUMPS  
ION PUMPS  
MOLECULAR PUMPS  
VACUUM APPARATUS  
VACUUM PUMPS  
CONDENSATION PUMPS  
ION PUMPS  
MOLECULAR PUMPS  
RT COMPRESSORS  
CRYOPUMPING  
DIFFUSION PUMPS  
EJECTORS  
EVACUATING (VACUUM)  
JET PUMPS  
MATERIALS HANDLING  
OUTGASSING  
SUCTION  
VACUUM SPECTROSCOPY  
GS SPECTROSCOPY  
VACUUM SPECTROSCOPY  
RT GAS SPECTROSCOPY  
INFRARED SPECTROSCOPY  
MAGNETIC SPECTROSCOPY  
MASS SPECTROSCOPY  
MOLECULAR SPECTROSCOPY  
NUCLEAR RADIATION SPECTROSCOPY  
SPECTROSCOPIC ANALYSIS  
ULTRAVIOLET SPECTROSCOPY  
X RAY SPECTROSCOPY

### VACUUM SYSTEMS

RT AMPOULES  
SYSTEMS

### VACUUM TESTS

GS VACUUM TESTS  
THERMAL VACUUM TESTS  
RT HIGH VACUUM  
HYPOBARIC ATMOSPHERES  
TEST CHAMBERS  
TESTS  
ULTRAHIGH VACUUM

### VACUUM TUBE OSCILLATORS

GS ELECTRON TUBES  
VACUUM TUBES  
VACUUM TUBE OSCILLATORS  
OSCILLATORS  
VACUUM TUBE OSCILLATORS  
RT AUTODYNES  
FREQUENCY MODULATION  
PHOTOMULTIPLIERS

### VACUUM TUBE OSCILLATORS-(CONT.) MICROWAVE OSCILLATORS

### VACUUM TUBES

GS ELECTRON TUBES  
VACUUM TUBES  
CATHODE RAY TUBES  
PICTURE TUBES  
CESIUM DIODES  
MICROWAVE TUBES  
CELESCOPES  
CYCLOTRON RESONANCE DEVICES  
KLYSTRONS  
MAGNETRONS  
NIGOTRONS  
PLANOTRONS  
TRAVELING WAVE TUBES  
BACKWARD WAVE TUBES  
HELITRONS  
CARCINOTRONS  
VACUUM TUBE OSCILLATORS  
RT PENTODES  
PERVEANCE  
RESIDUAL GAS

### VACUUM ULTRAVIOLET RADIATION USE FAR ULTRAVIOLET RADIATION

### VADOSE WATER

GS WATER  
VADOSE WATER  
RT COASTAL WATER  
EVAPOTRANSPIRATION  
LAKE TEXOMA (OK-TX)  
NEARSHORE WATER  
RIVER BASINS  
SOILS  
WATER TABLES

### VALENCE

GS VALENCE  
OCTETS  
RT CHEMICAL BONDS  
CONDUCTION ELECTRONS  
ION CHARGE  
IONS  
POSITIVE IONS  
QUANTUM WELLS  
TRIVALENT IONS

### VALERIC ACID

GS ACIDS  
CARBOXYLIC ACIDS  
FATTY ACIDS  
VALERIC ACID  
ORGANIC COMPOUNDS  
CARBOXYLIC ACIDS  
FATTY ACIDS  
VALERIC ACID

### VALIANT AIRCRAFT

UF VICKERS VALIANT AIRCRAFT  
GS ATTACK AIRCRAFT  
BOMBER AIRCRAFT  
VALIANT AIRCRAFT  
BAC AIRCRAFT  
VALIANT AIRCRAFT  
JET AIRCRAFT  
VALIANT AIRCRAFT  
MONOPLANES  
VALIANT AIRCRAFT  
RT AIRCRAFT  
RECONNAISSANCE AIRCRAFT  
TANKER AIRCRAFT

### VALIDATION USE PROVING

### VALIDITY

RT ACCEPTABILITY  
ACCURACY  
ADEQUACY  
CONSISTENCY  
CORRELATION  
EXISTENCE  
MATHEMATICAL MODELS  
PRECISION  
QUALITY  
RELIABILITY  
SIMULATION  
STANDARDS  
STATISTICAL TESTS  
VARIABILITY

# VANGUARD 1 SATELLITE

## VALKYRIE AIRCRAFT

USE B-70 AIRCRAFT

## VALLEYS

UF INTERMONTANE FLOORS  
RIFT VALLEYS  
RILLS

GS **VALLEYS**  
. COACHELLA VALLEY (CA)  
. DEATH VALLEY (CA)  
. IMPERIAL VALLEY (CA)  
. MAGDALENA-CAUCA VALLEY (COLOMBIA)  
. PALO VERDE VALLEY (CA)  
. POTOMAC RIVER VALLEY (MD-VA-WV)  
. SACRAMENTO VALLEY (CA)  
. SAN JOAQUIN VALLEY (CA)  
. SHENANDOAH VALLEY (VA)  
. ST LAWRENCE VALLEY (NORTH AMERICA)  
. TENNESSEE VALLEY (AL-KY-TN)

RT CANYONS  
DELAWARE RIVER BASIN (US)  
EROSION  
MEANDERS  
MISSOURI RIVER (US)  
RAVINES  
RIVERS  
STRUCTURAL BASINS  
SUSQUEHANNA RIVER BASIN (MD-NY-PA)  
TOPOGRAPHY  
WADIS  
WATERSHEDS

## VALSALVA EXERCISE

UF VALSALVA MANEUVER  
RT RESPIRATION

## VALSALVA MANEUVER

USE VALSALVA EXERCISE

## VALUE

GS **VALUE**  
. Q VALUES

RT AMOUNT  
ASSESSMENTS  
COSTS  
DAMAGE ASSESSMENT  
ESTIMATES  
ESTIMATING  
EVALUATION  
FIGURE OF MERIT  
LEVEL (QUANTITY)  
NORMS  
RANKING  
TECHNOLOGY ASSESSMENT

## VALUE ENGINEERING

RT COST ANALYSIS  
COST ESTIMATES  
COST INCENTIVES  
COST REDUCTION  
DESIGN ANALYSIS  
ECONOMIC ANALYSIS  
ENGINEERING  
INCENTIVE TECHNIQUES  
LIFE CYCLE COSTS  
MANAGEMENT PLANNING  
QUALITY CONTROL  
RELIABILITY ENGINEERING  
STANDARDS

## VALVES

UF HYDRAULIC VALVES

GS **VALVES**  
. ARTIFICIAL HEART VALVES  
. AUTOMATIC CONTROL VALVES  
. PRESSURE REGULATORS  
. RELIEF VALVES  
. BUTTERFLY VALVES  
. DAMPERS (VALVES)  
. COCKS  
. CONTROL VALVES  
. FUEL VALVES  
. GAS VALVES  
. HEART VALVES  
. SOLENOID VALVES

RT BALLS  
CHOKES (RESTRICTIONS)  
CLOSURES  
DIVERTERS  
ENGINE PARTS  
HYDRAULIC EQUIPMENT  
PACKINGS (SEALS)

## VALVES-(CONT.)

PNEUMATIC CIRCUITS  
PNEUMATIC EQUIPMENT  
SEALS (STOPPERS)  
TRAPS  
WATER HAMMER

## VAMPIRE AIRCRAFT

USE DH 115 AIRCRAFT

## VAMPIRE MK 35 AIRCRAFT

GS ATTACK AIRCRAFT  
. FIGHTER AIRCRAFT  
. **VAMPIRE MK 35 AIRCRAFT**  
HAWKER SIDDELEY AIRCRAFT  
. **VAMPIRE MK 35 AIRCRAFT**  
JET AIRCRAFT  
. **VAMPIRE MK 35 AIRCRAFT**  
SINGLE ENGINE AIRCRAFT  
. **VAMPIRE MK 35 AIRCRAFT**

RT  $\infty$  AIRCRAFT  
BOMBER AIRCRAFT  
HARRIER AIRCRAFT

## VAN ALLEN RADIATION BELTS

USE RADIATION BELTS

## VAN BIESBROECK STAR

GS CELESTIAL BODIES  
. STARS  
. LATE STARS  
. COOL STARS  
. M STARS  
. **VAN BIESBROECK STAR**

## VAN DE GRAAFF ACCELERATORS

GS PARTICLE ACCELERATORS  
. **VAN DE GRAAFF ACCELERATORS**

RT  $\infty$  ACCELERATORS  
ELECTRON ACCELERATORS

## VAN DER WAAL FORCES

RT DIPOLE MOMENTS  
 $\infty$  FORCE  
INTERATOMIC FORCES  
INTERMOLECULAR FORCES

## VAN SLYKE METHOD

GS CHEMICAL TESTS  
. CHEMICAL ANALYSIS  
. GAS ANALYSIS  
. **VAN SLYKE METHOD**  
. QUANTITATIVE ANALYSIS  
. **VAN SLYKE METHOD**

RT  $\infty$  METHODOLOGY

## VANADATES

GS VANADIUM COMPOUNDS  
. **VANADATES**  
. CALCIUM VANADATES

RT METAL OXIDES  
VANADIUM OXIDES

## VANADIUM

GS CHEMICAL ELEMENTS  
. **VANADIUM**  
. VANADIUM ISOTOPES  
METALS  
. TRANSITION METALS  
. **VANADIUM**  
. VANADIUM ISOTOPES

RT VANADIUM ALLOYS

## VANADIUM ALLOYS

GS ALLOYS  
. **VANADIUM ALLOYS**

RT ALUMINUM ALLOYS  
MICROSTRUCTURE  
TITANIUM ALLOYS  
VANADIUM

## VANADIUM CARBIDES

GS CARBON COMPOUNDS  
. CARBIDES  
. **VANADIUM CARBIDES**  
VANADIUM COMPOUNDS  
. **VANADIUM CARBIDES**

## VANADIUM COMPOUNDS

GS **VANADIUM COMPOUNDS**  
. VANADATES  
. CALCIUM VANADATES  
. VANADIUM CARBIDES  
. VANADIUM OXIDES

## VANADIUM COMPOUNDS-(CONT.)

. VANADYL COMPOUNDS  
RT  $\infty$  CHEMICAL COMPOUNDS  
 $\infty$  GROUP 5B COMPOUNDS  
 $\infty$  METAL COMPOUNDS

## VANADIUM ISOTOPES

GS CHEMICAL ELEMENTS  
. NUCLIDES  
. ISOTOPES  
. **VANADIUM ISOTOPES**  
. VANADIUM  
. **VANADIUM ISOTOPES**  
METALS  
. TRANSITION METALS  
. VANADIUM  
. **VANADIUM ISOTOPES**

## VANADIUM OXIDES

GS CHALCOGENIDES  
. OXIDES  
. METAL OXIDES  
. **VANADIUM OXIDES**  
VANADIUM COMPOUNDS  
. **VANADIUM OXIDES**

RT VANADATES

## VANADYL COMPOUNDS

GS VANADIUM COMPOUNDS  
. **VANADYL COMPOUNDS**

RT  $\infty$  CHEMICAL COMPOUNDS  
 $\infty$  METAL COMPOUNDS

## VANADYL RADICAL

GS IONS  
. MOLECULAR IONS  
. **VANADYL RADICAL**  
. POSITIVE IONS  
. CATIONS  
. **VANADYL RADICAL**  
RADICALS  
. **VANADYL RADICAL**

## VANELESS DIFFUSERS

RT COMPRESSORS  
 $\infty$  DIFFUSERS  
EXHAUST DIFFUSERS  
PUMPS  
SUPERSONIC DIFFUSERS

## VANES

GS **VANES**  
. GUIDE VANES  
. JET VANES  
. WIND VANES

RT AIRFOILS  
 $\infty$  BLADES  
COMPRESSOR BLADES  
CONTROL SURFACES  
FINS  
IMPELLERS  
NOSE FINS  
STATOR BLADES  
TAIL ASSEMBLIES  
TURBOMACHINE BLADES  
WINDPOWER UTILIZATION  
WINDPOWERED GENERATORS  
WINDPOWERED PUMPS

## VANGUARD PROJECT

GS PROGRAMS  
. NASA PROGRAMS  
. NASA SPACE PROGRAMS  
. **VANGUARD PROJECT**  
PROJECTS  
. **VANGUARD PROJECT**  
SPACE PROGRAMS  
. NASA SPACE PROGRAMS  
. **VANGUARD PROJECT**

RT X-405 ENGINE

## VANGUARD SATELLITES

GS ARTIFICIAL SATELLITES  
. **VANGUARD SATELLITES**  
. VANGUARD 1 SATELLITE  
. VANGUARD 2 SATELLITE  
. VANGUARD 3 SATELLITE

RT GEODETIC SATELLITES  
GEOPHYSICAL SATELLITES  
INTERNATIONAL GEOPHYSICAL YEAR  
METEOROLOGICAL SATELLITES

## VANGUARD 1 SATELLITE

GS ARTIFICIAL SATELLITES

## VANGUARD 2 LAUNCH VEHICLE

### VANGUARD 1 SATELLITE-(CONT.)

- . GEODETIC SATELLITES
- . . VANGUARD 1 SATELLITE
- . VANGUARD SATELLITES
- . . VANGUARD 1 SATELLITE

### VANGUARD 2 LAUNCH VEHICLE

- GS LAUNCH VEHICLES
- . VANGUARD 2 LAUNCH VEHICLE
- . ROCKET VEHICLES
- . MULTISTAGE ROCKET VEHICLES
- . . VANGUARD 2 LAUNCH VEHICLE
- RT LIQUID PROPELLANT ROCKET ENGINES
- SOLID PROPELLANT ROCKET ENGINES
- VIKING ROCKET VEHICLE
- X-248 ENGINE

### VANGUARD 2 SATELLITE

- GS ARTIFICIAL SATELLITES
- . METEOROLOGICAL SATELLITES
- . . VANGUARD 2 SATELLITE
- . VANGUARD SATELLITES
- . . VANGUARD 2 SATELLITE

### VANGUARD 3 SATELLITE

- GS ARTIFICIAL SATELLITES
- . GEOPHYSICAL SATELLITES
- . . VANGUARD 3 SATELLITE
- . VANGUARD SATELLITES
- . . VANGUARD 3 SATELLITE

### VANS

- USE TRUCKS

### VAPOR BARRIER CLOTHING

- GS CLOTHING
- . PROTECTIVE CLOTHING
- . . VAPOR BARRIER CLOTHING
- RT  $\infty$  BARRIERS
- LIFE SUPPORT SYSTEMS
- TEXTILES

### VAPOR DEPOSITION

- UF CHEMICAL VAPOR DEPOSITION
- GS DEPOSITION
- . VAPOR DEPOSITION
- . . VACUUM DEPOSITION
- RT COATING
- COATINGS
- CRYSTAL GROWTH
- ELECTROLESS DEPOSITION
- METAL VAPORS
- METALLIZING
- ULTRAPURE METALS
- VAPORIZERS
- VAPORIZING

### VAPOR GENERATORS

- USE VAPORIZERS

### VAPOR JETS

- GS FLUID JETS
- . VAPOR JETS
- RT AIR JETS
- GAS FLOW
- JET FLOW
- PLASMA JETS

### VAPOR LIQUID EQUILIBRIUM

- USE LIQUID-VAPOR EQUILIBRIUM

### VAPOR PHASE EPITAXY

- GS GROWTH
- . CRYSTAL GROWTH
- . . EPITAXY
- . . VAPOR PHASE EPITAXY
- RT CRYSTAL STRUCTURE
- LIQUID PHASE EPITAXY
- LIQUID PHASES

### VAPOR PHASES

- UF GAS PHASES
- RT ASSOCIATION REACTIONS
- CRITICAL PRESSURE
- GAS-METAL INTERACTIONS
- GAS-SOLID INTERFACES
- GASES
- HYDROGEN CLOUDS
- LIQUID PHASES
- LIQUID-GAS MIXTURES
- LIQUID-VAPOR INTERFACES
- LIQUIDS
- METAL-GAS SYSTEMS
- PHASE DIAGRAMS

### VAPOR PHASES-(CONT.)

- $\infty$  PHASES
- . PREVAPORIZATION
- SOLIDS
- SUPERCRITICAL PRESSURES
- VAPORS
- VOLATILITY

### VAPOR PRESSURE

- GS PRESSURE
- . VAPOR PRESSURE
- . THERMODYNAMIC PROPERTIES
- . THERMOPHYSICAL PROPERTIES
- . . VAPOR PRESSURE
- RT DALTON LAW
- FLASH POINT
- FUEL TANK PRESSURIZATION
- HENRY LAW
- HUMIDITY
- INTERFACIAL TENSION
- LIQUID-GAS MIXTURES
- LIQUID-VAPOR INTERFACES
- PARTIAL PRESSURE
- RAOULT LAW
- SUBLIMATION
- SUPERCRITICAL PRESSURES
- VOLATILITY

### VAPOR TRAILS

- USE CONTRAILS

### VAPOR TRAPS

- GS TRAPS
- . VAPOR TRAPS
- RT COLD TRAPS
- GETTERS
- ION TRAPS (INSTRUMENTATION)

### VAPORIZATION HEAT

- USE HEAT OF VAPORIZATION

### VAPORIZERS

- UF VAPOR GENERATORS
- GS HEATING EQUIPMENT
- . VAPORIZERS
- . . EVAPORATORS
- RT BOILERS
- CAVITY VAPOR GENERATORS
- COLLOIDAL GENERATORS
- COLUMNS (PROCESS ENGINEERING)
- CONDENSERS (LIQUEFIERS)
- GAS GENERATORS
- $\infty$  GENERATORS
- $\infty$  HEATERS
- SEPARATORS
- SPRAYERS
- VAPOR DEPOSITION
- VAPORIZING
- VAPORS

### VAPORIZING

- UF VOLATILIZATION
- GS PHASE TRANSFORMATIONS
- . VAPORIZING
- . . BOILING
- . . . FILM BOILING
- . . . NUCLEATE BOILING
- . . . . LEIDENFROST PHENOMENON
- . . . EVAPORATION
- . . . . EVAPOTRANSPIRATION
- . . . PROPELLANT EVAPORATION
- . . . TRANSPIRATION
- . . . FLASHING (VAPORIZING)
- . . . PREVAPORIZATION
- . . . SUBLIMATION
- RT ABLATION
- CONCENTRATING
- DESALINIZATION
- DISTILLATION
- EVOLUTION (LIBERATION)
- GASIFICATION
- HEAT OF VAPORIZATION
- HEATING
- $\infty$  SEPARATION
- SPRAYING
- STRIPPING (DISTILLATION)
- SURFACE REACTIONS
- VAPOR DEPOSITION
- VAPORIZERS
- VAPORS
- VOLATILITY

### VAPORS

- GS VAPORS
- . CESIUM VAPOR

### VAPORS-(CONT.)

- . METAL VAPORS
- . . MERCURY VAPOR
- . . SODIUM VAPOR
- . . WATER VAPOR
- RT CAVITY VAPOR GENERATORS
- COMBUSTION PRODUCTS
- CONDENSATES
- EXHAUST GASES
- FUMES
- GASES
- HAZE DETECTION
- HYDROGEN CLOUDS
- LIQUID-VAPOR EQUILIBRIUM
- PREVAPORIZATION
- SMOKE
- VAPOR PHASES
- VAPORIZERS
- VAPORIZING

### VARACTOR DIODE CIRCUITS

- GS CIRCUITS
- . VARACTOR DIODE CIRCUITS
- RT DIODES

### VARACTOR DIODES

- UF VARACTORS
- GS ELECTRONIC EQUIPMENT
- . DIODES
- . . SEMICONDUCTOR DIODES
- . . . VARACTOR DIODES
- . . . SOLID STATE DEVICES
- . . . SEMICONDUCTOR DEVICES
- . . . VARACTOR DIODES
- RT JUNCTION DIODES
- PARAMETRIC DIODES
- VARISTORS

### VARACTORS

- USE VARACTOR DIODES

### VARIABILITY

- RT CONSISTENCY
- CONTINUITY
- CONVERGENCE
- CORRELATION
- COVARIANCE
- $\infty$  DISPERSION
- ECCENTRICITY
- $\infty$  EQUILIBRIUM
- FACTOR ANALYSIS
- HETEROGENEITY
- LINEARITY
- NONLINEARITY
- PERIODIC VARIATIONS
- QUALITY
- QUALITY CONTROL
- RANGE (EXTREMES)
- REGRESSION ANALYSIS
- RELIABILITY
- SAMPLING
- STABILITY
- STANDARD DEVIATION
- STANDARDIZATION
- VALIDITY
- $\infty$  VARIABLE
- VARIANCE (STATISTICS)

### $\infty$ VARIABLE

- SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)

### UF FACTORS

- RT COMPLEX VARIABLES
- DEPENDENT VARIABLES
- FORM FACTORS
- INDEPENDENT VARIABLES
- LATIN SQUARE METHOD
- RACE FACTORS
- RANDOM VARIABLES
- REAL VARIABLES
- SOCIAL FACTORS
- VARIABILITY

### VARIABLE AREA WINGS

- USE TRAILING EDGE FLAPS

### VARIABLE CYCLE ENGINES

- UF VCE
- GS AIRCRAFT ENGINES
- . VARIABLE CYCLE ENGINES
- . ENGINES
- . . VARIABLE CYCLE ENGINES
- RT COAXIAL NOZZLES
- SUPERSONIC AIRCRAFT

# **VARIABLE CYCLE ENGINES-(CONT.)** VARIABLE STREAM CONTROL ENGINES

**VARIABLE GEOMETRY STRUCTURES**  
RT EXPANDABLE STRUCTURES  
FOLDING STRUCTURES  
INFLATABLE STRUCTURES  
MISSION ADAPTIVE WINGS  
∞ STRUCTURES

**VARIABLE LIFT**  
USE LIFT

**VARIABLE MASS SYSTEMS**  
GS KINETICS  
VARIABLE MASS SYSTEMS  
RT EQUATIONS OF MOTION  
∞ MASS BALANCE  
MASS DISTRIBUTION  
∞ SYSTEMS

**VARIABLE PITCH PROPELLERS**  
UF CONSTANT SPEED PROPELLERS  
GS PROPELLERS  
VARIABLE PITCH PROPELLERS  
RT HELICOPTER PROPELLER DRIVE  
PITCH (INCLINATION)

**VARIABLE STARS**  
GS CELESTIAL BODIES  
STARS  
VARIABLE STARS  
CATAclysmic VARIABLES  
CEPHEID VARIABLES  
FLARE STARS  
IRREGULAR VARIABLE STARS  
R CORONAE BOREALIS STARS  
LAMBDA TAURI STARS  
MIRA VARIABLES  
OMICRON CETI STAR  
NOVAE  
DWARF NOVAE  
HERCULES NOVA  
SEMIREGULAR VARIABLE STARS  
SUPERNOVAE  
SUPERNOVA 1987A  
SYMBIOTIC STARS  
T TAURI STARS  
RT BINARY STARS  
COMPANION STARS  
ECLIPSING BINARY STARS  
PERIODIC VARIATIONS  
SOLAR OSCILLATIONS  
STELLAR MASS  
STELLAR MASS EJECTION  
STELLAR OSCILLATIONS

**VARIABLE STREAM CONTROL ENGINES**  
GS AIRCRAFT ENGINES  
VARIABLE STREAM CONTROL ENGINES  
ENGINES  
VARIABLE STREAM CONTROL ENGINES  
RT ∞ CONTROL  
ENGINE CONTROL  
SUPERSONIC AIRCRAFT  
SUPERSONIC NOZZLES  
VARIABLE CYCLE ENGINES

**VARIABLE SWEEP WINGS**  
UF M WINGS  
OGEE WINGS  
W WINGS  
GS AIRFOILS  
WINGS  
VARIABLE SWEEP WINGS  
PLANFORMS  
WING PLANFORMS  
VARIABLE SWEEP WINGS  
RT ARROW WINGS  
BOEING 733 AIRCRAFT  
DELTA WINGS  
F-111 AIRCRAFT  
FOLDING STRUCTURES  
MISSION ADAPTIVE WINGS  
OGEE SHAPE  
PANAVIA MILITARY AIRCRAFT  
SWEPT FORWARD WINGS  
SWEPTBACK WINGS

**VARIABLE THRUST**  
GS THRUST  
VARIABLE THRUST  
RT CONTROL ROCKETS

# **VARIABLE THRUST-(CONT.)**

HIGH THRUST  
JET CONTROL  
JET THRUST  
LOW THRUST  
LOW THRUST PROPULSION  
MICROTHRUST  
ROCKET THRUST  
THROTTLING  
THRUST AUGMENTATION  
THRUST CONTROL  
THRUST TERMINATION  
THRUST VECTOR CONTROL

**∞ VARIANCE**  
SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED-CONSULT THE TERMS  
LISTED BELOW)  
RT ANALYSIS OF VARIANCE  
DEGREES OF FREEDOM  
MULTIVARIATE STATISTICAL ANALYSIS  
VARIANCE (STATISTICS)

**VARIANCE (STATISTICS)**  
GS STATISTICAL ANALYSIS  
VARIANCE (STATISTICS)  
ANALYSIS OF VARIANCE  
MULTIVARIATE STATISTICAL  
ANALYSIS  
BIVARIATE ANALYSIS  
COVARIANCE  
REGRESSION ANALYSIS  
RT CONFIDENCE LIMITS  
CORRELATION  
DISTRIBUTION MOMENTS  
EXPERIMENT DESIGN  
FACTOR ANALYSIS  
GAUSS-MARKOV THEOREM  
GOODNESS OF FIT  
HETEROGENEITY  
HOMOGENEITY  
KRIGING  
MEAN  
MOMENTS  
QUALITY CONTROL  
RANGE (EXTREMES)  
STANDARD DEVIATION  
VARIABILITY  
∞ VARIANCE

**VARIATION METHOD**  
USE CALCULUS OF VARIATIONS

**VARIATIONAL PRINCIPLES**  
RT CALCULUS OF VARIATIONS  
∞ DYNAMICS  
EQUILIBRIUM METHODS  
IRREVERSIBLE PROCESSES  
ONSAGER PHENOMENOLOGICAL  
COEFFICIENT  
RAYLEIGH-RITZ METHOD

**VARIATIONS**  
UF FLUCTUATION  
GS VARIATIONS  
MAGNETIC VARIATIONS  
GEOMAGNETIC PULSATIONS  
GEOMAGNETIC MICROPULSATIONS  
NOCTURNAL VARIATIONS  
PERIODIC VARIATIONS  
ALTERNATIONS  
ANNUAL VARIATIONS  
DIURNAL VARIATIONS  
NOCTURNAL VARIATIONS  
SECULAR VARIATIONS  
TWENTY-SEVEN DAY VARIATION  
WIND VARIATIONS  
RT ALTERNATIVES  
ASYMMETRY  
DEFLECTION  
DEVIATION  
DIFFERENCES  
DISPLACEMENT  
DISTORTION  
DIVERGENCE  
ECCENTRICITY  
GRADIENTS  
MICROPULSATIONS  
PERTURBATION  
REVISIONS  
SUBSTITUTES  
SURGES

**VARIOMETERS**  
UF MAGNETOVARIOGRAPHS

# **VARIOMETERS-(CONT.)**

GS MEASURING INSTRUMENTS  
MAGNETOMETERS  
VARIOMETERS  
RT GEOMAGNETISM

**VARISTORS**  
GS ELECTRONIC EQUIPMENT  
SOLID STATE DEVICES  
SEMICONDUCTOR DEVICES  
VARISTORS  
RT RESISTORS  
THERMISTORS  
VARACTOR DIODES

**VARNISHES**  
RT FILLERS  
FINISHES  
PAINTS  
PRIMERS (COATINGS)  
PROTECTIVE COATINGS  
SEALERS  
SPRAYED COATINGS

**VASCULAR SYSTEM**  
USE CARDIOVASCULAR SYSTEM

**VASOCONSTRICTION**  
RT BLOOD VESSELS  
BODY TEMPERATURE  
COLD TOLERANCE  
ISCHEMIA  
REFLEXES  
SNEEZING

**VASOCONSTRICTOR DRUGS**  
UF PRESSORS  
GS DRUGS  
VASOCONSTRICTOR DRUGS  
HYPERTENSIN  
SEROTONIN  
RT PHARMACOLOGY

**VASODILATION**  
RT BLOOD VESSELS  
BODY TEMPERATURE  
CONGESTION  
REFLEXES

**VASOMOTOR NERVOUS SYSTEM**  
USE NERVOUS SYSTEM

**VATICAN CITY**  
GS CITIES  
VATICAN CITY  
NATIONS  
VATICAN CITY  
RT EUROPE  
ITALY

**VATOL AIRCRAFT**  
SN (VERTICAL ATTITUDE TAKEOFF AND  
LANDING AIRCRAFT)  
UF VERTICAL ATTITUDE TAKEOFF-LANDING  
AIRCRAFT  
RT XBQM-180A AIRCRAFT  
∞ AIRCRAFT  
DELTA WINGS  
REMOTELY PILOTED VEHICLES  
VERTICAL LANDING  
VERTICAL TAKEOFF AIRCRAFT

**VAX COMPUTERS**  
GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
VAX COMPUTERS  
VAX-11 SERIES COMPUTERS  
VAX-11/780 COMPUTER

**VAX-11 SERIES COMPUTERS**  
GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
VAX COMPUTERS  
VAX-11 SERIES COMPUTERS  
VAX-11/780 COMPUTER

**VAX-11/780 COMPUTER**  
GS DATA PROCESSING EQUIPMENT  
COMPUTERS  
DIGITAL COMPUTERS  
VAX COMPUTERS  
VAX-11 SERIES COMPUTERS



## VC-10 AIRCRAFT

VAX-11/780 COMPUTER-(CONT.)  
..... VAX-11/780 COMPUTER

### VC-10 AIRCRAFT

UF VICKERS VC-10 AIRCRAFT  
VICKERS 1100 AIRCRAFT

GS BAC AIRCRAFT  
.. VC-10 AIRCRAFT  
COMMERCIAL AIRCRAFT  
.. VC-10 AIRCRAFT  
JET AIRCRAFT  
.. VC-10 AIRCRAFT  
MONOPLANES  
.. VC-10 AIRCRAFT  
PASSENGER AIRCRAFT  
.. VC-10 AIRCRAFT  
TRANSPORT AIRCRAFT  
.. VC-10 AIRCRAFT  
RT  $\infty$  AIRCRAFT  
CARGO AIRCRAFT

VCE  
USE VARIABLE CYCLE ENGINES

VCO  
USE VOLTAGE CONTROLLED OSCILLATORS

### VECTOR ANALYSIS

GS ANALYSIS (MATHEMATICS)  
.. CALCULUS  
.. VECTOR ANALYSIS  
.. COLLINEARITY  
.. COPLANARITY  
.. CURL (VECTORS)  
.. VORTICITY  
.. REAL VARIABLES  
.. VECTOR ANALYSIS  
.. COLLINEARITY  
.. COPLANARITY  
.. CURL (VECTORS)  
.. VORTICITY  
GEOMETRY  
.. VECTOR ANALYSIS  
.. COLLINEARITY  
.. COPLANARITY  
.. CURL (VECTORS)  
.. VORTICITY  
RT DIFFERENTIAL EQUATIONS  
EULER-CAUCHY EQUATIONS  
FLUX VECTOR SPLITTING  
GRADIENTS  
POYNTING THEOREM  
RESULTANTS  
STABILITY DERIVATIVES

### VECTOR CALCULUS

USE VECTOR SPACES

### VECTOR CONTROL

USE DIRECTIONAL CONTROL

### VECTOR CURRENTS

RT CURRENT ALGEBRA  
PARITY  
RADIOACTIVE DECAY  
SUPERCONDUCTIVITY

### VECTOR DOMINANCE MODEL

GS MODELS  
.. VECTOR DOMINANCE MODEL  
RT HADRONS  
HIGH ENERGY INTERACTIONS  
NUCLEONS  
PHOTONEUTRONS  
PHOTOPRODUCTION

### VECTOR MESONS

GS PARTICLES  
.. ELEMENTARY PARTICLES  
.. BOSONS  
.. MESONS  
.. VECTOR MESONS  
.. RHO-MESONS  
.. SIGMA-MESONS  
.. HADRONS  
.. MESONS  
.. VECTOR MESONS  
.. RHO-MESONS  
.. SIGMA-MESONS  
.. NUCLEAR PARTICLES  
.. BOSONS  
.. MESONS  
.. VECTOR MESONS  
.. RHO-MESONS

## VECTOR MESONS-(CONT.)

..... SIGMA-MESONS

### VECTOR SPACES

UF GRASSMANN ALGEBRA  
VECTOR CALCULUS  
GS ALGEBRA  
.. VECTOR SPACES  
.. BANACH SPACE  
.. HILBERT SPACE  
.. SOBOLEV SPACE  
.. MATRICES (MATHEMATICS)  
.. ADJOINTS  
.. CANONICAL FORMS  
.. EIGENVALUES  
.. EIGENVECTORS  
.. HESSIAN MATRICES  
.. JORDAN FORM  
.. STIFFNESS MATRIX  
.. STOKES THEOREM (VECTOR CALCULUS)  
.. U SPIN SPACE  
.. VECTORS (MATHEMATICS)  
.. EIGENVECTORS  
.. STATE VECTORS  
.. VORTICITY  
RT ANALYSIS (MATHEMATICS)  
CHAPLYGIN EQUATION  
HERMITIAN POLYNOMIAL  
HODOGRAPHS  
KAKUTANI THEOREM  
LINEAR TRANSFORMATIONS

### VECTORDIAGNOSTICS

GS BIOENGINEERING  
.. BIOMETRICS  
.. CARDIOGRAPHY  
.. VECTORDIAGNOSTICS  
RT ELECTROCARDIOGRAPHY  
PHONOCARDIOGRAPHY

### VECTORS (MATHEMATICS)

GS ALGEBRA  
.. VECTOR SPACES  
.. VECTORS (MATHEMATICS)  
.. EIGENVECTORS  
.. STATE VECTORS  
.. VORTICITY  
RT DYADICS  
FLUX VECTOR SPLITTING  
FUNCTION SPACE  
SCHWARTZ INEQUALITY

### VEGA LAUNCH VEHICLE

UF VEGA ROCKET VEHICLE  
GS LAUNCH VEHICLES  
.. VEGA LAUNCH VEHICLE  
ROCKET VEHICLES  
.. MULTISTAGE ROCKET VEHICLES  
.. VEGA LAUNCH VEHICLE  
RT ATLAS D ICBM  
LIQUID PROPELLANT ROCKET ENGINES

### VEGA PROJECT

RT FLYBY MISSIONS  
HALLEY'S COMET  
INTERNATIONAL COOPERATION  
U.S.S.R. SPACE PROGRAM  
VENERA SATELLITES  
VENUS (PLANET)

### VEGA ROCKET VEHICLE

USE VEGA LAUNCH VEHICLE

### VEGARD-KAPLAN BANDS

GS SPECTRA  
.. SPECTRAL BANDS  
.. VEGARD-KAPLAN BANDS  
RT  $\infty$  BANDS  
EMISSION SPECTRA  
MOLECULAR SPECTRA  
NITROGEN

### VEGETABLES

GS VEGETABLES  
.. POTATOES  
.. SPINACH  
RT ANGIOSPERMS  
 $\infty$  FOOD  
LEGUMINOUS PLANTS  
PLANTING  
SEEDS

## VEGETATION

GS VEGETATION  
.. CANOPIES (VEGETATION)  
RT BIOCONVERSION  
BIOMASS ENERGY PRODUCTION  
EARTH RESOURCES  
LOCUSTS  
OASES  
PLANTS (BOTANY)  
RAIN FORESTS  
RESOURCES  
SEA GRASSES  
TREES (PLANTS)

### VEGETATION GROWTH

GS GROWTH  
.. VEGETATION GROWTH  
.. CROP GROWTH  
RT AGRICULTURE  
BIOCHEMISTRY  
BOTANY  
CROP VIGOR  
ECOLOGY  
FERTILIZERS  
GRAVITROPISM  
HYDROPONICS  
IRRIGATION  
PLANT ROOTS  
PLANT STRESS  
SOIL MOISTURE  
SOIL SCIENCE  
SOILS  
VEGETATIVE INDEX

### VEGETATIVE INDEX

RT AGRISTARS PROJECT  
ATMOSPHERIC ATTENUATION  
ATMOSPHERIC EFFECTS  
ATMOSPHERIC OPTICS  
ATMOSPHERIC SCATTERING  
CANOPIES (VEGETATION)  
COLOR  
CORRECTION  
CROP IDENTIFICATION  
CROP INVENTORIES  
IMAGE ENHANCEMENT  
IMAGING TECHNIQUES  
LEAF AREA INDEX  
MULTISPECTRAL BAND SCANNERS  
RADIOMETRIC CORRECTION  
REFLECTANCE  
REMOTE SENSING  
SATELLITE IMAGERY  
SATELLITE OBSERVATION  
SPECTRAL REFLECTANCE  
VEGETATION GROWTH

### VEHICLE WHEELS

GS WHEELS  
.. VEHICLE WHEELS  
.. NOSE WHEELS  
RT AIRCRAFT TIRES  
BRAKES (FOR ARRESTING MOTION)  
LANDING GEAR  
MECHANICAL DRIVES  
ROLLERS  
SHAFTS (MACHINE ELEMENTS)  
SUSPENSION SYSTEMS (VEHICLES)  
TIRES  
TOROIDAL WHEELS  
TRANSMISSIONS (MACHINE ELEMENTS)  
WHEEL BRAKES

### $\infty$ VEHICLES

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)  
UF CRAFT  
RT ROTATING VEHICLES  
AMPHIBIOUS VEHICLES  
ARCAS ROCKET VEHICLES  
ARCON ROCKET VEHICLE  
ARGO ROCKET VEHICLES  
ASTROBEE ROCKET VEHICLES  
ATLAS AGENA LAUNCH VEHICLES  
ATLAS LAUNCH VEHICLES  
AUTOMATED GUIDEWAY TRANSIT  
VEHICLES  
AUTOMATED MIXED TRAFFIC VEHICLES  
AUTOMATED TRANSIT VEHICLES  
AUTOMOBILES  
 $\infty$  BALLISTIC VEHICLES  
BOOSTGLIDE VEHICLES  
CAPTURED AIR BUBBLE VEHICLES  
CONTROL CONFIGURED VEHICLES

## VENERA SATELLITES

### VEHICLES-(CONT.)

CRAWLER TRACTORS  
 DRONE VEHICLES  
 ELECTRIC HYBRID VEHICLES  
 ELECTRIC MOTOR VEHICLES  
 ENGINES  
 EUROPA LAUNCH VEHICLES  
 FLIGHT TEST VEHICLES  
 ∞ FLIGHT VEHICLES  
 GROUND EFFECT MACHINES  
 HEAVY LIFT LAUNCH VEHICLES  
 HOTOL LAUNCH VEHICLE  
 HOVERING ROCKET VEHICLES  
 HYDROPLANES (VEHICLES)  
 HYPERSONIC VEHICLES  
 INTRAORBIT TRANSFER VEHICLES  
 JUNO LAUNCH VEHICLES  
 KAPPA ROCKET VEHICLES  
 LAMBDA ROCKET VEHICLES  
 LAUNCH VEHICLES  
 LOW OBSERVABLE REENTRY VEHICLES  
 LUNAR FLYING VEHICLES  
 LUNAR ROVING VEHICLES  
 LUNAR SURFACE VEHICLES  
 LUNOKHOD LUNAR ROVING VEHICLES  
 MAGNETIC LEVITATION VEHICLES  
 MANNED LUNAR SURFACE VEHICLES  
 ∞ MILITARY VEHICLES  
 MISSILES  
 MOTOR VEHICLES  
 MULTIENGINE VEHICLES  
 MULTISTAGE ROCKET VEHICLES  
 NIKE ROCKET VEHICLES  
 NIKE-HYDAC ROCKET VEHICLE  
 NIKE-IROQUOIS ROCKET VEHICLE  
 NOVA LAUNCH VEHICLES  
 NUCLEAR ENGINE FOR ROCKET VEHICLES  
 ORBIT TRANSFER VEHICLES  
 RANGER LUNAR LANDING VEHICLES  
 RECOVERABLE LAUNCH VEHICLES  
 RECOVERY VEHICLES  
 REENTRY VEHICLES  
 REMOTELY PILOTED VEHICLES  
 RESEARCH VEHICLES  
 REUSABLE LAUNCH VEHICLES  
 ROCKET VEHICLES  
 ROVING VEHICLES  
 SATURN LAUNCH VEHICLES  
 SINGLE STAGE ROCKET VEHICLES  
 SINGLE STAGE TO ORBIT VEHICLES  
 SKUA ROCKET VEHICLES  
 ∞ SPACECRAFT  
 STANDARD LAUNCH VEHICLES  
 SURFACE EFFECT SHIPS  
 SURFACE VEHICLES  
 SWATH (SHIP)  
 TANKS (COMBAT VEHICLES)  
 TERMINAL CONFIGURED VEHICLE PROGRAM  
 TEST VEHICLES  
 THOR LAUNCH VEHICLES  
 THORAD LAUNCH VEHICLES  
 TITAN LAUNCH VEHICLES  
 TRACKED VEHICLES  
 TRACTORS  
 ∞ TRANSPORT VEHICLES  
 TRANSPORTER  
 UNDERWATER VEHICLES  
 UNIDENTIFIED FLYING OBJECTS  
 VERONIQUE ROCKET VEHICLES  
 WATER VEHICLES  
 ∞ WINGED VEHICLES

### VEHICULAR TRACKS

RT IDLERS  
 SURFACE VEHICLES  
 SUSPENSION SYSTEMS (VEHICLES)  
 TRACKED VEHICLES  
 ∞ TRACKS  
 TREADS

### VEINS

GS ANATOMY  
 . CIRCULATORY SYSTEM  
 . . CARDIOVASCULAR SYSTEM  
 . . . BLOOD VESSELS  
 VEINS  
 RT ARTERIES  
 BIFURCATION (BIOLOGY)  
 TRANSFUSION

### VELA SATELLITES

GS ARTIFICIAL SATELLITES  
 . VELA SATELLITES

### VELA SATELLITES-(CONT.)

MILITARY SPACECRAFT  
 . VELA SATELLITES  
 RT FISHBOWL OPERATION  
 HIGH ALTITUDE NUCLEAR DETECTION  
 HIGH ALTITUDE TESTS  
 NUCLEAR EXPLOSIONS  
 NUCLEAR RADIATION  
 POST-BLAST NUCLEAR RADIATION  
 RADIATION DETECTORS  
 RADIATION MEASURING INSTRUMENTS  
 SATELLITE OBSERVATION

### VELOCITY

UF SPEED  
 GS VELOCITY  
 . ACOUSTIC VELOCITY  
 . AIRSPEED  
 . ANGULAR VELOCITY  
 . CRITICAL VELOCITY  
 . ESCAPE VELOCITY  
 . EXHAUST VELOCITY  
 . FLOW VELOCITY  
 . . SOLAR WIND VELOCITY  
 . GROUND SPEED  
 . GROUP VELOCITY  
 . HIGH SPEED  
 . HYPERSONIC SPEED  
 . LANDING SPEED  
 . LIGHT SPEED  
 . LOW SPEED  
 . ORBITAL VELOCITY  
 . PHASE VELOCITY  
 . PROPAGATION VELOCITY  
 . RADIAL VELOCITY  
 . RELATIVISTIC VELOCITY  
 . ROTOR SPEED  
 . SOLAR VELOCITY  
 . SUBSONIC SPEED  
 . SUPERSONIC SPEED  
 . TERMINAL VELOCITY  
 . TIP SPEED  
 . TRANSONIC SPEED  
 . WIND VELOCITY  
 . . SOLAR WIND VELOCITY  
 RT ACCELERATION (PHYSICS)  
 BODY KINEMATICS  
 DE BROGLIE WAVELENGTHS  
 ∞ DYNAMICS  
 FERMAT PRINCIPLE  
 KINEMATICS  
 KINETICS  
 LOADING RATE  
 ∞ MOTION  
 PERCEPTUAL TIME CONSTANT  
 PRESSURE MEASUREMENT  
 RELATIVISTIC EFFECTS  
 SOLITARY WAVES  
 TIME MEASUREMENT

### VELOCITY COUPLING

RT BURNING RATE  
 COMBUSTION STABILITY  
 COUPLING  
 PROPELLANT COMBUSTION

### VELOCITY DISTRIBUTION

UF VELOCITY FIELDS  
 VELOCITY PROFILES  
 GS DISTRIBUTION (PROPERTY)  
 . VELOCITY DISTRIBUTION  
 RT CIRCULATION DISTRIBUTION  
 FLOW DISTRIBUTION  
 FLOW VELOCITY  
 GALACTIC ROTATION  
 ORR-SOMMERFELD EQUATIONS  
 POHLHAUSEN METHOD  
 PRESSURE DISTRIBUTION  
 SHOCK WAVE PROFILES  
 THREE DIMENSIONAL BOUNDARY LAYER

### VELOCITY ERRORS

GS ERRORS  
 . VELOCITY ERRORS  
 RT ESCAPE VELOCITY  
 ORBITAL VELOCITY  
 POSITION ERRORS

### VELOCITY FIELDS

USE VELOCITY DISTRIBUTION

### VELOCITY MEASUREMENT

UF ANEMOMETRY  
 GS MECHANICAL MEASUREMENT  
 . VELOCITY MEASUREMENT

### VELOCITY MEASUREMENT-(CONT.)

RT . WIND VELOCITY MEASUREMENT  
 ACCELEROMETERS  
 ANEMOMETERS  
 DRAG FORCE ANEMOMETERS  
 FLOW MEASUREMENT  
 FLOW VELOCITY  
 FLOWMETERS  
 HOT-FILM ANEMOMETERS  
 HOT-WIRE ANEMOMETERS  
 HUBBLE CONSTANT  
 HUBBLE DIAGRAM  
 LASER ANEMOMETERS  
 LASER DOPPLER VELOCIMETERS  
 ∞ MEASUREMENT  
 PITOT TUBES  
 PRESSURE MEASUREMENT  
 RADIAL VELOCITY  
 SOLAR WIND VELOCITY  
 SONIC ANEMOMETERS  
 SPEED INDICATORS  
 STROBOSCOPES  
 TACHOMETERS  
 TIME MEASUREMENT  
 VENTURI TUBES  
 VORTEX PRECESSION

### VELOCITY MODULATION

GS MODULATION  
 . VELOCITY MODULATION  
 RT BUNCHING  
 CAVITY RESONATORS  
 ELECTRON BUNCHING  
 ELECTRON TUBES

### VELOCITY PROFILES

USE VELOCITY DISTRIBUTION

### VENEERS

RT COATINGS  
 FINISHES  
 LAMINATES  
 MASONRY

### VENERA SATELLITES

GS ARTIFICIAL SATELLITES  
 . SOVIET SATELLITES  
 . VENERA SATELLITES  
 . . VENERA 2 SATELLITE  
 . . VENERA 3 SATELLITE  
 . . VENERA 4 SATELLITE  
 . . VENERA 5 SATELLITE  
 . . VENERA 6 SATELLITE  
 . . VENERA 7 SATELLITE  
 . . VENERA 8 SATELLITE  
 . . VENERA 9 SATELLITE  
 . . VENERA 10 SATELLITE  
 . . VENERA 11 SATELLITE  
 . . VENERA 12 SATELLITE  
 INTERPLANETARY SPACECRAFT  
 . VENUS PROBES  
 . VENERA SATELLITES  
 . . VENERA 2 SATELLITE  
 . . VENERA 3 SATELLITE  
 . . VENERA 4 SATELLITE  
 . . VENERA 5 SATELLITE  
 . . VENERA 6 SATELLITE  
 . . VENERA 7 SATELLITE  
 . . VENERA 8 SATELLITE  
 . . VENERA 9 SATELLITE  
 . . VENERA 10 SATELLITE  
 . . VENERA 11 SATELLITE  
 . . VENERA 12 SATELLITE  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . VENUS PROBES  
 . VENERA SATELLITES  
 . . VENERA 2 SATELLITE  
 . . VENERA 3 SATELLITE  
 . . VENERA 4 SATELLITE  
 . . VENERA 5 SATELLITE  
 . . VENERA 6 SATELLITE

## VENERA 2 SATELLITE

### VENERA SATELLITES-(CONT.)

- . . . . VENERA 7 SATELLITE
- . . . . VENERA 8 SATELLITE
- . . . . VENERA 9 SATELLITE
- . . . . VENERA 10 SATELLITE
- . . . . VENERA 11 SATELLITE
- . . . . VENERA 12 SATELLITE
- RT U.S.S.R. SPACE PROGRAM
- VEGA PROJECT

### VENERA 2 SATELLITE

- GS ARTIFICIAL SATELLITES
- . SOVIET SATELLITES
- . . VENERA SATELLITES
- . . . VENERA 2 SATELLITE
- INTERPLANETARY SPACECRAFT
- . VENUS PROBES
- . . VENERA SATELLITES
- . . . VENERA 2 SATELLITE
- SOVIET SPACECRAFT
- . VENERA SATELLITES
- . . VENERA 2 SATELLITE
- UNMANNED SPACECRAFT
- . SPACE PROBES
- . . VENUS PROBES
- . . . VENERA SATELLITES
- . . . . VENERA 2 SATELLITE

### VENERA 3 SATELLITE

- GS ARTIFICIAL SATELLITES
- . SOVIET SATELLITES
- . . VENERA SATELLITES
- . . . VENERA 3 SATELLITE
- INTERPLANETARY SPACECRAFT
- . VENUS PROBES
- . . VENERA SATELLITES
- . . . VENERA 3 SATELLITE
- SOVIET SPACECRAFT
- . VENERA SATELLITES
- . . VENERA 3 SATELLITE
- UNMANNED SPACECRAFT
- . SPACE PROBES
- . . VENUS PROBES
- . . . VENERA SATELLITES
- . . . . VENERA 3 SATELLITE

### VENERA 4 SATELLITE

- GS ARTIFICIAL SATELLITES
- . SOVIET SATELLITES
- . . VENERA SATELLITES
- . . . VENERA 4 SATELLITE
- INTERPLANETARY SPACECRAFT
- . VENUS PROBES
- . . VENERA SATELLITES
- . . . VENERA 4 SATELLITE
- SOVIET SPACECRAFT
- . VENERA SATELLITES
- . . VENERA 4 SATELLITE
- UNMANNED SPACECRAFT
- . SPACE PROBES
- . . VENUS PROBES
- . . . VENERA SATELLITES
- . . . . VENERA 4 SATELLITE

### VENERA 5 SATELLITE

- GS ARTIFICIAL SATELLITES
- . SOVIET SATELLITES
- . . VENERA SATELLITES
- . . . VENERA 5 SATELLITE
- INTERPLANETARY SPACECRAFT
- . VENUS PROBES
- . . VENERA SATELLITES
- . . . VENERA 5 SATELLITE
- SOVIET SPACECRAFT
- . VENERA SATELLITES
- . . VENERA 5 SATELLITE
- UNMANNED SPACECRAFT
- . SPACE PROBES
- . . VENUS PROBES
- . . . VENERA SATELLITES
- . . . . VENERA 5 SATELLITE

### VENERA 6 SATELLITE

- GS ARTIFICIAL SATELLITES
- . SOVIET SATELLITES
- . . VENERA SATELLITES
- . . . VENERA 6 SATELLITE
- INTERPLANETARY SPACECRAFT
- . VENUS PROBES
- . . VENERA SATELLITES
- . . . VENERA 6 SATELLITE
- SOVIET SPACECRAFT
- . VENERA SATELLITES
- . . VENERA 6 SATELLITE
- UNMANNED SPACECRAFT

### VENERA 6 SATELLITE-(CONT.)

- . SPACE PROBES
- . . VENUS PROBES
- . . . VENERA SATELLITES
- . . . . VENERA 6 SATELLITE

### VENERA 7 SATELLITE

- GS ARTIFICIAL SATELLITES
- . SOVIET SATELLITES
- . . VENERA SATELLITES
- . . . VENERA 7 SATELLITE
- INTERPLANETARY SPACECRAFT
- . VENUS PROBES
- . . VENERA SATELLITES
- . . . VENERA 7 SATELLITE
- SOVIET SPACECRAFT
- . VENERA SATELLITES
- . . VENERA 7 SATELLITE
- UNMANNED SPACECRAFT
- . SPACE PROBES
- . . VENUS PROBES
- . . . VENERA SATELLITES
- . . . . VENERA 7 SATELLITE

### VENERA 8 SATELLITE

- GS ARTIFICIAL SATELLITES
- . SOVIET SATELLITES
- . . VENERA SATELLITES
- . . . VENERA 8 SATELLITE
- INTERPLANETARY SPACECRAFT
- . VENUS PROBES
- . . VENERA SATELLITES
- . . . VENERA 8 SATELLITE
- SOVIET SPACECRAFT
- . VENERA SATELLITES
- . . VENERA 8 SATELLITE
- UNMANNED SPACECRAFT
- . SPACE PROBES
- . . VENUS PROBES
- . . . VENERA SATELLITES
- . . . . VENERA 8 SATELLITE
- RT U.S.S.R. SPACE PROGRAM
- VENUS (PLANET)

### VENERA 9 SATELLITE

- GS ARTIFICIAL SATELLITES
- . SOVIET SATELLITES
- . . VENERA SATELLITES
- . . . VENERA 9 SATELLITE
- INTERPLANETARY SPACECRAFT
- . VENUS PROBES
- . . VENERA SATELLITES
- . . . VENERA 9 SATELLITE
- SOVIET SPACECRAFT
- . VENERA SATELLITES
- . . VENERA 9 SATELLITE
- UNMANNED SPACECRAFT
- . SPACE PROBES
- . . VENUS PROBES
- . . . VENERA SATELLITES
- . . . . VENERA 9 SATELLITE

### VENERA 10 SATELLITE

- GS ARTIFICIAL SATELLITES
- . SOVIET SATELLITES
- . . VENERA SATELLITES
- . . . VENERA 10 SATELLITE
- INTERPLANETARY SPACECRAFT
- . VENUS PROBES
- . . VENERA SATELLITES
- . . . VENERA 10 SATELLITE
- SOVIET SPACECRAFT
- . VENERA SATELLITES
- . . VENERA 10 SATELLITE
- UNMANNED SPACECRAFT
- . SPACE PROBES
- . . VENUS PROBES
- . . . VENERA SATELLITES
- . . . . VENERA 10 SATELLITE
- RT U.S.S.R. SPACE PROGRAM
- VENUS (PLANET)

### VENERA 11 SATELLITE

- GS ARTIFICIAL SATELLITES
- . SOVIET SATELLITES
- . . VENERA SATELLITES
- . . . VENERA 11 SATELLITE
- INTERPLANETARY SPACECRAFT
- . VENUS PROBES
- . . VENERA SATELLITES
- . . . VENERA 11 SATELLITE
- SOVIET SPACECRAFT
- . VENERA SATELLITES
- . . VENERA 11 SATELLITE
- UNMANNED SPACECRAFT

### VENERA 11 SATELLITE-(CONT.)

- . SPACE PROBES
- . . VENUS PROBES
- . . . VENERA SATELLITES
- . . . . VENERA 11 SATELLITE
- RT U.S.S.R. SPACE PROGRAM
- VENUS (PLANET)
- VENUS ATMOSPHERE
- VENUS SURFACE

### VENERA 12 SATELLITE

- GS ARTIFICIAL SATELLITES
- . SOVIET SATELLITES
- . . VENERA SATELLITES
- . . . VENERA 12 SATELLITE
- INTERPLANETARY SPACECRAFT
- . VENUS PROBES
- . . VENERA SATELLITES
- . . . VENERA 12 SATELLITE
- SOVIET SPACECRAFT
- . VENERA SATELLITES
- . . VENERA 12 SATELLITE
- UNMANNED SPACECRAFT
- . SPACE PROBES
- . . VENUS PROBES
- . . . VENERA SATELLITES
- . . . . VENERA 12 SATELLITE
- RT U.S.S.R. SPACE PROGRAM
- VENUS (PLANET)
- VENUS ATMOSPHERE
- VENUS SURFACE

### VENEZIANO MODEL

- GS MODELS
- . MATHEMATICAL MODELS
- . . VENEZIANO MODEL
- RT ELEMENTARY PARTICLE INTERACTIONS

### VENEZUELA

- GS NATIONS
- . VENEZUELA
- RT SOUTH AMERICA

### VENN DIAGRAMS

- GS DIAGRAMS
- . VENN DIAGRAMS
- RT ANALYSIS (MATHEMATICS)
- GEOMETRY
- MATHEMATICAL LOGIC

### VENOM AIRCRAFT

- USE DH 112 AIRCRAFT

### VENTILATION

- RT AIR CONDITIONING
- AIR COOLING
- AIR FILTERS
- AIR FLOW
- AIR INTAKES
- AIR PURIFICATION
- BLOWERS
- COMFORT
- COOLING
- COOLING SYSTEMS
- DRAFT (GAS FLOW)
- DUCTS
- ENVIRONMENTAL ENGINEERING
- EXHAUST SYSTEMS
- EXHAUSTING
- LIFE SUPPORT SYSTEMS
- REFRIGERATING
- TEMPERATURE
- TEMPERATURE CONTROL
- TEMPERATURE DISTRIBUTION
- VENTILATORS
- VENTING
- VENTS

### VENTILATION FANS

- RT BLOWERS
- COOLING
- COOLING SYSTEMS
- DUCTED FANS
- FAN BLADES
- ∞ FANS
- VENTILATORS

### VENTILATORS

- RT AIR DUCTS
- AIR INTAKES
- BLOWERS
- ∞ DIFFUSERS
- EXHAUST SYSTEMS
- VENTILATION
- VENTILATION FANS

## VERONIQUE ROCKET VEHICLES

### VENTILATORS-(CONT.)

#### VENTS

#### VENTING

RT BREATHING VIBRATION  
COOLING  
∞ DISCHARGE  
EVACUATING (VACUUM)  
EXHAUSTING  
FLUSHING  
PURGING  
RELEASING  
RELIEF VALVES  
∞ SEPARATION  
VENTILATION  
VENTS

#### VENTRAL SECTIONS

RT ABDOMEN

#### VENTS

GS OUTLETS  
. VENTS  
RT ANNULAR DUCTS  
APERTURES  
CAVITIES  
CHIMNEYS  
COOLING SYSTEMS  
DUCTS  
EVACUATING (VACUUM)  
EXHAUST SYSTEMS  
FLUES  
GATES (OPENINGS)  
LOUVERS  
∞ NOZZLES  
OPENINGS  
PORTS (OPENINGS)  
RELIEF VALVES  
SLOTTED WIND TUNNELS  
VENTILATION  
VENTILATORS  
VENTING  
WINDOWS (APERTURES)

#### VENTURI TUBES

RT ∞ DETECTORS  
FLOW MEASUREMENT  
FLOWMETERS  
GAS METERS  
MEASURING INSTRUMENTS  
ORIFICES  
PITOT TUBES  
PRESSURE GRADIENTS  
PRESSURE MEASUREMENT  
∞ TUBES  
VELOCITY MEASUREMENT

#### VENUS (PLANET)

GS CELESTIAL BODIES  
. PLANETS  
. . . TERRESTRIAL PLANETS  
. . . VENUS (PLANET)  
RT PLANETARY CRATERS  
VEGA PROJECT  
VENERA 8 SATELLITE  
VENERA 10 SATELLITE  
VENERA 11 SATELLITE  
VENERA 12 SATELLITE

#### VENUS ATMOSPHERE

GS ENVIRONMENTS  
. EXTRATERRESTRIAL ENVIRONMENTS  
. . . PLANETARY ENVIRONMENTS  
. . . . PLANETARY ATMOSPHERES  
. . . . . VENUS ATMOSPHERE  
. . . . . VENUS CLOUDS  
RT AEROSPACE ENVIRONMENTS  
IONOPAUSE  
PLANETARY IONOSPHERES  
PLANETARY METEORLOGY  
VENERA 11 SATELLITE  
VENERA 12 SATELLITE  
VENUS ORBITING IMAGING RADAR  
(SPACECRAFT)

#### VENUS CLOUDS

GS ENVIRONMENTS  
. EXTRATERRESTRIAL ENVIRONMENTS  
. . . PLANETARY ENVIRONMENTS  
. . . . PLANETARY ATMOSPHERES  
. . . . . VENUS ATMOSPHERE  
. . . . . VENUS CLOUDS  
RT ATMOSPHERIC MODELS  
CLOUD COVER  
CLOUD PHYSICS

### VENUS CLOUDS-(CONT.)

∞ CLOUDS  
GREENHOUSE EFFECT

#### VENUS FLY TRAP ROCKET VEHICLE

GS ROCKET VEHICLES  
. SOUNDING ROCKETS  
. . . VENUS FLY TRAP ROCKET VEHICLE  
RT COSMIC DUST  
EXTRATERRESTRIAL MATTER

#### VENUS ORBITING IMAGING RADAR (SPACECRAFT)

GS RADAR  
. VENUS ORBITING IMAGING RADAR  
(SPACECRAFT)  
RT MAGELLAN PROJECT (NASA)  
MAGELLAN SPACECRAFT (NASA)  
SYNTHETIC APERTURE RADAR  
VENUS ATMOSPHERE  
VENUS PROBES  
VENUS SURFACE

#### VENUS PROBES

GS INTERPLANETARY SPACECRAFT  
. VENUS PROBES  
. . . MAGELLAN SPACECRAFT (NASA)  
. . . MARINER 1 SPACE PROBE  
. . . MARINER 2 SPACE PROBE  
. . . MARINER 5 SPACE PROBE  
. . . MARINER 10 SPACE PROBE  
. . . PIONEER VENUS 2 SPACECRAFT  
. . . PIONEER VENUS 2 TRANSPORTER  
BUS  
. . . VENERA SATELLITES  
. . . . VENERA 2 SATELLITE  
. . . . VENERA 3 SATELLITE  
. . . . VENERA 4 SATELLITE  
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. . . . VENERA 9 SATELLITE  
. . . . VENERA 10 SATELLITE  
. . . . VENERA 11 SATELLITE  
. . . . VENERA 12 SATELLITE  
. . . ZOND 1 SPACE PROBE  
. . . ZOND 3 SPACE PROBE  
. . . ZOND 4 SPACE PROBE  
. . . ZOND 5 SPACE PROBE  
. . . ZOND 6 SPACE PROBE  
. . . ZOND 7 SPACE PROBE  
. . . ZOND 8 SPACE PROBE  
UNMANNED SPACECRAFT  
. SPACE PROBES  
. . . VENUS PROBES  
. . . . MAGELLAN SPACECRAFT (NASA)  
. . . . MARINER 1 SPACE PROBE  
. . . . MARINER 2 SPACE PROBE  
. . . . MARINER 5 SPACE PROBE  
. . . . MARINER 10 SPACE PROBE  
. . . . VENERA SATELLITES  
. . . . . VENERA 2 SATELLITE  
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. . . . . VENERA 10 SATELLITE  
. . . . . VENERA 11 SATELLITE  
. . . . . VENERA 12 SATELLITE  
. . . . ZOND 1 SPACE PROBE  
. . . . ZOND 3 SPACE PROBE  
. . . . ZOND 4 SPACE PROBE  
. . . . ZOND 5 SPACE PROBE  
. . . . ZOND 6 SPACE PROBE  
. . . . ZOND 7 SPACE PROBE  
. . . . ZOND 8 SPACE PROBE  
RT MAGELLAN PROJECT (NASA)  
MARINER PROGRAM  
MARINER VENUS 67 SPACECRAFT  
MARS PROBES  
OUTER PLANETS EXPLORERS  
SPUTNIK 5 SATELLITE  
VENUS ORBITING IMAGING RADAR  
(SPACECRAFT)  
VOYAGER PROJECT

#### VENUS RADAR ECHOES

GS ECHOES  
. RADAR ECHOES  
. . . VENUS RADAR ECHOES

### VENUS RADAR MAPPER

USE MAGELLAN SPACECRAFT (NASA)

#### VENUS RADAR MAPPER PROJECT

USE MAGELLAN PROJECT (NASA)

#### VENUS SURFACE

GS PLANETARY SURFACES  
. VENUS SURFACE  
RT CLOUD COVER  
EXTRATERRESTRIAL ENVIRONMENTS  
MAGELLAN PROJECT (NASA)  
MAGELLAN SPACECRAFT (NASA)  
PLANETARY CRATERS  
SOLAR SYSTEM  
∞ SURFACES  
TOPOGRAPHY  
VENERA 11 SATELLITE  
VENERA 12 SATELLITE  
VENUS ORBITING IMAGING RADAR  
(SPACECRAFT)

#### VERBAL COMMUNICATION

GS COMMUNICATING  
. VERBAL COMMUNICATION  
. . . CONVERSATION  
RT ACOUSTICS  
LANGUAGES  
LECTURES  
PHONETICS  
TELEPHONY  
VOICE COMMUNICATION  
VOICE DATA PROCESSING  
WORDS (LANGUAGE)

#### VERIFICATION (PROVING)

USE PROVING

#### VERMICULITE

GS CLAYS  
. VERMICULITE  
MINERALS  
. VERMICULITE  
RT INSULATION  
MICA  
PACKAGING  
SILICATES

#### VERMONT

GS NATIONS  
. UNITED STATES  
. . . VERMONT  
RT LAKE CHAMPLAIN BASIN (NY-VT)  
ST LAWRENCE VALLEY (NORTH  
AMERICA)

#### VERNEUIL PROCESS

GS GROWTH  
. CRYSTAL GROWTH  
. . . VERNEUIL PROCESS  
RT CZOCHRALSKI METHOD  
RUBY LASERS

#### VERNIER ENGINES

GS ENGINES  
. ROCKET ENGINES  
. . . VERNIER ENGINES  
. . . . SYNCOM APOGEE ENGINES  
. . . . TORPEDO ENGINES  
. . . . VERNIER ENGINES  
. . . . . CONTROL ROCKETS  
. . . . . SYNCOM APOGEE ENGINES  
RT ELECTRIC ROCKET ENGINES  
ELECTROSTATIC ENGINES  
HYBRID PROPELLANT ROCKET ENGINES  
INTERNAL COMBUSTION ENGINES  
LAUNCH VEHICLES  
LIQUID PROPELLANT ROCKET ENGINES  
MA-2 ENGINE  
MA-3 ENGINE  
MA-5 ENGINE  
MICROROCKET ENGINES  
RESTARTABLE ROCKET ENGINES  
SOLID PROPELLANT ROCKET ENGINES  
THRUST VECTOR CONTROL

#### VERNINE

USE GUANOSINES

#### VERONIQUE ROCKET VEHICLES

GS ROCKET VEHICLES  
. SINGLE STAGE ROCKET VEHICLES  
. . . VERONIQUE ROCKET VEHICLES  
. . . . SOUNDING ROCKETS

## VERSATILITY

### VERONIQUE ROCKET VEHICLES-(CONT.)

RT VERONIQUE ROCKET VEHICLES  
LIQUID PROPELLANT ROCKET ENGINES  
∞ VEHICLES

### VERSATILITY

RT COMPATIBILITY  
FLEXIBILITY

### VERTEBRAE

GS ANATOMY  
MUSCULOSKELETAL SYSTEM  
BONES  
SPINE  
VERTEBRAE  
RT INTERVERTEBRAL DISKS  
NECK (ANATOMY)

### VERTEBRAL COLUMN

USE SPINE

### VERTEBRATES

GS ANIMALS  
VERTEBRATES  
AMPHIBIA  
FROGS  
BIRDS  
CHICKENS  
PIGEONS  
TURKEYS  
WATERFOWL  
FISHES  
SCHOOLS (FISH)  
SHARKS  
MAMMALS  
BATS  
BEARS  
CATS  
CATTLE  
CALVES  
DEER  
CARIBOUS  
DOGS  
GOATS  
HORSES  
MARINE MAMMALS  
DOLPHINS  
MANATEES  
PORPOISES  
SEALS (ANIMALS)  
WHALES  
MOLES  
PRIMATES  
APES  
CHIMPANZEES  
BABOONS  
HUMAN BEINGS  
MONKEYS  
RODENTS  
GUINEA PIGS  
HAMSTERS  
MICE  
JERBOAS  
POCKET MICE  
RABBITS  
RATS  
SQUIRRELS  
GROUND SQUIRRELS  
SHEEP  
SHREWS  
SWINE  
WOLVES  
REPTILES  
LIZARDS  
SNAKES  
TURTLES  
RT HOMEOTHERMS

### VERTICAL AIR CURRENTS

UF UPDRAFTS  
GS FLUID FLOW  
GAS FLOW  
AIR FLOW  
AIR CURRENTS  
VERTICAL AIR CURRENTS  
RT ATMOSPHERIC CIRCULATION  
CONVECTION CLOUDS  
CONVECTION CURRENTS  
LEE WAVES  
MIXING HEIGHT  
SOARING  
TURBULENCE  
WIND (METEOROLOGY)  
WINDS ALOFT

### VERTICAL ATTITUDE TAKEOFF-LANDING

AIRCRAFT  
USE VATOL AIRCRAFT

### VERTICAL DISTRIBUTION

GS DISTRIBUTION (PROPERTY)  
VERTICAL DISTRIBUTION  
STAR DISTRIBUTION  
RT ELECTRON DISTRIBUTION  
ION DISTRIBUTION  
PRESSURE DISTRIBUTION  
RADIATION DISTRIBUTION  
SPATIAL DISTRIBUTION  
TEMPERATURE DISTRIBUTION  
WIND PROFILES

### VERTICAL FINS

USE FINS

### VERTICAL FLIGHT

RT BALLOON FLIGHT  
CLIMBING FLIGHT  
∞ FLIGHT  
FLIGHT PATHS  
HOVERING  
ROCKET FLIGHT  
V/STOL AIRCRAFT

### VERTICAL JUNCTION SOLAR CELLS

GS ELECTRIC GENERATORS  
DIRECT POWER GENERATORS  
PHOTOELECTRIC GENERATORS  
PHOTOVOLTAIC CELLS  
SOLAR CELLS  
VERTICAL JUNCTION SOLAR CELLS  
SOLAR GENERATORS  
SOLAR CELLS  
VERTICAL JUNCTION SOLAR CELLS  
ELECTRONIC EQUIPMENT  
SOLID STATE DEVICES  
SEMICONDUCTOR DEVICES  
PHOTOVOLTAIC CELLS  
SOLAR CELLS  
VERTICAL JUNCTION SOLAR CELLS  
PHOTOELECTRIC CELLS  
PHOTOVOLTAIC CELLS  
SOLAR CELLS  
VERTICAL JUNCTION SOLAR CELLS  
RT WAFERS

### VERTICAL LANDING

UF VERTICAL TAKEOFF AND LANDING  
VTOL  
GS LANDING  
VERTICAL LANDING  
RT AIRCRAFT LANDING  
SPACECRAFT LANDING  
TOUCHDOWN  
VATOL AIRCRAFT

### VERTICAL MOTION

RT FALLING  
∞ MOTION  
TOUCHDOWN

### VERTICAL MOTION SIMULATORS

GS SIMULATORS  
VIBRATION SIMULATORS  
VERTICAL MOTION SIMULATORS  
RT ∞ MOTION  
SHAKERS  
SHOCK SIMULATORS  
VIBRATORY LOADS

### VERTICAL ORIENTATION

RT ALIGNMENT  
ATTITUDE (INCLINATION)  
DIRECTIONAL STABILITY  
DYNAMIC STABILITY  
HORIZONTAL ORIENTATION  
LATERAL STABILITY  
∞ ORIENTATION  
STABILIZATION

### VERTICAL PERCEPTION

GS PERCEPTION  
SENSORY PERCEPTION  
VERTICAL PERCEPTION  
RT BODY SWAY TEST  
GRAVIRECEPTORS  
OCULOGRAVIC ILLUSIONS  
∞ ORIENTATION

### VERTICAL PERCEPTION-(CONT.)

OTOLITH ORGANS  
∞ SPACE ORIENTATION  
VESTIBULAR TESTS

### VERTICAL STABILIZERS

USE STABILIZERS (FLUID DYNAMICS)

### VERTICAL TAILS

USE STABILIZERS (FLUID DYNAMICS)  
TAIL ASSEMBLIES

### VERTICAL TAKEOFF

UF VERTICAL TAKEOFF AND LANDING  
VTOL  
GS TAKEOFF  
VERTICAL TAKEOFF

### VERTICAL TAKEOFF AIRCRAFT

UF VTOL AIRCRAFT  
GS V/STOL AIRCRAFT  
VERTICAL TAKEOFF AIRCRAFT  
FLYING PLATFORMS  
SC-1 AIRCRAFT  
VJ-101 AIRCRAFT  
VZ-8 AIRCRAFT  
X-13 AIRCRAFT  
X-14 AIRCRAFT  
X-19 AIRCRAFT  
X-22 AIRCRAFT  
X-22A AIRCRAFT  
XC-142 AIRCRAFT  
XV-4 AIRCRAFT  
XV-11A AIRCRAFT  
RT ∞ AIRCRAFT  
BELL 214A HELICOPTER  
CF-700 ENGINE  
CIRCULATION CONTROL ROTORS  
COMPOUND HELICOPTERS  
CONVERTIBLE FAN-SHAFT ENGINES  
CUSHIONCRAFT GROUND EFFECT MACHINE  
FAN IN WING AIRCRAFT  
GETOL AIRCRAFT  
HELICOPTERS  
LIFT FANS  
LIFTING ROTORS  
∞ MILITARY AIRCRAFT  
POWERED LIFT AIRCRAFT  
RESEARCH AIRCRAFT  
ROTARY WING AIRCRAFT  
SHORT TAKEOFF AIRCRAFT  
∞ SUBSONIC AIRCRAFT  
T-58 ENGINE  
T-58-GE-8B ENGINE  
TILT WING AIRCRAFT  
VATOL AIRCRAFT  
∞ WINGED VEHICLES

### VERTICAL TAKEOFF AND LANDING

USE VERTICAL LANDING  
VERTICAL TAKEOFF

### VERTICAL 8 ROCKET

GS ROCKET VEHICLES  
SOUNDING ROCKETS  
VERTICAL 8 ROCKET  
RT PAYLOADS  
∞ ROCKETS

### VERTICES

USE APEXES

### VERTIGO

GS SIGNS AND SYMPTOMS  
VERTIGO  
RT BARANY CHAIR  
EAR PRESSURE TEST  
VESTIBULAR TESTS

### VERTOL MILITARY HELICOPTERS

USE BOEING AIRCRAFT

### VERY HIGH FREQUENCIES

SN (30 TO 300 MHZ)  
GS FREQUENCIES  
RADIO FREQUENCIES  
VERY HIGH FREQUENCIES  
P BAND  
RT DECAMETRIC WAVES  
LOW FREQUENCY BANDS  
MAXIMUM USABLE FREQUENCY

## VIBRATION MEASUREMENT

**VERY HIGH FREQUENCY RADIO EQUIPMENT**  
 UF ULTRA SHORT WAVE RADIO EQUIPMENT  
 GS RADIO EQUIPMENT  
 . **VERY HIGH FREQUENCY RADIO EQUIPMENT**  
 RT RADIO ASTRONOMY  
 ULTRAHIGH FREQUENCIES

**VERY HIGH SPEED INTEGRATED CIRCUITS**  
 USE VHSIC (CIRCUITS)

**VERY LARGE ARRAY (VLA)**  
 GS RADIO EQUIPMENT  
 . RADIO TELESCOPES  
 . **VERY LARGE ARRAY (VLA)**  
 TELESCOPES  
 . RADIO TELESCOPES  
 . **VERY LARGE ARRAY (VLA)**  
 RT ANTENNA ARRAYS  
 RADIO ASTRONOMY

**VERY LARGE SCALE INTEGRATION**  
 UF VLSI  
 GS CIRCUITS  
 . INTEGRATED CIRCUITS  
 . **VERY LARGE SCALE INTEGRATION**  
 MICROELECTRONICS  
 . **VERY LARGE SCALE INTEGRATION**  
 ARCHITECTURE (COMPUTERS)  
 RT CHIPS (ELECTRONICS)  
 LARGE SCALE INTEGRATION  
 MOLECULAR ELECTRONICS  
 SYSTOLIC ARRAYS

**VERY LONG BASE INTERFEROMETRY**  
 UF VLBI  
 GS INTERFEROMETRY  
 . **VERY LONG BASE INTERFEROMETRY**  
 RT DIFFRACTION PATTERNS  
 ETALONS  
 INTERFEROMETERS  
 NULL ZONES  
 QUASAT  
 RADIO ASTRONOMY  
 RADIO INTERFEROMETERS  
 VERY LONG BASELINE ARRAY (VLBA)

**VERY LONG BASELINE ARRAY (VLBA)**  
 GS RADIO EQUIPMENT  
 . RADIO TELESCOPES  
 . **VERY LONG BASELINE ARRAY (VLBA)**  
 TELESCOPES  
 . RADIO TELESCOPES  
 . **VERY LONG BASELINE ARRAY (VLBA)**  
 RT ANTENNA ARRAYS  
 RADIO ASTRONOMY  
 VERY LONG BASE INTERFEROMETRY

**VERY LOW FREQUENCIES**  
 SN (3 TO 30 KHZ)  
 GS FREQUENCIES  
 . RADIO FREQUENCIES  
 . . . LOW FREQUENCIES  
 . . . **VERY LOW FREQUENCIES**  
 . . . LOW FREQUENCY BANDS  
 . . . **VERY LOW FREQUENCIES**  
 RT AUDIO FREQUENCIES

**VESSLS**  
 SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*  
 RT BLOOD VESSELS  
 ∞ CAPSULES  
 FLUID FILLED SHELLS  
 LIQUID FILLED SHELLS  
 NAVY  
 PRESSURE VESSELS  
 SHIPS

**VESTA ASTEROID**  
 GS CELESTIAL BODIES  
 . ASTEROID BELTS  
 . . . ASTEROIDS  
 . . . **VESTA ASTEROID**  
 RT METEORIDS  
 SOLAR SYSTEM  
 SPACE DEBRIS

**VESTIBULAR NYSTAGMUS**  
 GS EYE MOVEMENTS  
 . NYSTAGMUS

**VESTIBULAR NYSTAGMUS-(CONT.)**  
 . . . **VESTIBULAR NYSTAGMUS**  
 REFLEXES  
 . **VESTIBULAR NYSTAGMUS**  
 RT ANATOMY  
 EYE (ANATOMY)  
 OPHTHALMOLOGY

**VESTIBULAR TESTS**  
 GS PHYSIOLOGICAL TESTS  
 . **VESTIBULAR TESTS**  
 RT BODY SWAY TEST  
 CORIOLIS EFFECT  
 EAR PRESSURE TEST  
 HEAD DOWN TILT  
 HEAD MOVEMENT  
 VERTICAL PERCEPTION  
 VERTIGO

**VESTIBULES**  
 GS ANATOMY  
 . SENSE ORGANS  
 . . . EAR  
 . . . LABYRINTH  
 . . . . **VESTIBULES**  
 RT MORPHOLOGY  
 PASSAGEWAYS  
 SEMICIRCULAR CANALS

**VESTS**  
 RT CLOTHING  
 GARMENTS

**VETERINARY MEDICINE**  
 RT ∞ BIOLOGY  
 DIAGNOSIS  
 DISEASES  
 EPIDEMIOLOGY  
 IMMUNOLOGY  
 INJURIES  
 ∞ MEDICINE  
 PATHOLOGY  
 PHARMACOLOGY  
 SURGERY

**VFR (RULES)**  
 USE VISUAL FLIGHT RULES

**VHF OMNIRANGE NAVIGATION**  
 UF OMNIRANGE NAVIGATION  
 VOR SYSTEMS  
 GS NAVIGATION  
 . RADIO NAVIGATION  
 . . . **VHF OMNIRANGE NAVIGATION**  
 RT AIR NAVIGATION  
 NAVIGATION AIDS  
 RADIO DIRECTION FINDERS  
 SOLAR COMPASSES

**VHSIC (CIRCUITS)**  
 UF VERY HIGH SPEED INTEGRATED  
 CIRCUITS  
 GS CIRCUITS  
 . INTEGRATED CIRCUITS  
 . . **VHSIC (CIRCUITS)**  
 RT CHIPS (ELECTRONICS)  
 LARGE SCALE INTEGRATION  
 SIGNAL PROCESSING

**VIABILITY**  
 RT ANIMALS  
 CARBON CYCLE  
 CROP VIGOR  
 GERMINATION  
 GROWTH  
 PLANTS (BOTANY)  
 SEEDS

**VIBRATION**  
 UF JITTER  
 GS **VIBRATION**  
 . COMBUSTION VIBRATION  
 . FORCED VIBRATION  
 . FREE VIBRATION  
 . LATTICE VIBRATIONS  
 . POGO EFFECTS  
 . RANDOM VIBRATION  
 . RESONANT VIBRATION  
 . STRUCTURAL VIBRATION  
 . . BENDING VIBRATION  
 . . BREATHING VIBRATION  
 . . FLUTTER  
 . . . PANEL FLUTTER  
 . . . SUBSONIC FLUTTER

**VIBRATION-(CONT.)**  
 . . . SUPERSONIC FLUTTER  
 . . . TRANSONIC FLUTTER  
 . . . LINEAR VIBRATION  
 . . . MISSILE VIBRATION  
 . . . SELF INDUCED VIBRATION  
 . . . PANEL FLUTTER  
 . . . SUBSONIC FLUTTER  
 . . . SUPERSONIC FLUTTER  
 . . . TRANSONIC FLUTTER  
 . . . TORSIONAL VIBRATION  
 RT ACOUSTICS  
 AIRFOIL OSCILLATIONS  
 AMPLITUDES  
 ANTINODES  
 COMPACTING  
 CYCLIC LOADS  
 DISPLACEMENT  
 ∞ DYNAMICS  
 ELASTIC WAVES  
 FATIGUE (MATERIALS)  
 FLAPPING  
 HARMONICS  
 ISOLATORS  
 MECHANICAL OSCILLATORS  
 MECHANICAL SHOCK  
 MODES (STANDING WAVES)  
 ∞ MOTION  
 NODES (STANDING WAVES)  
 NUTATION  
 OSCILLATING CYLINDERS  
 OSCILLATIONS  
 OSCILLATORS  
 RESONANCE  
 SHAKING  
 SHOCK RESISTANCE  
 SPACECRAFT MOTION  
 STANDING WAVES  
 VIBRATIONAL STRESS  
 VIBRATORY LOADS  
 VIBRATORY POLISHING  
 ∞ WAVES  
 WING OSCILLATIONS

**VIBRATION DAMPERS**  
 USE VIBRATION ISOLATORS

**VIBRATION DAMPING**  
 GS DAMPING  
 . **VIBRATION DAMPING**  
 RT ACOUSTICS  
 ATTENUATION  
 DAST PROGRAM  
 ELASTIC DAMPING  
 FLEXIBLE SPACECRAFT  
 GYRODAMPERS  
 HARMONIC CONTROL  
 MOLECULAR RELAXATION  
 NONOSCILLATORY ACTION  
 NONSTABILIZED OSCILLATION  
 SHOCK ABSORBERS

**VIBRATION EFFECTS**  
 GS **VIBRATION EFFECTS**  
 . POGO EFFECTS  
 RT ∞ EFFECTS  
 SUPPORT INTERFERENCE  
 VIBRATIONAL STRESS

**VIBRATION ISOLATORS**  
 UF VIBRATION DAMPERS  
 VIBRATION PROTECTION  
 GS ISOLATORS  
 . **VIBRATION ISOLATORS**  
 RT ∞ ABSORBERS  
 ACOUSTIC RETROFITTING  
 CUSHIONS  
 ∞ DAMPERS  
 DAMPERS (VALVES)  
 DAMPING  
 ENERGY ABSORPTION  
 NOISE REDUCTION  
 OSCILLATION DAMPERS  
 SHOCK ABSORBERS  
 SPRINGS (ELASTIC)  
 SUSPENSION SYSTEMS (VEHICLES)

**VIBRATION MEASUREMENT**  
 GS MECHANICAL MEASUREMENT  
 . **VIBRATION MEASUREMENT**  
 RT CEPSTRAL ANALYSIS  
 DAMPING TESTS  
 FREQUENCY ANALYZERS  
 FREQUENCY MEASUREMENT  
 ∞ MEASUREMENT

## VIBRATION METERS

### VIBRATION MEASUREMENT-(CONT.) STRESS MEASUREMENT

#### VIBRATION METERS

UF VIBROMETERS  
GS MEASURING INSTRUMENTS  
    . VIBRATION METERS  
    . . SEISMOGRAPHS  
    . . . LUNAR SEISMOGRAPHS  
RT ACCELEROMETERS  
    TRANSDUCERS

#### VIBRATION MODE

UF MODE OF VIBRATION  
GS MODES  
    . VIBRATION MODE  
    . . UNCOUPLED MODES  
RT AIRFOIL OSCILLATIONS  
    FREE VIBRATION  
    LINEAR VIBRATION  
    MODE TRANSFORMERS  
    TRANSVERSE WAVES

#### VIBRATION PERCEPTION

GS PERCEPTION  
    . SENSORY PERCEPTION  
    . . VIBRATION PERCEPTION

#### VIBRATION PROTECTION

USE VIBRATION ISOLATORS

#### VIBRATION SIMULATORS

UF VIBRATION TESTING MACHINES  
GS SIMULATORS  
    . VIBRATION SIMULATORS  
    . . VERTICAL MOTION SIMULATORS  
RT FLUTTER  
    . MACHINERY  
    . . SHAKERS  
    . . SHOCK SIMULATORS  
    . . VIBRATORY LOADS

#### VIBRATION TESTING MACHINES

USE VIBRATION SIMULATORS

#### VIBRATION TESTS

GS VIBRATION TESTS  
    . DAMPING TESTS  
    . . STROKING TESTS  
RT DESTRUCTIVE TESTS  
    DYNAMIC TESTS  
    ELECTRONIC EQUIPMENT TESTS  
    ENGINE TESTS  
    ENVIRONMENTAL TESTS  
    FLIGHT TESTS  
    FLUTTER  
    MECHANICAL ENGINEERING  
    OSCILLATIONS  
    RESONANCE TESTING  
    SHOCK TESTS  
    STABILITY TESTS  
    STATIC TESTS  
    STRUCTURAL VIBRATION  
    . . TESTS

#### VIBRATIONAL FREEZING

GS PHASE TRANSFORMATIONS  
    . FREEZING  
    . . VIBRATIONAL FREEZING

#### VIBRATIONAL FREQUENCIES (MOLECULAR)

USE VIBRATIONAL SPECTRA

#### VIBRATIONAL FREQUENCIES (STRUCTURAL)

USE RESONANT FREQUENCIES

#### VIBRATIONAL RELAXATION

USE MOLECULAR RELAXATION

#### VIBRATIONAL SPECTRA

UF VIBRATIONAL FREQUENCIES  
    (MOLECULAR)  
GS SPECTRA  
    . MOLECULAR SPECTRA  
    . . VIBRATIONAL SPECTRA  
    . . RADIATION SPECTRA  
    . . . ELECTROMAGNETIC SPECTRA  
    . . . VIBRATIONAL SPECTRA  
RT ELECTRONIC SPECTRA  
    ENERGY SPECTRA  
    MOLECULAR RELAXATION  
    RAMAN SPECTRA

#### VIBRATIONAL STRESS

GS STRESSES  
    . VIBRATIONAL STRESS  
RT FLUTTER  
    VIBRATION  
    VIBRATION EFFECTS  
    VIBRATORY LOADS

#### VIBRATORY LOADS

GS LOADS (FORCES)  
    . DYNAMIC LOADS  
    . . VIBRATORY LOADS  
RT AERODYNAMIC LOADS  
    CYCLIC LOADS  
    STRUCTURAL DESIGN CRITERIA  
    VERTICAL MOTION SIMULATORS  
    VIBRATION  
    VIBRATION SIMULATORS  
    VIBRATIONAL STRESS

#### VIBRATORY POLISHING

GS POLISHING  
    . VIBRATORY POLISHING  
RT METALLOGRAPHY  
    VIBRATION

#### VIBROCARDIOGRAPHY

USE PHONOCARDIOGRAPHY

#### VIBROMETERS

USE VIBRATION METERS

#### VICKERS SCIMITAR AIRCRAFT

USE SCIMITAR AIRCRAFT

#### VICKERS VALIANT AIRCRAFT

USE VALIANT AIRCRAFT

#### VICKERS VC-10 AIRCRAFT

USE VC-10 AIRCRAFT

#### VICKERS 1100 AIRCRAFT

USE VC-10 AIRCRAFT

#### VICTOR MK-1 AIRCRAFT

GS ATTACK AIRCRAFT  
    . BOMBER AIRCRAFT  
    . . VICTOR MK-1 AIRCRAFT  
    . . . HANDLEY PAGE AIRCRAFT  
    . . . VICTOR MK-1 AIRCRAFT  
    . . . JET AIRCRAFT  
    . . . VICTOR MK-1 AIRCRAFT  
    . . . MONOPLANES  
    . . . VICTOR MK-1 AIRCRAFT  
    . . . RECONNAISSANCE AIRCRAFT  
    . . . VICTOR MK-1 AIRCRAFT  
RT . AIRCRAFT

#### VIDEO COMMUNICATION

GS TELECOMMUNICATION  
    . VIDEO COMMUNICATION  
RT TELEVISION SYSTEMS  
    VIDEO SIGNALS

#### VIDEO DATA

RT ANALOG DATA  
    . DATA  
    . . DATA CONVERTERS  
    . . DATA TRANSMISSION  
    . . DIGITAL DATA  
    . . DISPLAY DEVICES  
    . . RADAR DATA  
    . . SMEAR  
    . . TELECOMMUNICATION  
    . . TELEVISION SYSTEMS  
    . . VIDEO DISKS  
    . . VIDEO SIGNALS

#### VIDEO DISKS

GS DOCUMENTS  
    . RECORDS  
    . . VIDEO DISKS  
RT DATA RECORDERS  
    DATA RECORDING  
    DATA STORAGE  
    DISKS (SHAPES)  
    MAGNETIC DISKS  
    MEMORY (COMPUTERS)  
    OPTICAL DATA STORAGE MATERIALS  
    OPTICAL DISKS  
    OPTICAL MEMORY (DATA STORAGE)  
    PLAYBACKS  
    VIDEO DATA  
    VIDEO EQUIPMENT

#### VIDEO EQUIPMENT

GS VIDEO EQUIPMENT  
    . PICTURE TUBES  
RT ADVANCED VIDICON CAMERA SYSTEM  
    (AVCS)  
    CAMERA TUBES  
    CATHODE RAY TUBES  
    COMPENSATORS  
    DISPLAY DEVICES  
    FLYING SPOT SCANNERS  
    MOTION PICTURES  
    OPTICAL EQUIPMENT  
    OSCILLOSCOPES  
    RECORDING HEADS  
    TELEVISION EQUIPMENT  
    VIDEO DISKS  
    VIDICONS

#### VIDEO LANDMARK ACQUISITION AND TRACKING

GS TRACKING (POSITION)  
    . VIDEO LANDMARK ACQUISITION AND  
    TRACKING  
RT AVIONICS  
    IMAGE CORRELATORS  
    MAP MATCHING GUIDANCE  
    SCENE ANALYSIS  
    SIGNATURES  
    TERCOM  
    TERRAIN ANALYSIS  
    TRACKING FILTERS

#### VIDEO SIGNALS

RT SIGNAL PROCESSING  
    SIGNAL TRANSMISSION  
    . SIGNALS  
    . . VIDEO COMMUNICATION  
    . . VIDEO DATA

#### VIDICONS

GS ELECTRON TUBES  
    . CAMERA TUBES  
    . . VIDICONS  
    . . . RETURN BEAM VIDICONS  
    . . . THERMICONs  
RT ADVANCED VIDICON CAMERA SYSTEM  
    (AVCS)  
    FIBER OPTICS  
    PIXELS  
    VIDEO EQUIPMENT

#### VIETNAM

UF NORTH VIETNAM  
    REPUBLIC OF VIETNAM  
    SOUTH VIETNAM  
GS NATIONS  
    . VIETNAM  
RT ASIA  
    SOUTHEAST ASIA

#### VIEW EFFECTS

SN (LIMITED TO EFFECTS OF CHANGE IN  
    ANGULAR SIZE OF FIELD OF VIEW  
    UPON RECEPTORS OF RADIATION)  
RT ANGULAR CORRELATION  
    . EFFECTS  
    . . RADIANT FLUX DENSITY  
    . . RADIATION MEASURING INSTRUMENTS  
    . . RADIATIVE HEAT TRANSFER  
    . . VIEWING

#### VIEWING

GS VIEWING  
    . FIELD OF VIEW  
RT DISPLAY DEVICES  
    PERISCOPES  
    VIEW EFFECTS  
    VISIBILITY  
    VISION

#### VIGILANTE AIRCRAFT

USE A-5 AIRCRAFT

#### VIGNETTING

RT DEFECTS  
    FOCUSING  
    LENSES

#### VIKING LANDER SPACECRAFT

GS INTERPLANETARY SPACECRAFT  
    . MARS PROBES  
    . . VIKING SPACECRAFT  
    . . . VIKING LANDER SPACECRAFT  
    . . . . VIKING LANDER 1  
    . . . . VIKING LANDER 2

**VIKING LANDER SPACECRAFT-(CONT.)**

UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . MARS PROBES  
 . . . VIKING SPACECRAFT  
 . . . **VIKING LANDER SPACECRAFT**  
 . . . . VIKING LANDER 1  
 . . . . VIKING LANDER 2  
 RT INTERPLANETARY TRAJECTORIES  
 SPACE EXPLORATION  
 SPACE FLIGHT

**VIKING LANDER 1**

GS INTERPLANETARY SPACECRAFT  
 . MARS PROBES  
 . . VIKING SPACECRAFT  
 . . . VIKING LANDER SPACECRAFT  
 . . . . **VIKING LANDER 1**  
 . . . . VIKING 1 SPACECRAFT  
 . . . . **VIKING LANDER 1**  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . MARS PROBES  
 . . VIKING SPACECRAFT  
 . . . VIKING LANDER SPACECRAFT  
 . . . . **VIKING LANDER 1**  
 . . . . VIKING 1 SPACECRAFT  
 . . . . **VIKING LANDER 1**  
 RT INTERPLANETARY TRAJECTORIES  
 MARS SURFACE SAMPLES  
 SPACE EXPLORATION  
 SPACE FLIGHT

**VIKING LANDER 2**

GS INTERPLANETARY SPACECRAFT  
 . MARS PROBES  
 . . VIKING SPACECRAFT  
 . . . VIKING LANDER SPACECRAFT  
 . . . . **VIKING LANDER 2**  
 . . . . VIKING 2 SPACECRAFT  
 . . . . **VIKING LANDER 2**  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . MARS PROBES  
 . . VIKING SPACECRAFT  
 . . . VIKING LANDER SPACECRAFT  
 . . . . **VIKING LANDER 2**  
 . . . . VIKING 2 SPACECRAFT  
 . . . . **VIKING LANDER 2**  
 RT INTERPLANETARY TRAJECTORIES  
 MARS SURFACE SAMPLES  
 SPACE EXPLORATION  
 SPACE FLIGHT

**VIKING MARS PROGRAM**

GS PROGRAMS  
 . NASA PROGRAMS  
 . . NASA SPACE PROGRAMS  
 . . . **VIKING MARS PROGRAM**  
 . . . SPACE PROGRAMS  
 . . . NASA SPACE PROGRAMS  
 . . . **VIKING MARS PROGRAM**  
 RT SPACE EXPLORATION  
 VIKING SPACECRAFT

**VIKING ORBITER SPACECRAFT**

GS INTERPLANETARY SPACECRAFT  
 . MARS PROBES  
 . . VIKING SPACECRAFT  
 . . . **VIKING ORBITER SPACECRAFT**  
 . . . . VIKING ORBITER 1  
 . . . . VIKING ORBITER 2  
 . . . . VIKING ORBITER 1975  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . MARS PROBES  
 . . VIKING SPACECRAFT  
 . . . **VIKING ORBITER SPACECRAFT**  
 . . . . VIKING ORBITER 1  
 . . . . VIKING ORBITER 2  
 . . . . VIKING ORBITER 1975  
 RT INTERPLANETARY TRAJECTORIES  
 PLANETARY ORBITS  
 SPACE EXPLORATION  
 SPACE FLIGHT  
 ∞SPACECRAFT

**VIKING ORBITER 1**

GS INTERPLANETARY SPACECRAFT  
 . MARS PROBES  
 . . VIKING SPACECRAFT  
 . . . VIKING ORBITER SPACECRAFT  
 . . . . **VIKING ORBITER 1**  
 . . . . VIKING 1 SPACECRAFT  
 . . . . **VIKING ORBITER 1**

**VIKING ORBITER 1-(CONT.)**

UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . MARS PROBES  
 . . VIKING SPACECRAFT  
 . . . VIKING ORBITER SPACECRAFT  
 . . . . **VIKING ORBITER 1**  
 . . . . VIKING 1 SPACECRAFT  
 . . . . **VIKING ORBITER 1**  
 RT INTERPLANETARY TRAJECTORIES  
 SPACE EXPLORATION  
 SPACE FLIGHT  
 ∞SPACECRAFT

**VIKING ORBITER 2**

GS INTERPLANETARY SPACECRAFT  
 . MARS PROBES  
 . . VIKING SPACECRAFT  
 . . . VIKING ORBITER SPACECRAFT  
 . . . . **VIKING ORBITER 2**  
 . . . . VIKING 2 SPACECRAFT  
 . . . . **VIKING ORBITER 2**  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . MARS PROBES  
 . . VIKING SPACECRAFT  
 . . . VIKING ORBITER SPACECRAFT  
 . . . . **VIKING ORBITER 2**  
 . . . . VIKING 2 SPACECRAFT  
 . . . . **VIKING ORBITER 2**  
 RT INTERPLANETARY TRAJECTORIES  
 SPACE EXPLORATION  
 SPACE FLIGHT  
 ∞SPACECRAFT

**VIKING ORBITER 1975**

GS INTERPLANETARY SPACECRAFT  
 . MARS PROBES  
 . . VIKING SPACECRAFT  
 . . . VIKING ORBITER SPACECRAFT  
 . . . . **VIKING ORBITER 1975**  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . MARS PROBES  
 . . VIKING SPACECRAFT  
 . . . VIKING ORBITER SPACECRAFT  
 . . . . **VIKING ORBITER 1975**

**VIKING ROCKET VEHICLE**

GS ROCKET VEHICLES  
 . SINGLE STAGE ROCKET VEHICLES  
 . . **VIKING ROCKET VEHICLE**  
 RT LIQUID PROPELLANT ROCKET ENGINES  
 SOUNDING ROCKETS  
 VANGUARD 2 LAUNCH VEHICLE

**VIKING SPACECRAFT**

GS INTERPLANETARY SPACECRAFT  
 . MARS PROBES  
 . . **VIKING SPACECRAFT**  
 . . . VIKING LANDER SPACECRAFT  
 . . . . VIKING LANDER 1  
 . . . . VIKING LANDER 2  
 . . . . VIKING ORBITER SPACECRAFT  
 . . . . VIKING ORBITER 1  
 . . . . VIKING ORBITER 2  
 . . . . VIKING ORBITER 1975  
 . . . VIKING 1 SPACECRAFT  
 . . . . VIKING LANDER 1  
 . . . . VIKING ORBITER 1  
 . . . . VIKING 2 SPACECRAFT  
 . . . . VIKING LANDER 2  
 . . . . VIKING ORBITER 2  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . MARS PROBES  
 . . **VIKING SPACECRAFT**  
 . . . VIKING LANDER SPACECRAFT  
 . . . . VIKING LANDER 1  
 . . . . VIKING LANDER 2  
 . . . . VIKING ORBITER SPACECRAFT  
 . . . . VIKING ORBITER 1  
 . . . . VIKING ORBITER 2  
 . . . . VIKING ORBITER 1975  
 . . . VIKING 1 SPACECRAFT  
 . . . . VIKING LANDER 1  
 . . . . VIKING ORBITER 1  
 . . . . VIKING 2 SPACECRAFT  
 . . . . VIKING LANDER 2  
 . . . . VIKING ORBITER 2  
 RT VIKING MARS PROGRAM

**VIKING 1 SPACECRAFT**

GS INTERPLANETARY SPACECRAFT  
 . MARS PROBES

**VIKING 1 SPACECRAFT-(CONT.)**

. . VIKING SPACECRAFT  
 . . . **VIKING 1 SPACECRAFT**  
 . . . . VIKING LANDER 1  
 . . . . VIKING ORBITER 1  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . MARS PROBES  
 . . VIKING SPACECRAFT  
 . . . **VIKING 1 SPACECRAFT**  
 . . . . VIKING LANDER 1  
 . . . . VIKING ORBITER 1  
 RT INTERPLANETARY TRAJECTORIES  
 SPACE EXPLORATION  
 SPACE FLIGHT

**VIKING 2 SPACECRAFT**

GS INTERPLANETARY SPACECRAFT  
 . MARS PROBES  
 . . VIKING SPACECRAFT  
 . . . **VIKING 2 SPACECRAFT**  
 . . . . VIKING LANDER 2  
 . . . . VIKING ORBITER 2  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . MARS PROBES  
 . . VIKING SPACECRAFT  
 . . . **VIKING 2 SPACECRAFT**  
 . . . . VIKING LANDER 2  
 . . . . VIKING ORBITER 2  
 RT INTERPLANETARY TRAJECTORIES  
 SPACE EXPLORATION  
 SPACE FLIGHT

**VIKING 75 ENTRY VEHICLE**

GS INTERPLANETARY SPACECRAFT  
 . MARS PROBES  
 . . **VIKING 75 ENTRY VEHICLE**  
 RT MARS LANDING  
 SOFT LANDING

**VINEYARDS**

RT AGRICULTURE  
 BLIGHT  
 BOTANY  
 CROP GROWTH  
 CROP VIGOR  
 ∞CROPS  
 EARTH RESOURCES  
 FARM CROPS  
 ∞FOOD  
 IRRIGATION  
 PLANTS (BOTANY)  
 WINES

**VINTI THEORY**

GS PERTURBATION THEORY  
 . **VINTI THEORY**  
 RT GEODESY  
 ORBIT PERTURBATION  
 ∞THEORIES

**VINYL COPOLYMERS**

GS COPOLYMERS  
 . **VINYL COPOLYMERS**  
 PLASTICS  
 . SYNTHETIC RESINS  
 . . ADDITION RESINS  
 . . **VINYL COPOLYMERS**  
 RESINS  
 . SYNTHETIC RESINS  
 . . ADDITION RESINS  
 . . **VINYL COPOLYMERS**  
 VINYL POLYMERS  
 . **VINYL COPOLYMERS**  
 RT ADDITIVES  
 COPOLYMERIZATION  
 ∞POLYMERS

**VINYL CYANIDE**

USE ACRYLONITRILES

**VINYL ETHYLENE**

USE BUTADIENE

**VINYL POLYMERS**

GS **VINYL POLYMERS**  
 . POLYVINYL FLUORIDE  
 . . VINYL COPOLYMERS  
 RT ∞POLYMERS  
 POLYVINYL ALCOHOL  
 POLYVINYL CHLORIDE



## VINYL RADICAL

### VINYL RADICAL

- GS RADICALS
- . VINYL RADICAL
- RT FREE RADICALS

### VINYLDENE

- GS ORGANIC COMPOUNDS
- . HYDROCARBONS
- . . ALIPHATIC HYDROCARBONS
- . . . ALKENES
- . . . . ETHYLENE
- . . . . . VINYLDENE

### VIOLENCE

- GS VIOLENCE
- . ATTACKING (ASSAULTING)
- RT CRIME
- . DISORDERS
- . POLICE
- . WARFARE

### VIRAL DISEASES

- SN (EXCLUDES PLANT DISEASES)
- GS DISEASES
- . INFECTIOUS DISEASES
- . . VIRAL DISEASES
- . . . INFLUENZA
- . . . POLIOMYELITIS
- . . . SMALLPOX
- RT ENCEPHALITIS
- . HEPATITIS
- . MENINGITIS
- . PNEUMONIA
- . VIRUSES

### VIRGIN ISLANDS

- GS LANDFORMS
- . ISLANDS
- . . WEST INDIES
- . . . VIRGIN ISLANDS
- RT ARCHIPELAGOES
- . CARIBBEAN REGION
- . CARIBBEAN SEA
- . TROPICAL REGIONS
- . UNITED STATES

### VIRGINIA

- GS NATIONS
- . UNITED STATES
- . . VIRGINIA
- RT ALLEGHENY PLATEAU (US)
- . ASSATEAGUE ISLAND (MD-VA)
- . CHESAPEAKE BAY (US)
- . DELMARVA PENINSULA (DE-MD-VA)
- . POTOMAC RIVER VALLEY (MD-VA-WV)
- . SHENANDOAH VALLEY (VA)
- . WALLOPS ISLAND

### VIRGO GALACTIC CLUSTER

- UF VIRGO STAR CLUSTER
- GS CELESTIAL BODIES
- . GALAXIES
- . . GALACTIC CLUSTERS
- . . . VIRGO GALACTIC CLUSTER
- RT AGGLOMERATION
- . BARRED GALAXIES
- . . CLUSTERS
- . . . DISK GALAXIES
- . . . ELLIPTICAL GALAXIES
- . . . LOCAL GROUP (ASTRONOMY)
- . . . SPIRAL GALAXIES
- . . . STAR CLUSTERS
- . . . STAR DISTRIBUTION
- . . . STARS

### VIRGO STAR CLUSTER

- USE VIRGO GALACTIC CLUSTER

### VIRIAL COEFFICIENTS

- GS COEFFICIENTS
- . VIRIAL COEFFICIENTS
- RT EQUATIONS OF STATE
- . INTERMOLECULAR FORCES
- . VIRIAL THEOREM

### VIRIAL THEOREM

- GS THEOREMS
- . VIRIAL THEOREM
- RT KINETIC ENERGY
- . KINETIC EQUATIONS
- . . MECHANICS (PHYSICS)
- . . . MISSING MASS (ASTROPHYSICS)
- . . . VIRIAL COEFFICIENTS

### VIRTUAL MEMORY SYSTEMS

- RT COMPUTER SYSTEMS DESIGN
- . DATA MANAGEMENT
- . DATA STORAGE
- . MAGNETIC STORAGE

### VIRTUAL PROPERTIES

- RT ACCURACY
- . . PHYSICAL PROPERTIES
- . . . PROPERTIES

### VIRULENCE

- RT MICROORGANISMS
- . TOXICITY
- . VIRUSES

### VIRUSES

- GS MICROORGANISMS
- . VIRUSES
- . . ADENOVIRUSES
- . . BACTERIOPHAGES
- RT . BLISTERS
- . INTERFERON
- . PROTOBIOLOGY
- . VIRAL DISEASES
- . VIRULENCE

### VISCERA

- SN (FOR SPECIFIC ORGANS SEE ANATOMY)
- GS ORGANS
- . VISCERA
- RT ABDOMEN
- . ANATOMY
- . PERITONEUM
- . THORAX

### VISCOELASTIC CYLINDERS

- RT . CYLINDERS
- . CYLINDRICAL BODIES
- . CYLINDRICAL SHELLS

### VISCOELASTIC DAMPING

- GS DAMPING
- . ELASTIC DAMPING
- . . VISCOELASTIC DAMPING
- . . . VISCOUS DAMPING
- . . . VISCOELASTIC DAMPING
- . ELASTODYNAMICS
- . . ELASTIC DAMPING
- . . . VISCOELASTIC DAMPING

### VISCOELASTIC FLOW

- USE VISCOELASTICITY

### VISCOELASTICITY

- UF VISCOELASTIC FLOW
- GS MECHANICAL PROPERTIES
- . ELASTIC PROPERTIES
- . . VISCOELASTICITY
- . . . PHOTOVISCOELASTICITY
- . . . THERMOVISCOELASTICITY
- RT HYDROELASTICITY
- . HYSTERESIS
- . MAXWELL FLUIDS
- . NONNEWTONIAN FLOW
- . NONNEWTONIAN FLUIDS
- . PLASTIC FLOW
- . RELAXATION (MECHANICS)
- . SQUEEZE FILMS
- . VISCOPLASTICITY
- . VISCOUS DAMPING

### VISCOMETERS

- GS MEASURING INSTRUMENTS
- . VISCOMETERS
- RT ROTATING CYLINDERS
- . VISCOMETRY
- . VISCOSITY

### VISCOMETRY

- RT ROTATING CYLINDERS
- . VISCOMETERS
- . VISCOSITY
- . VISCOUS DRAG
- . VISCOUS FLOW

### VISCOPLASTIC FLOW

- USE VISCOPLASTICITY

### VISCOPLASTICITY

- UF VISCOPLASTIC FLOW
- GS MECHANICAL PROPERTIES
- . PLASTIC PROPERTIES
- . . VISCOPLASTICITY

### VISCOPLASTICITY-(CONT.)

- RT HYSTERESIS
- . NONNEWTONIAN FLOW
- . NONNEWTONIAN FLUIDS
- . PLASTIC ANISOTROPY
- . PLASTIC FLOW
- . RELAXATION (MECHANICS)
- . VISCOELASTICITY
- . VISCOUS DAMPING

### VISCOPUMPS

- GS PUMPS
- . VISCOPUMPS
- RT VISCOUS FLOW

### VISCOSITY

- GS TRANSPORT PROPERTIES
- . VISCOSITY
- . . EDDY VISCOSITY
- . . GAS VISCOSITY
- RT DENSITY (MASS/VOLUME)
- . FLOW CHARACTERISTICS
- . FLOW RESISTANCE
- . INTERNAL FRICTION
- . LOW REYNOLDS NUMBER
- . . MOTION
- . . . PHYSICAL PROPERTIES
- . . . RHEOLOGY
- . . . SIMILITUDE LAW
- . . . SOLUBILITY
- . . . STOKES LAW (FLUID MECHANICS)
- . . . SUPERFLUIDITY
- . . . SURFACE PROPERTIES
- . . . THERMAL DIFFUSION
- . . . THERMAL DIFFUSIVITY
- . . . THIXOTROPY
- . . . VISCOMETERS
- . . . VISCOMETRY
- . . . VISCOUS FLOW

### VISCOUNT AIRCRAFT

- GS BAC AIRCRAFT
- . VISCOUNT AIRCRAFT
- . . JET AIRCRAFT
- . . . TURBOPROP AIRCRAFT
- . . . VISCOUNT AIRCRAFT
- . . . MONOPLANES
- . . . VISCOUNT AIRCRAFT
- . . . PASSENGER AIRCRAFT
- . . . VISCOUNT AIRCRAFT
- . . . TRANSPORT AIRCRAFT
- . . . VISCOUNT AIRCRAFT
- RT . AIRCRAFT

### VISCOUS DAMPING

- GS DAMPING
- . VISCOUS DAMPING
- . . VISCOELASTIC DAMPING
- RT ELASTIC DAMPING
- . RESONANCE TESTING
- . VISCOELASTICITY
- . VISCOPLASTICITY

### VISCOUS DRAG

- GS DYNAMIC CHARACTERISTICS
- . DRAG
- . . FRICTION DRAG
- . . . VISCOUS DRAG
- . . . FRICTION
- . . . FLOW RESISTANCE
- . . . FRICTION DRAG
- . . . VISCOUS DRAG
- . . . SKIN FRICTION
- . . . FRICTION DRAG
- . . . VISCOUS DRAG
- RT EDDY VISCOSITY
- . HARTMANN NUMBER
- . LAMINAR FLOW
- . TURBULENT FLOW
- . VISCOMETRY

### VISCOUS FLOW

- GS FLUID FLOW
- . VISCOUS FLOW
- . . BOUNDARY LAYER FLOW
- . . . REATTACHED FLOW
- . . . SECONDARY FLOW
- . . . SEPARATED FLOW
- . . . . BOUNDARY LAYER SEPARATION
- . . . COUETTE FLOW
- . . . KARMAN-BODEWADT FLOW
- . . . STOKES FLOW
- RT AERODYNAMICS
- . BAROTROPIC FLOW
- . EDDY VISCOSITY

## VISUAL TASKS

### VISCOUS FLOW-(CONT.)

∞ FLOW  
 FLOW CHARACTERISTICS  
 GAS FLOW  
 INVISCID FLOW  
 KNUDSEN FLOW  
 LAMINAR FLOW  
 MAGNETOHYDRODYNAMIC SHEAR  
 HEATING  
 MAXWELL FLUIDS  
 MILNE-THOMSON METHOD  
 NAVIER-STOKES EQUATION  
 POHLHAUSEN METHOD  
 PRANDTL NUMBER  
 REYNOLDS NUMBER  
 TURBULENT FLOW  
 VISCOMETRY  
 VISCOPUMPS  
 VISCOSITY  
 WEDGE FLOW

### VISCOUS FLUIDS

RT FLOW STABILITY  
 ∞ FLUIDS  
 MAXWELL FLUIDS  
 NAVIER-STOKES EQUATION  
 NEWTONIAN FLUIDS  
 NONNEWTONIAN FLUIDS  
 OSEEN APPROXIMATION  
 SEMISOLIDS  
 SQUEEZE FILMS  
 WEIGHTLESS FLUIDS

### VISIBILITY

UF INVISIBILITY  
 GS **VISIBILITY**  
 . LOW VISIBILITY  
 RT **APPEARANCE**  
 BRIGHTNESS  
 CEILINGS (METEOROLOGY)  
 CHARACTER RECOGNITION  
 COLOR  
 CONTRAST  
 DARKENING  
 FOG  
 GLARE  
 HAZE  
 HUMAN FACTORS ENGINEERING  
 ILLUMINANCE  
 IMAGE CONTRAST  
 LEGIBILITY  
 LIGHT (VISIBLE RADIATION)  
 LIGHT TRANSMISSION  
 LUMINESCENCE  
 LUMINOSITY  
 NIGHT FLIGHTS (AIRCRAFT)  
 OPACITY  
 OPTICAL PROPERTIES  
 PERCEPTION  
 RADIANCE  
 READING  
 RESOLUTION  
 RETINAL ADAPTATION  
 SENSITIVITY  
 SMOKE  
 SYMBOLS  
 TRANSMISSIVITY  
 VIEWING  
 VISION  
 VISUAL CONTROL  
 WHITEOUT

### VISIBLE INFRARED SPIN SCAN RADIOMETER

RT ATMOSPHERIC SOUNDING  
 INFRARED RADIOMETERS  
 SATELLITE SOUNDING  
 SATELLITE-BORNE INSTRUMENTS

### VISIBLE RADIATION

USE LIGHT (VISIBLE RADIATION)

### VISIBLE SPECTRUM

GS SPECTRA  
 . RADIATION SPECTRA  
 . . ELECTROMAGNETIC SPECTRA  
 . . . **VISIBLE SPECTRUM**  
 RT ∞ ABSORPTION  
 ABSORPTION SPECTRA  
 ASTRONOMICAL SPECTROSCOPY  
 AURORAL SPECTROSCOPY  
 CATHODOLUMINESCENCE  
 EMISSION SPECTRA  
 GAS SPECTROSCOPY  
 LIGHT (VISIBLE RADIATION)  
 LINE SPECTRA

### VISIBLE SPECTRUM-(CONT.)

MOLECULAR SPECTRA  
 SOLAR SPECTRA  
 SPECTRAL BANDS  
 SPECTROSCOPY  
 STELLAR SPECTRA

### VISION

UF **MACULAR VISION**  
 GS **VISION**  
 . BINOCULAR VISION  
 . COLOR VISION  
 . MONOCULAR VISION  
 . NIGHT VISION  
 . PERIPHERAL VISION  
 . STEREOSCOPIC VISION  
 RT ADAPTATION  
 ANASTIGMATISM  
 BLINDNESS  
 BRIGHTNESS  
 CHOROID MEMBRANES  
 COLOR  
 CONJUNCTIVA  
 CONTRAST  
 CORNEA  
 DARK ADAPTATION  
 EYE (ANATOMY)  
 EYE DOMINANCE  
 FLASH BLINDNESS  
 GLARE  
 HETEROPIORIA  
 HUMAN FACTORS ENGINEERING  
 HYPEROPIA  
 ILLUSIONS  
 IMAGES  
 LEGIBILITY  
 LIGHT ADAPTATION  
 MIOSIS  
 MYOPIA  
 OCULOMOTOR NERVES  
 OPHTHALMODYNAMOMETRY  
 OPTOMETRY  
 PERCEPTION  
 PHOSPHENE  
 PRESBYOPIA  
 PUPILS  
 RESOLUTION  
 RETINA  
 RETINAL ADAPTATION  
 THRESHOLDS (PERCEPTION)  
 VIEWING  
 VISIBILITY  
 VISUAL ACUITY

### VISORS

RT EYE PROTECTION  
 RADIATION PROTECTION  
 SUNGLASSES

### VISUAL ACCOMMODATION

RT ACCOMMODATION

### VISUAL ACUITY

GS ACUITY  
 . **VISUAL ACUITY**  
 . . HYPEROPIA  
 RT PERIPHERAL VISION  
 SNELLEN TESTS  
 VISION

### VISUAL AIDS

UF AUDIO VISUAL EQUIPMENT  
 RT ∞ AIDS  
 CHARTS  
 DIAGRAMS  
 DISPLAY DEVICES  
 DRAWINGS  
 PHOTOGRAPHS  
 TRAINING DEVICES

### VISUAL CONTROL

GS MANUAL CONTROL  
 . **VISUAL CONTROL**  
 RT AIRCRAFT CONTROL  
 APPROACH CONTROL  
 ATTITUDE CONTROL  
 ∞ CONTROL  
 DISPLAY DEVICES  
 GUIDANCE (MOTION)  
 MISSILE CONTROL  
 REMOTE CONTROL  
 RUNWAY LIGHTS  
 SERVOCONTROL  
 SPACECRAFT CONTROL  
 VISIBILITY

### VISUAL DISCRIMINATION

GS DISCRIMINATION  
 . SENSORY DISCRIMINATION  
 . . **VISUAL DISCRIMINATION**  
 PERCEPTION  
 . SENSORY PERCEPTION  
 . . VISUAL PERCEPTION  
 . . . **VISUAL DISCRIMINATION**  
 RT ∞ RECOVERY

### VISUAL DISPLAYS

USE DISPLAY DEVICES

### VISUAL FIELDS

RT FIELD OF VIEW  
 ∞ FIELDS  
 PERIPHERAL VISION  
 RETINA  
 SACCADIC EYE MOVEMENTS  
 SPACE PERCEPTION

### VISUAL FLIGHT

RT AIR NAVIGATION  
 COLLISION AVOIDANCE  
 ∞ FLIGHT  
 FLIGHT CONDITIONS  
 FLIGHT PATHS  
 FLIGHT SAFETY  
 LANDING  
 WHITEOUT

### VISUAL FLIGHT RULES

UF VFR (RULES)  
 GS RULES  
 . FLIGHT RULES  
 . . **VISUAL FLIGHT RULES**

### VISUAL OBSERVATION

GS OBSERVATION  
 . **VISUAL OBSERVATION**  
 RT COMPANION STARS  
 SPACE OBSERVATIONS (FROM EARTH)

### VISUAL PERCEPTION

UF SIGHT  
 GS PERCEPTION  
 . SENSORY PERCEPTION  
 . . **VISUAL PERCEPTION**  
 . . . CRITICAL FLICKER FUSION  
 . . . SPACE PERCEPTION  
 . . . . AUTOKINESIS  
 . . . . VISUAL DISCRIMINATION  
 RT AFTERIMAGES  
 BLINKING  
 BRIGHTNESS DISCRIMINATION  
 ELEVATOR ILLUSION  
 MOTION PERCEPTION  
 ∞ ORIENTATION  
 PERCEPTUAL ERRORS  
 ∞ SPACE ORIENTATION  
 TACHISTOSCOPIES  
 THRESHOLDS (PERCEPTION)  
 VISUAL TASKS

### VISUAL PHOTOMETRY

GS OPTICAL MEASUREMENT  
 . PHOTOMETRY  
 . . **VISUAL PHOTOMETRY**

### VISUAL PIGMENTS

GS PIGMENTS  
 . **VISUAL PIGMENTS**  
 RT DARK ADAPTATION  
 PHOTORECEPTORS  
 PHOTOSENSITIVITY  
 RETINA

### VISUAL SIGNALS

RT BEACONS  
 CUES  
 LUMINAIRES  
 OPTICAL COMMUNICATION  
 ∞ SIGNALS

### VISUAL STIMULI

RT PERCEPTUAL ERRORS  
 ∞ SIGNALS  
 ∞ STIMULI  
 VISUAL TASKS

### VISUAL TASKS

GS TASKS  
 . **VISUAL TASKS**  
 RT EYE MOVEMENTS

## VISUAL TRACKING

### VISUAL TASKS-(CONT.)

HUMAN PERFORMANCE  
VISUAL PERCEPTION  
VISUAL STIMULI

### VISUAL TRACKING

USE OPTICAL TRACKING

### VISUALIZATION OF FLOW

USE FLOW VISUALIZATION

### VITAMIN A

USE RETINENE

### VITAMIN B

USE THIAMINE

### VITAMIN B COMPLEX

USE BIOTIN

### VITAMIN B 2

USE RIBOFLAVIN

### VITAMIN B 6

USE PYRIDOXINE

### VITAMIN B 12

USE CYANOCOBALAMIN

### VITAMIN C

USE ASCORBIC ACID

### VITAMIN D

USE CALCIFEROL

### VITAMIN E

USE TOCOPHEROL

### VITAMIN G

USE RIBOFLAVIN

### VITAMIN K

USE PHYLLIOQUINONE

### VITAMIN M

USE FOLIC ACID

### VITAMIN P

USE BIOFLAVONOIDS

### VITAMINS

GS VITAMINS  
ASCORBIC ACID  
BIOFLAVONOIDS  
BIOTIN  
CALCIFEROL  
CARNITINE  
CYANOCOBALAMIN  
FOLIC ACID  
NICOTINAMIDE  
NICOTINIC ACID  
PHYLLIOQUINONE  
PYRIDOXINE  
RETINENE  
RIBOFLAVIN  
THIAMINE  
TOCOPHEROL  
RT ASCORBIC ACID METABOLISM  
CHOLINE  
DRUGS  
∞ FOOD  
∞ NUTRIENTS

### VITERBI DECODERS

GS DECODERS  
VITERBI DECODERS  
RT CODING  
DECODING  
SIGNAL ENCODING  
SIGNAL PROCESSING

### VITON RUBBER (TRADEMARK)

GS COPOLYMERS  
VITON RUBBER (TRADEMARK)  
RUBBER  
SYNTHETIC RUBBERS  
ELASTOMERS  
VITON RUBBER (TRADEMARK)  
RT FLUOROHYDROCARBONS

### VITREOUS MATERIALS

RT FRIT  
GLASS

### VITREOUS MATERIALS-(CONT.)

∞ INORGANIC MATERIALS  
∞ MATERIALS  
METALLIC GLASSES  
PORCELAIN  
VITRIFICATION

### VITRIFICATION

RT CERAMICS  
GLASS  
PORCELAIN  
SOLIDIFICATION  
VITREOUS MATERIALS

### VJ-101 AIRCRAFT

UF SUD VJ-101 AIRCRAFT  
GS ATTACK AIRCRAFT  
FIGHTER AIRCRAFT  
VJ-101 AIRCRAFT  
JET AIRCRAFT  
VJ-101 AIRCRAFT  
MONOPLANES  
VJ-101 AIRCRAFT  
SINGLE ENGINE AIRCRAFT  
VJ-101 AIRCRAFT  
SUD AVIATION AIRCRAFT  
VJ-101 AIRCRAFT  
SUPERSONIC AIRCRAFT  
VJ-101 AIRCRAFT  
V/STOL AIRCRAFT  
VERTICAL TAKEOFF AIRCRAFT  
VJ-101 AIRCRAFT  
RT ∞ AIRCRAFT

### VLASOV EQUATIONS

GS ANALYSIS (MATHEMATICS)  
REAL VARIABLES  
DIFFERENTIAL EQUATIONS  
PARTIAL DIFFERENTIAL EQUATIONS  
VLASOV EQUATIONS  
RT ∞ EQUATIONS  
STABILITY

### VLBI

USE VERY LONG BASE INTERFEROMETRY

### VLF EMISSION RECORDERS

RT ATMOSPHERIC RADIATION  
ATMOSPHERICS  
COSMIC RAYS  
ELECTROMAGNETIC RADIATION  
PLANETARY RADIATION  
∞ RECORDERS  
RECORDING INSTRUMENTS

### VLSI

USE VERY LARGE SCALE INTEGRATION

### VOCAL CORDS

GS ANATOMY  
RESPIRATORY SYSTEM  
LARYNX  
VOCAL CORDS  
RT GLOTTIS

### VOCODERS

RT BANDPASS FILTERS  
COMPUTERS  
DIGITAL TO VOICE TRANSLATORS  
FREQUENCY MODULATION  
MESSAGES  
RADIO COMMUNICATION  
SCRAMBLING (COMMUNICATION)  
SIGNAL RECEPTION  
SPEECH BASEBAND COMPRESSION  
VOICE COMMUNICATION  
VOICE DATA PROCESSING

### VOICE

GS SOUND PROPAGATION  
VOICE  
RT AUDIO FREQUENCIES  
SPEECH  
TONGUE

### VOICE COMMUNICATION

GS TELECOMMUNICATION  
VOICE COMMUNICATION  
TELEPHONY  
RT ACOUSTICS  
CONVERSATION  
ECHO SUPPRESSORS  
GROUND-AIR-GROUND COMMUNICATION  
RADIO COMMUNICATION

### VOICE COMMUNICATION-(CONT.)

RADIOTELEPHONES  
REENTRY COMMUNICATION  
SCRAMBLING (COMMUNICATION)  
SINGLE CHANNEL PER CARRIER  
TRANSMISSION  
SINGLE SIDEBAND TRANSMISSION  
SPEECH  
SPEECH BASEBAND COMPRESSION  
VERBAL COMMUNICATION  
VOCODERS  
VOICE CONTROL  
VOICE DATA PROCESSING  
WIRELESS COMMUNICATION  
WORDS (LANGUAGE)

### VOICE CONTROL

SN (DEVICE OPERATION BY VOICE)  
RT BIOENGINEERING  
∞ CONTROL  
ROBOTICS  
ROBOTS  
SPEECH RECOGNITION  
VOICE COMMUNICATION  
VOICE DATA PROCESSING

### VOICE DATA PROCESSING

GS DATA PROCESSING  
VOICE DATA PROCESSING  
CEPSTRAL ANALYSIS  
RT ARTIFICIAL INTELLIGENCE  
∞ DATA  
DIGITAL TO VOICE TRANSLATORS  
SIGNAL ENCODING  
SINGLE CHANNEL PER CARRIER  
TRANSMISSION  
VERBAL COMMUNICATION  
VOCODERS  
VOICE COMMUNICATION  
VOICE CONTROL

### VOICE OF AMERICA

RT BROADCASTING  
RADIO TRANSMISSION

### VOID RATIO

UF COMPACTNESS  
GS RATIOS  
VOID RATIO  
RT ∞ CONDUCTIVITY  
DENSITY (MASS/VOLUME)  
FREE FLOW  
HOLE DISTRIBUTION (MECHANICS)  
PACKING DENSITY  
PERMEABILITY  
POROSITY  
REACTOR CORES  
SURFACE PROPERTIES  
VOIDS

### VOIDS

RT BUOYANCY  
CAVITIES  
CRACK GEOMETRY  
DEFECTS  
INCLUSIONS  
INFILTRATION  
INTERSTICES  
PERCOLATION  
PERMEABILITY  
POROSITY  
VOID RATIO

### VOIGT EFFECT

RT BIREFRINGENCE  
∞ EFFECTS  
OPTICAL PATHS  
REFRACTION  
ZEEMAN EFFECT

### VOLATILITY

GS THERMODYNAMIC PROPERTIES  
THERMOPHYSICAL PROPERTIES  
VOLATILITY  
RT COAL GASIFICATION  
EVAPORATION  
FLASH POINT  
PREVAPORIZATION  
VAPOR PHASES  
VAPOR PRESSURE  
VAPORIZING

### VOLATILIZATION

USE VAPORIZING

## VORTEX FLAPS

### VOLCANICS

USE VOLCANOLOGY

### VOLCANOES

UF ACTIVE VOLCANOES  
GS GEOLOGY  
    . VOLCANOES  
        . . MARS VOLCANOES  
        LANDFORMS  
        . VOLCANOES  
        . . MARS VOLCANOES  
RT BASALT  
    CALDERAS  
    CONES (VOLCANOES)  
    EFFUSIVES  
    GEOMORPHOLOGY  
    GEOTHERMAL RESOURCES  
    LAVA  
    MOUNTAINS  
    OROGRAPHY  
    PALEOMAGNETISM  
    PETROLOGY  
    ROUSE BELTS  
    VOLCANOLOGY

### VOLCANOLOGY

UF VOLCANICS  
GS GEOLOGY  
    . VOLCANOLOGY  
RT BASALT  
    CALDERAS  
    CONES (VOLCANOES)  
    EFFUSIVES  
    GEOMORPHOLOGY  
    LAVA  
    MARS VOLCANOES  
    MOUNTAINS  
    OROGRAPHY  
    PALEOMAGNETISM  
    PETROLOGY  
    ROUSE BELTS  
    VOLCANOES

### VOLT-AMPERE CHARACTERISTICS

RT CAPACITANCE-VOLTAGE  
    CHARACTERISTICS  
    . CHARACTERISTICS  
    ELECTRIC CURRENT  
    ELECTRIC POTENTIAL  
    . ELECTRONICS  
    LINEAR CIRCUITS  
    OHMS LAW  
    OPEN CIRCUIT VOLTAGE  
    OPTOGALVANIC SPECTROSCOPY  
    PROXIMITY EFFECT (ELECTRICITY)  
    QUANTUM EFFICIENCY  
    SHORT CIRCUIT CURRENTS  
    THRESHOLD VOLTAGE  
    TRANSCONDUCTANCE  
    VOLTAGE AMPLIFIERS

### VOLTAGE

USE ELECTRIC POTENTIAL

### VOLTAGE AMPLIFIERS

GS AMPLIFIERS  
    . VOLTAGE AMPLIFIERS  
RT CURRENT AMPLIFIERS  
    FEEDBACK AMPLIFIERS  
    MAGNETIC AMPLIFIERS  
    PREAMPLIFIERS  
    VOLT-AMPERE CHARACTERISTICS

### VOLTAGE BREAKDOWN

USE ELECTRICAL FAULTS

### VOLTAGE CONTROLLED OSCILLATORS

UF VCO  
GS OSCILLATORS  
    . VOLTAGE CONTROLLED  
        OSCILLATORS  
RT CIRCUITS  
    ELECTRIC CONTROL  
    ELECTRIC NETWORKS  
    FREQUENCY MODULATION  
    FREQUENCY STABILITY  
    MICROWAVE OSCILLATORS  
    VOLTAGE REGULATORS

### VOLTAGE CONVERTERS (AC TO AC)

GS TRANSFORMERS  
    . VOLTAGE CONVERTERS (AC TO AC)  
RT ALTERNATING CURRENT  
    AUXILIARY POWER SOURCES  
    . CONVERTERS

### VOLTAGE CONVERTERS (AC TO AC)-(CONT.)

. ELECTRIC EQUIPMENT  
    . ELECTRIC POWER  
    . POWER SUPPLIES

### VOLTAGE CONVERTERS (DC TO DC)

RT AUXILIARY POWER SOURCES  
    . CONVERTERS  
        DIRECT CURRENT  
        ELECTRIC BATTERIES  
    . ELECTRIC EQUIPMENT  
    . ELECTRIC POWER  
    . POWER SUPPLIES  
        POWER SUPPLY CIRCUITS

### VOLTAGE GENERATORS

RT ARC GENERATORS  
    ELECTROSTATIC GENERATORS  
    FUNCTION GENERATORS  
    . GENERATORS  
    SIGNAL GENERATORS

### VOLTAGE MEASUREMENT

USE ELECTRICAL MEASUREMENT

### VOLTAGE REGULATORS

GS REGULATORS  
    . VOLTAGE REGULATORS  
RT AVALANCHE DIODES  
    CIRCUIT PROTECTION  
    CONTROLLERS  
    CURRENT REGULATORS  
    ELECTRIC SWITCHES  
    ELECTRONIC CONTROL  
    POWER FACTOR CONTROLLERS  
    POWER SUPPLY CIRCUITS  
    SWITCHING CIRCUITS  
    TRANSFORMERS  
    TRANSMISSION LOSS  
    VOLTAGE CONTROLLED OSCILLATORS

### VOLTAGE VARIATION INDICATORS

USE VOLTMETERS

### VOLTERRA EQUATIONS

GS ANALYSIS (MATHEMATICS)  
    . FUNCTIONAL ANALYSIS  
    . . INTEGRAL EQUATIONS  
    . . . VOLTERRA EQUATIONS  
RT . EQUATIONS  
    NONLINEARITY  
    . RADIATION

### VOLTMETERS

UF VOLTAGE VARIATION INDICATORS  
GS MEASURING INSTRUMENTS  
    . VOLTMETERS  
    . . MILLIVOLTMETERS  
RT AMMETERS  
    COULOMETERS  
    ELECTROMETERS  
    POTENTIOMETERS (INSTRUMENTS)

### VOLUME

GS VOLUME  
    . BODY VOLUME (BIOLOGY)  
RT AREA  
    . CAPACITY  
    DIMENSIONS  
    FRUSTUMS  
    GEOMETRY  
    ISOTHERM PROCESSES  
    RATES (PER TIME)  
    THICKNESS  
    VOLUMETRIC ANALYSIS  
    WEIGHT (MASS)

### VOLUMETRIC ANALYSIS

GS CHEMICAL TESTS  
    . CHEMICAL ANALYSIS  
    . . VOLUMETRIC ANALYSIS  
RT ANALYTICAL CHEMISTRY  
    GAS ANALYSIS  
    QUANTITATIVE ANALYSIS  
    VOLUME

### VOLUMETRIC EFFICIENCY

RT ENERGY CONVERSION EFFICIENCY  
    ENGINE DESIGN  
    FUEL-AIR RATIO  
    LASER OUTPUTS

### VOLUMETRIC STRAIN

GS FATIGUE (MATERIALS)

### VOLUMETRIC STRAIN-(CONT.)

. VOLUMETRIC STRAIN  
RT DEFORMATION  
    STRUCTURAL STRAIN  
    TEMPERATURE INVERSIONS

### VOMITING

RT MOTION SICKNESS  
    NAUSEA

### VON KARMAN EQUATION

GS FLOW EQUATIONS  
    . VON KARMAN EQUATION  
RT . EQUATIONS  
    FLOW STABILITY  
    KARMAN VORTEX STREET  
    VORTEX BREAKDOWN  
    VORTEX STREETS  
    VORTICITY EQUATIONS

### VON MISES THEORY

USE STRESS FUNCTIONS

### VON ZEIPPEL METHOD

RT EQUATIONS OF MOTION  
    HAMILTONIAN FUNCTIONS  
    . METHODOLOGY  
    PERTURBATION THEORY

### VOODOO AIRCRAFT

USE F-101 AIRCRAFT

### VOR SYSTEMS

USE VHF OMNIRANGE NAVIGATION

### VORTEX ADVISORY SYSTEM

RT AIR TRAFFIC CONTROL  
    AIRCRAFT APPROACH SPACING  
    AIRCRAFT WAKES  
    . SYSTEMS  
    TURBULENT WAKES  
    VORTEX ALLEVIATION

### VORTEX ALLEVIATION

RT AIRCRAFT WAKES  
    DRAG DEVICES  
    GUST ALLEVIATORS  
    PROTUBERANCES  
    SPOILERS  
    VORTEX ADVISORY SYSTEM  
    VORTICES  
    WAKES  
    WINGLETS

### VORTEX AVOIDANCE

GS AVOIDANCE  
    . VORTEX AVOIDANCE  
RT AERODYNAMIC STABILITY  
    AIR TRAFFIC CONTROL  
    AIRCRAFT APPROACH SPACING  
    AIRCRAFT LANDING  
    BUFFETING  
    GUSTS  
    ROTATION  
    SAFETY  
    TURBULENT FLOW  
    VORTICES  
    WINGLETS

### VORTEX BREAKDOWN

RT FLOW STABILITY  
    TURBULENT FLOW  
    VON KARMAN EQUATION  
    VORTEX FLAPS

### VORTEX COLUMNS

USE VORTICES

### VORTEX DISTURBANCES

USE VORTICES

### VORTEX FILAMENTS

RT . FILAMENTS  
    FLOW STABILITY  
    FLUID DYNAMICS  
    TURBULENCE  
    VORTICES

### VORTEX FLAPS

GS AIRFOILS  
    . FLAPS (CONTROL SURFACES)  
    . . WING FLAPS  
    . . . VORTEX FLAPS  
    BRAKES (FOR ARRESTING MOTION)

## VORTEX FLOW

### VORTEX FLAPS-(CONT.)

- . AERODYNAMIC BRAKES
- . . . WING FLAPS
- . . . . **VORTEX FLAPS**
- CONTROL SURFACES
- . FLAPS (CONTROL SURFACES)
- . . WING FLAPS
- . . . **VORTEX FLAPS**
- DRAG DEVICES
- . AERODYNAMIC BRAKES
- . . WING FLAPS
- . . . **VORTEX FLAPS**
- RT AERODYNAMIC DRAG
- JET FLAPS
- LEADING EDGE FLAPS
- LEADING EDGES
- LIFT AUGMENTATION
- SEPARATED FLOW
- TRAILING EDGE FLAPS
- TRAILING EDGES
- VORTEX BREAKDOWN
- VORTICES
- WING LOADING

**VORTEX FLOW**  
USE VORTICES

**VORTEX GENERATION**  
USE VORTEX GENERATORS

**VORTEX GENERATORS**  
UF VORTEX GENERATION  
RT AIRFOIL FENCES  
BOUNDARY LAYER CONTROL  
BOUNDARY LAYER SEPARATION  
∞ GENERATORS  
HILSCH TUBES  
INLET FLOW  
VORTICES  
WING SLOTS

**VORTEX INJECTORS**  
GS INJECTORS  
. **VORTEX INJECTORS**

**VORTEX PRECESSION**  
RT FLOW VELOCITY  
FLOWMETERS  
PRECESSION  
VELOCITY MEASUREMENT  
VORTICES

**VORTEX RINGS**  
RT ∞ RINGS  
TRAPPED VORTEXES  
VORTICES

**VORTEX SHEDDING**  
GS FLUID MECHANICS  
. FLUID DYNAMICS  
. **VORTEX SHEDDING**  
RT SHEDDING  
VORTICES

**VORTEX SHEETS**  
RT AIRCRAFT DESIGN  
FLOW DISTRIBUTION  
ROTATING FLUIDS  
∞ SHEETS  
TURBULENT WAKES  
VORTICES  
VORTICITY

**VORTEX STREETS**  
GS **VORTEX STREETS**  
. KARMAN VORTEX STREET  
RT DISCONTINUITY  
∞ SHEETS  
TURBULENT WAKES  
VON KARMAN EQUATION  
VORTICES

**VORTEX TRAPS**  
USE TRAPPED VORTEXES

**VORTEX TUBES**  
USE HILSCH TUBES  
VORTICES

**VORTEX-BLADE INTERACTION**  
USE BLADE-VORTEX INTERACTION

### VORTICES

UF EDDIES  
ROTATIONAL FLOW  
VORTEX COLUMNS  
VORTEX DISTURBANCES  
VORTEX FLOW  
VORTEX TUBES  
GS **VORTICES**  
. TRAPPED VORTEXES  
. WING TIP VORTICES  
RT ABRIKOSOV THEORY  
AGITATION  
BLADE-VORTEX INTERACTION  
CAVITATION FLOW  
COUNTERFLOW  
∞ DISTURBANCES  
DIVERGENCE  
FLOW DISTORTION  
FLOW STABILITY  
FLUID FLOW  
GOERTLER INSTABILITY  
HILSCH TUBES  
KOLMOGOROFF THEORY  
METEOROLOGICAL SOLENOIDS  
MIXING  
PLANETARY WAVES  
RECIRCULATIVE FLUID FLOW  
ROTATING FLUIDS  
ROTATING LIQUIDS  
ROTATION  
SECONDARY FLOW  
STROUHAL NUMBER  
SUPERCONDUCTIVITY  
SUPERFLUIDITY  
THRUST DISTRIBUTION  
TURBULENCE  
TURBULENT FLOW  
TURBULENT MIXING  
VORTEX ALLEVIATION  
VORTEX AVOIDANCE  
VORTEX FILAMENTS  
VORTEX FLAPS  
VORTEX GENERATORS  
VORTEX PRECESSION  
VORTEX RINGS  
VORTEX SHEDDING  
VORTEX SHEETS  
VORTEX STREETS  
VORTICITY  
WAKES

### VORTICITY

UF ENSTROPY  
GS ALGEBRA  
. VECTOR SPACES  
. . VECTORS (MATHEMATICS)  
. . . **VORTICITY**  
ANALYSIS (MATHEMATICS)  
. CALCULUS  
. . VECTOR ANALYSIS  
. . . CURL (VECTORS)  
. . . . **VORTICITY**  
. . . . REAL VARIABLES  
. . . . VECTOR ANALYSIS  
. . . . CURL (VECTORS)  
. . . . **VORTICITY**  
GEOMETRY  
. VECTOR ANALYSIS  
. . CURL (VECTORS)  
. . . **VORTICITY**  
RT ATMOSPHERIC CIRCULATION  
BELTRAMI FLOW  
CROCCO METHOD  
FLOW STABILITY  
HELMHOLTZ VORTICITY EQUATION  
POTENTIAL FLOW  
SECONDARY FLOW  
TRAPPED VORTEXES  
TURBULENCE  
VORTEX SHEETS  
VORTICES

### VORTICITY EQUATIONS

GS ANALYSIS (MATHEMATICS)  
. REAL VARIABLES  
. . DIFFERENTIAL EQUATIONS  
. . . **VORTICITY EQUATIONS**  
. . . . HELMHOLTZ VORTICITY EQUATION  
FLOW EQUATIONS  
. **VORTICITY EQUATIONS**  
. . HELMHOLTZ VORTICITY EQUATION  
RT ∞ EQUATIONS  
KARMAN VORTEX STREET  
VON KARMAN EQUATION

### VORTICITY TRANSPORT HYPOTHESIS

GS HYPOTHESES  
. **VORTICITY TRANSPORT HYPOTHESIS**  
RT CONSERVATION EQUATIONS  
EDDY CURRENTS  
MIXING LENGTH FLOW THEORY  
TURBULENT FLOW

### VOSKHOD MANNED SPACECRAFT

GS MANNED SPACECRAFT  
. **VOSKHOD MANNED SPACECRAFT**  
. . VOSKHOD 1 SPACECRAFT  
. . VOSKHOD 2 SPACECRAFT  
REENTRY VEHICLES  
. RECOVERABLE SPACECRAFT  
. . **VOSKHOD MANNED SPACECRAFT**  
. . . VOSKHOD 1 SPACECRAFT  
. . . VOSKHOD 2 SPACECRAFT  
SOFT LANDING SPACECRAFT  
. **VOSKHOD MANNED SPACECRAFT**  
. . VOSKHOD 1 SPACECRAFT  
. . VOSKHOD 2 SPACECRAFT  
RT SPACE CAPSULES

### VOSKHOD 1 SPACECRAFT

GS MANNED SPACECRAFT  
. VOSKHOD MANNED SPACECRAFT  
. . **VOSKHOD 1 SPACECRAFT**  
REENTRY VEHICLES  
. RECOVERABLE SPACECRAFT  
. . VOSKHOD MANNED SPACECRAFT  
. . . **VOSKHOD 1 SPACECRAFT**  
SOFT LANDING SPACECRAFT  
. VOSKHOD MANNED SPACECRAFT  
. . **VOSKHOD 1 SPACECRAFT**

### VOSKHOD 2 SPACECRAFT

GS MANNED SPACECRAFT  
. VOSKHOD MANNED SPACECRAFT  
. . **VOSKHOD 2 SPACECRAFT**  
REENTRY VEHICLES  
. RECOVERABLE SPACECRAFT  
. . VOSKHOD MANNED SPACECRAFT  
. . . **VOSKHOD 2 SPACECRAFT**  
SOFT LANDING SPACECRAFT  
. VOSKHOD MANNED SPACECRAFT  
. . **VOSKHOD 2 SPACECRAFT**

### VOSTOK SPACECRAFT

GS MANNED SPACECRAFT  
. **VOSTOK SPACECRAFT**  
. . VOSTOK 1 SPACECRAFT  
. . VOSTOK 2 SPACECRAFT  
. . VOSTOK 3 SPACECRAFT  
. . VOSTOK 4 SPACECRAFT  
. . VOSTOK 5 SPACECRAFT  
. . VOSTOK 6 SPACECRAFT  
REENTRY VEHICLES  
. RECOVERABLE SPACECRAFT  
. . **VOSTOK SPACECRAFT**  
. . . VOSTOK 1 SPACECRAFT  
. . . VOSTOK 2 SPACECRAFT  
. . . VOSTOK 3 SPACECRAFT  
. . . VOSTOK 4 SPACECRAFT  
. . . VOSTOK 5 SPACECRAFT  
. . . VOSTOK 6 SPACECRAFT  
SOFT LANDING SPACECRAFT  
. **VOSTOK SPACECRAFT**  
. . VOSTOK 1 SPACECRAFT  
. . VOSTOK 2 SPACECRAFT  
. . VOSTOK 3 SPACECRAFT  
. . VOSTOK 4 SPACECRAFT  
. . VOSTOK 5 SPACECRAFT  
. . VOSTOK 6 SPACECRAFT  
RT SPACE CAPSULES

### VOSTOK 1 SPACECRAFT

GS MANNED SPACECRAFT  
. VOSTOK SPACECRAFT  
. . **VOSTOK 1 SPACECRAFT**  
REENTRY VEHICLES  
. RECOVERABLE SPACECRAFT  
. . VOSTOK SPACECRAFT  
. . . **VOSTOK 1 SPACECRAFT**  
SOFT LANDING SPACECRAFT  
. VOSTOK SPACECRAFT  
. . **VOSTOK 1 SPACECRAFT**

### VOSTOK 2 SPACECRAFT

GS MANNED SPACECRAFT  
. VOSTOK SPACECRAFT  
. . **VOSTOK 2 SPACECRAFT**  
REENTRY VEHICLES  
. RECOVERABLE SPACECRAFT  
. . VOSTOK SPACECRAFT

**VOSTOK 2 SPACECRAFT-(CONT.)**

GS . VOSTOK 2 SPACECRAFT  
 . SOFT LANDING SPACECRAFT  
 . VOSTOK SPACECRAFT  
 . VOSTOK 2 SPACECRAFT

**VOSTOK 3 SPACECRAFT**

GS MANNED SPACECRAFT  
 . VOSTOK SPACECRAFT  
 . VOSTOK 3 SPACECRAFT  
 REENTRY VEHICLES  
 . RECOVERABLE SPACECRAFT  
 . VOSTOK SPACECRAFT  
 . VOSTOK 3 SPACECRAFT  
 SOFT LANDING SPACECRAFT  
 . VOSTOK SPACECRAFT  
 . VOSTOK 3 SPACECRAFT

**VOSTOK 4 SPACECRAFT**

GS MANNED SPACECRAFT  
 . VOSTOK SPACECRAFT  
 . VOSTOK 4 SPACECRAFT  
 REENTRY VEHICLES  
 . RECOVERABLE SPACECRAFT  
 . VOSTOK SPACECRAFT  
 . VOSTOK 4 SPACECRAFT  
 SOFT LANDING SPACECRAFT  
 . VOSTOK SPACECRAFT  
 . VOSTOK 4 SPACECRAFT

**VOSTOK 5 SPACECRAFT**

GS MANNED SPACECRAFT  
 . VOSTOK SPACECRAFT  
 . VOSTOK 5 SPACECRAFT  
 REENTRY VEHICLES  
 . RECOVERABLE SPACECRAFT  
 . VOSTOK SPACECRAFT  
 . VOSTOK 5 SPACECRAFT  
 SOFT LANDING SPACECRAFT  
 . VOSTOK SPACECRAFT  
 . VOSTOK 5 SPACECRAFT

**VOSTOK 6 SPACECRAFT**

GS MANNED SPACECRAFT  
 . VOSTOK SPACECRAFT  
 . VOSTOK 6 SPACECRAFT  
 REENTRY VEHICLES  
 . RECOVERABLE SPACECRAFT  
 . VOSTOK SPACECRAFT  
 . VOSTOK 6 SPACECRAFT  
 SOFT LANDING SPACECRAFT  
 . VOSTOK SPACECRAFT  
 . VOSTOK 6 SPACECRAFT

**VOTING**

RT GOVERNMENTS  
 LAW (JURISPRUDENCE)  
 MINORITIES  
 POLITICS  
 SOVEREIGNTY

**VOWELS**

RT CONSONANTS (SPEECH)  
 GRAMMARS  
 LANGUAGES  
 WORDS (LANGUAGE)

**VOYAGER PROJECT**

GS PROGRAMS  
 . NASA PROGRAMS  
 . NASA SPACE PROGRAMS  
 . VOYAGER PROJECT  
 . PROJECTS  
 . VOYAGER PROJECT  
 . SPACE PROGRAMS  
 . NASA SPACE PROGRAMS  
 . VOYAGER PROJECT  
 RT MARS PROBES  
 SATURN PROJECT  
 SPACE PROBES  
 UNMANNED SPACECRAFT  
 VENUS PROBES

**VOYAGER 1 SPACECRAFT**

GS INTERPLANETARY SPACECRAFT  
 . VOYAGER 1 SPACECRAFT  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . VOYAGER 1 SPACECRAFT  
 RT FLYBY MISSIONS  
 GRAND TOURS  
 JUPITER (PLANET)  
 JUPITER PROBES  
 JUPITER RINGS  
 ∞ SPACECRAFT

**VOYAGER 2 SPACECRAFT**

GS INTERPLANETARY SPACECRAFT  
 . VOYAGER 2 SPACECRAFT  
 UNMANNED SPACECRAFT  
 . SPACE PROBES  
 . VOYAGER 2 SPACECRAFT  
 RT FLYBY MISSIONS  
 GRAND TOURS  
 JUPITER (PLANET)  
 JUPITER PROBES  
 ∞ SPACECRAFT

**VOYAGER 1977 MISSION**

GS SPACE MISSIONS  
 . FLYBY MISSIONS  
 . GRAND TOURS  
 . VOYAGER 1977 MISSION  
 RT INTERPLANETARY SPACECRAFT  
 JUPITER (PLANET)  
 JUPITER PROBES  
 ∞ MISSIONS  
 SOLAR SYSTEM  
 SPACE PROBES

**VOYAGEUR HELICOPTER**

USE CH-46 HELICOPTER

**VTOL**

USE VERTICAL LANDING  
 VERTICAL TAKEOFF

**VTOL AIRCRAFT**

USE VERTICAL TAKEOFF AIRCRAFT

**VULCAN AIRCRAFT**

UF AVRO 698 AIRCRAFT  
 GS ATTACK AIRCRAFT  
 . BOMBER AIRCRAFT  
 . VULCAN AIRCRAFT  
 HAWKER SIDDELEY AIRCRAFT  
 . VULCAN AIRCRAFT  
 JET AIRCRAFT  
 . VULCAN AIRCRAFT  
 TAILLESS AIRCRAFT  
 . VULCAN AIRCRAFT  
 RT ∞ AIRCRAFT  
 AVRO 707 AIRCRAFT  
 HARRIER AIRCRAFT

**VULCANIZATES**

USE VULCANIZED ELASTOMERS

**VULCANIZED ELASTOMERS**

UF GUM VULCANIZATES  
 VULCANIZATES  
 GS RUBBER  
 . SYNTHETIC RUBBERS  
 . ELASTOMERS  
 . VULCANIZED ELASTOMERS  
 RT ADDITION RESINS  
 POLYETHER RESINS  
 THERMOPLASTIC RESINS  
 VULCANIZING

**VULCANIZING**

GS CROSSLINKING  
 . VULCANIZING  
 RT CURING  
 VULCANIZED ELASTOMERS

**VULNERABILITY**

GS VULNERABILITY  
 . NUCLEAR VULNERABILITY  
 RT AIRCRAFT RELIABILITY  
 AIRCRAFT SURVIVABILITY  
 AIRPORT SECURITY  
 DURABILITY  
 INTEGRITY  
 LIFE (DURABILITY)  
 OBSTACLE AVOIDANCE  
 PENETRATION  
 PIERCING  
 RELIABILITY  
 ∞ RESISTANCE  
 SECURITY  
 SENSITIVITY  
 SPACECRAFT DEFENSE  
 SPACECRAFT SURVIVABILITY  
 STABILITY

**VYCOR**

GS FIBERS  
 . SYNTHETIC FIBERS  
 . VYCOR

**VYCOR-(CONT.)**

GLASS  
 . VYCOR  
 SEMICONDUCTORS (MATERIALS)  
 . VYCOR  
 RT GLASS FIBERS  
 ∞ MATERIALS  
 SILICON DIOXIDE

**VZ-2 AIRCRAFT**

GS BOEING AIRCRAFT  
 . VZ-2 AIRCRAFT  
 RESEARCH AIRCRAFT  
 . VZ-2 AIRCRAFT  
 TILT WING AIRCRAFT  
 . VZ-2 AIRCRAFT  
 V/STOL AIRCRAFT  
 . VZ-2 AIRCRAFT  
 RT ∞ AIRCRAFT

**VZ-8 AIRCRAFT**

UF AIRGEEP AIRCRAFT  
 GS LIGHT AIRCRAFT  
 . VZ-8 AIRCRAFT  
 PIASECKI AIRCRAFT  
 . VZ-8 AIRCRAFT  
 RESEARCH AIRCRAFT  
 . VZ-8 AIRCRAFT  
 V/STOL AIRCRAFT  
 . VERTICAL TAKEOFF AIRCRAFT  
 . VZ-8 AIRCRAFT  
 RT ∞ AIRCRAFT  
 FLYING PLATFORMS

**VZ-10 AIRCRAFT**

USE XV-4 AIRCRAFT

**VZ-11 AIRCRAFT**

USE XV-5 AIRCRAFT

**VZ-12 AIRCRAFT**

USE P-1127 AIRCRAFT

**W****W STARS**

USE WOLF-RAYET STARS

**W WINGS**

USE VARIABLE SWEEP WINGS

**W-R STARS**

USE WOLF-RAYET STARS

**WABASH RIVER BASIN (IL-IN-OH)**

GS LANDFORMS  
 . STRUCTURAL BASINS  
 . RIVER BASINS  
 . WABASH RIVER BASIN (IL-IN-OH)  
 RT ILLINOIS  
 INDIANA  
 OHIO  
 RIVERS

**WADIS**

GS LANDFORMS  
 . STRUCTURAL BASINS  
 . RIVER BASINS  
 . WADIS  
 RT ARID LANDS  
 DESERTIFICATION  
 RIVERS  
 STREAMS  
 TOPOGRAPHY  
 VALLEYS  
 WATER RUNOFF

**WAFERS**

RT MICROELECTRONICS  
 MICROMINIATURIZATION  
 MINIATURIZATION  
 PHOTOMASKS  
 SEMICONDUCTOR DEVICES  
 SOLID STATE DEVICES  
 THIN FILMS  
 VERTICAL JUNCTION SOLAR CELLS

**WAGE SURVEYS**

GS REPORTS  
 . WAGE SURVEYS  
 SURVEYS

## WAKEFULNESS

### WAGE SURVEYS-(CONT.)

- GS . WAGE SURVEYS
- RT . COST ANALYSIS
- . COST ESTIMATES
- . COST REDUCTION
- . EMPLOYEE RELATIONS
- . FINANCE
- . PERSONNEL

### WAKEFULNESS

- RT . ALERTNESS
- . SLEEP DEPRIVATION

### WAKES

- GS . WAKES
- . AIRCRAFT WAKES
- . . HELICOPTER WAKES
- . . SLIPSTREAMS
- . . . PROPELLER SLIPSTREAMS
- . . HYPERSONIC WAKES
- . . LAMINAR WAKES
- . . NEAR WAKES
- . . SUPERSONIC WAKES
- . . TURBULENT WAKES
- . . SLIPSTREAMS
- . . . PROPELLER SLIPSTREAMS
- RT . BACKWASH
- . BASE FLOW
- . BUBBLES
- . CAVITATION FLOW
- . CONTRAILS
- . DOWNWASH
- ∞ DRAFT
- . DRAG
- . GROUND EFFECT (AERODYNAMICS)
- . STROUHAL NUMBER
- . TURBULENCE
- . VORTEX ALLEVIATION
- . VORTICES

### WALKING

- GS . LOCOMOTION
- . WALKING
- RT . PHYSICAL EXERCISE

### WALKING MACHINES

- GS . SURFACE VEHICLES
- . WALKING MACHINES
- RT . ASTRONAUT MANEUVERING EQUIPMENT
- . LUNAR SURFACE VEHICLES
- ∞ MACHINERY
- . MANNED LUNAR SURFACE VEHICLES
- . PROSTHETIC DEVICES

### WALL FLOW

- GS . FLUID FLOW
- . WALL FLOW
- RT . BOUNDARY LAYER FLOW
- . CHANNEL FLOW
- . CONICAL FLOW
- . DISCHARGE COEFFICIENT
- . DUCTED FLOW
- . GOERTLER INSTABILITY
- . HEAT TRANSMISSION
- . MANNING THEORY
- . TWO DIMENSIONAL FLOW
- . TWO DIMENSIONAL JETS

### WALL JETS

- RT . FLUID AMPLIFIERS
- . JET BOUNDARIES
- . JET FLOW
- . JET VANES
- ∞ JETS

### WALL PRESSURE

- GS . PRESSURE
- . WALL PRESSURE
- RT . BOUNDARY LAYERS
- . PRESSURE DISTRIBUTION
- . PRESSURE VESSELS
- . THICK WALLS

### WALL TEMPERATURE

- GS . SURFACE PROPERTIES
- . SURFACE TEMPERATURE
- . . WALL TEMPERATURE
- . TEMPERATURE
- . SURFACE TEMPERATURE
- . . WALL TEMPERATURE
- RT . OPERATING TEMPERATURE
- . THICK WALLS

### WALLOPS ISLAND

- GS . LANDFORMS
- . ISLANDS
- . . WALLOPS ISLAND
- RT . ATLANTIC OCEAN
- . VIRGINIA

### WALLS

- UF . COLD WALLS
- GS . WALLS
- . BULKHEADS
- . NOZZLE WALLS
- . POROUS WALLS
- . THICK WALLS
- . THIN WALLS
- . TROMBE WALLS
- . WIND TUNNEL WALLS
- RT ∞ BARRIERS
- . BUILDINGS
- . CURTAINS
- . ENCLOSURES
- . FLOORS
- . GATES (OPENINGS)
- . HOUSINGS
- . LIMITERS (FUSION REACTORS)
- . PANELS
- . PARTITIONS (STRUCTURES)
- . SANDWICH STRUCTURES
- . SHEATHS
- . SHELLS (STRUCTURAL FORMS)
- . SIDES
- . STUDS (STRUCTURAL MEMBERS)
- . SUBSTRUCTURES
- . TILES

### WALSH FUNCTION

- GS . FUNCTIONS (MATHEMATICS)
- . . ORTHOGONAL FUNCTIONS
- . . . WALSH FUNCTION
- RT . FAST FOURIER TRANSFORMATIONS
- . FOURIER TRANSFORMATION
- . FUNCTIONAL ANALYSIS
- . MATRICES (MATHEMATICS)

### WANKEL ENGINES

- GS . ENGINES
- . . INTERNAL COMBUSTION ENGINES
- . . . ROTARY ENGINES
- . . . . WANKEL ENGINES
- RT . AIRCRAFT ENGINES
- . AUTOMOBILE ENGINES
- . PISTON ENGINES

### WAR GAMES

- RT . DIGITAL SIMULATION
- . GAME THEORY
- . MATHEMATICAL MODELS
- . OPERATIONS RESEARCH
- . SIMULATION

### WARFARE

- GS . WARFARE
- . . ANTISHIP WARFARE
- . . . ANTISUBMARINE WARFARE
- . . . CHEMICAL WARFARE
- . . . COMBAT
- . . . ELECTRONIC WARFARE
- . . . NUCLEAR WARFARE
- RT . ATTACKING (ASSAULTING)
- . B-1 AIRCRAFT
- . CHEMICAL DEFENSE
- . EVASIVE ACTIONS
- . INFILTRATION
- . INTERNATIONAL LAW
- . ORDNANCE
- . PEACETIME
- . POLITICS
- . STRATEGY
- . VIOLENCE

### WARHEADS

- GS . WEAPONS
- . . WARHEADS
- . . . NUCLEAR WARHEADS
- . . . . PRECISION GUIDED PROJECTILES
- RT . AMMUNITION
- . ANTISHIP WARFARE
- . BOMBS (ORDNANCE)
- . EXPLOSIVE DEVICES
- . EXPLOSIVES
- ∞ FUSES
- . FUSES (ORDNANCE)
- . MISSILE COMPONENTS
- . MISSILES
- . NOSE CONES

### WARHEADS-(CONT.)

- . NUCLEAR DEVICES
- . NUCLEAR WEAPONS
- . PAYLOADS
- . PROJECTILES
- ∞ ROCKETS
- . SHAPED CHARGES
- . TORPEDOES

### WARM BLOODED ANIMALS

- USE . HOMEOTHERMS

### WARM FRONTS

- GS . FRONTS (METEOROLOGY)
- . . WARM FRONTS
- RT . AIR MASSES
- . COLD FRONTS
- ∞ FRONTS
- . METEOROLOGICAL PARAMETERS
- . METEOROLOGY
- . STORMS
- . SYNOPTIC METEOROLOGY
- . THUNDERSTORMS
- . TORNADES
- . WEATHER FORECASTING

### WARMING

- USE . HEATING

### WARNING

- RT . ACCIDENT PREVENTION
- . AUDITORY SIGNALS
- . BELLS
- . CIVIL DEFENSE
- . COLLISION AVOIDANCE
- . DETECTION
- ∞ DETECTORS
- . EARLY WARNING SYSTEMS
- . FIRE PREVENTION
- . HORNS
- . MINE DETECTORS
- . MONITORS
- . PROTECTION
- . SAFETY
- . SAFETY DEVICES

### WARNING DEVICES

- USE . WARNING SYSTEMS

### WARNING SIGNALS

- USE . WARNING SYSTEMS

### WARNING STAR AIRCRAFT

- USE . EC-121 AIRCRAFT

### WARNING SYSTEMS

- UF . ALARMS
- . COLLISION WARNING DEVICES
- . WARNING DEVICES
- . WARNING SIGNALS
- GS . WARNING SYSTEMS
- . . EARLY WARNING SYSTEMS
- . . . BALLISTIC MISSILE EARLY WARNING SYSTEM
- . . MINE DETECTORS
- RT . ACCIDENT PREVENTION
- . AUDITORY SIGNALS
- . AVOIDANCE
- . BELLS
- . CIVIL DEFENSE
- . COLLISION AVOIDANCE
- . DETECTION
- ∞ DETECTORS
- . DISPLAY DEVICES
- . EXPLOSIONS
- . FALSE ALARMS
- . FIRE PREVENTION
- . FIRES
- . GAS DETECTORS
- . HAZARDS
- . HEAD-UP DISPLAYS
- . HORNS
- . MONITORS
- . NATIONAL SEVERE STORMS PROJECT
- . POLLUTION MONITORING
- . PROTECTION
- . PUBLIC ADDRESS SYSTEMS
- . SAFETY
- . SAFETY DEVICES
- . SAFETY MANAGEMENT
- . SANITATION
- . SIRENS
- . SOUND GENERATORS
- ∞ SYSTEMS
- . THREAT EVALUATION

**WARPAGE**

RT BENDING  
BUCKLING  
CAMBER  
DAMAGE  
DEFORMATION  
DISTORTION  
GROWTH  
HEAVING  
PLASTIC DEFORMATION  
SHRINKAGE  
STRUCTURAL STRAIN  
SURFACE DISTORTION  
THERMAL EXPANSION  
TWISTING

**WASHERS**

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)*  
RT WASHERS (CLEANERS)  
WASHERS (SPACERS)

**WASHERS (CLEANERS)**

RT CLEANERS  
CONCENTRATORS  
EXTRACTION  
SEPARATORS  
WASHERS  
WASHING

**WASHERS (SPACERS)**

GS FASTENERS  
WASHERS (SPACERS)  
RT INSERTS  
SEPARATORS  
SPACERS  
WASHERS

**WASHING**

UF SCRUBBING  
GS CLEANING  
WASHING  
BATHING  
RT BENEFICIATION  
DECONTAMINATION  
DISSOLVING  
DISTILLATION  
ELUTION  
FLUSHING  
HOUSEKEEPING (SPACECRAFT)  
PURIFICATION  
SCRUBBERS  
SEPARATION  
WASHERS (CLEANERS)  
WASTE WATER

**WASHINGTON**

GS NATIONS  
UNITED STATES  
WASHINGTON  
RT CASCADE RANGE (CA-OR-WA)  
COLUMBIA RIVER BASIN (ID-OR-WA)

**WASHOUT (RADIOACTIVITY)**

USE FALLOUT

**WASP SOUNDING ROCKET**

UF HIGH ALTITUDE SOUNDING PROJECTILE  
WINDOW ATMOSPHERE SOUNDING  
PROJECTILE  
GS ROCKET VEHICLES  
MULTISTAGE ROCKET VEHICLES  
WASP SOUNDING ROCKET  
SOUNDING ROCKETS  
WASP SOUNDING ROCKET  
RT LOKI ROCKET VEHICLE  
SOLID PROPELLANT ROCKET ENGINES

**WASPALOY**

GS ALLOYS  
HEAT RESISTANT ALLOYS  
WASPALOY  
NICKEL ALLOYS  
WASPALOY  
RT CHROMIUM ALLOYS  
COBALT ALLOYS  
WROUGHT ALLOYS

**WASTE DISPOSAL**

GS DISPOSAL  
WASTE DISPOSAL  
COMPOSTING

**WASTE DISPOSAL (CONT.)**

HAZARDOUS MATERIAL DISPOSAL (IN  
SPACE)  
RT AIR POLLUTION  
DEEP WELL INJECTION (WASTES)  
DEWATERING  
DILUTION  
DISSIPATION  
DRAINAGE  
EFFLUENTS  
ELIMINATION  
ENVIRONMENT EFFECTS  
ENVIRONMENT POLLUTION  
ENVIRONMENT PROTECTION  
ENVIRONMENTAL CHEMISTRY  
ENVIRONMENTAL ENGINEERING  
ENVIRONMENTAL SURVEYS  
EXHAUST GASES  
EXHAUST SYSTEMS  
GARBAGE  
HUMAN WASTES  
INCINERATORS  
INDUSTRIAL WASTES  
LANDFILLS  
MANURES  
MATERIALS HANDLING  
METABOLIC WASTES  
MINES (EXCAVATIONS)  
MODULAR INTEGRATED UTILITY SYSTEM  
PIPELINES  
PLASMA CORE REACTORS  
POLLUTION  
PONDS  
RADIOACTIVE WASTES  
SANITATION  
SEWAGE  
SEWAGE TREATMENT  
SEWERS  
SOLID WASTES  
SPACE FLIGHT FEEDING  
STORAGE  
SUMPS  
TOILETS  
UTILITIES  
WASTES  
WATER POLLUTION

**WASTE ENERGY UTILIZATION**

GS UTILIZATION  
WASTE ENERGY UTILIZATION  
RT BOILERS  
BURNERS  
CHIMNEYS  
COGENERATION  
ENERGY CONVERSION  
EXHAUST GASES  
FURNACES  
HEAT TRANSFER  
HEATING  
INCINERATORS  
LIGHTING EQUIPMENT  
OVENS  
SOLID WASTES  
SPACE HEATING (BUILDINGS)  
WASTE HEAT  
WASTES

**WASTE HEAT**

RT ENERGY TECHNOLOGY  
HEAT EXCHANGERS  
HEAT PUMPS  
WASTE ENERGY UTILIZATION

**WASTE TREATMENT**

GS WASTE TREATMENT  
SEWAGE TREATMENT  
RT BACTERIA  
COMPOSTING  
GARBAGE  
RESIDUES  
SLUDGE  
TREATMENT  
WASTES

**WASTE UTILIZATION**

GS UTILIZATION  
WASTE UTILIZATION  
RT BIOMASS ENERGY PRODUCTION  
COMPOSTING  
HYDROCARBON FUEL PRODUCTION  
INDUSTRIAL WASTES  
LANDFILLS  
MANURES  
SOLID WASTES  
WASTES

**WASTE WATER**

GS WASTES  
LIQUID WASTES  
WASTE WATER  
WATER  
WASTE WATER  
RT BATHING  
CLEANING  
FLUSHING  
INDUSTRIAL WASTES  
RESIDUES  
WASHING  
WATER COOLED REACTORS

**WASTES**

GS WASTES  
GARBAGE  
INDUSTRIAL WASTES  
LIQUID WASTES  
URINE  
WASTE WATER  
MANURES  
METABOLIC WASTES  
HUMAN WASTES  
FECES  
URINE  
RADIOACTIVE WASTES  
SEWAGE  
SOLID WASTES  
RT ACTIVATED SLUDGE  
AIR POLLUTION  
BENEFICIATION  
BY-PRODUCTS  
COMBUSTION PRODUCTS  
CONTAMINANTS  
DEBRIS  
EFFLUENTS  
ENVIRONMENT EFFECTS  
EXHAUST GASES  
FOREST FIRES  
FUMES  
GAS RECOVERY  
IMPURITIES  
LEAKAGE  
LOSSES  
NONPOINT SOURCES  
ORGANIC WASTES (FUEL CONVERSION)  
POLLUTION  
RESIDUES  
SCRAP  
SEWERS  
SLAGS  
SLUDGE  
WASTE DISPOSAL  
WASTE ENERGY UTILIZATION  
WASTE TREATMENT  
WASTE UTILIZATION

**WATCHES**

USE CLOCKS

**WATER**

GS WATER  
COLD WATER  
DEEP WATER  
FRESH WATER  
HEAVY WATER  
INLAND WASTES  
GROUND WATER  
LIGHT WATER  
NEARSHORE WATER  
COASTAL WATER  
POLYMER  
POTABLE WATER  
SEA WATER  
SHALLOW WATER  
SHOALS  
SPRINGS (WATER)  
SURFACE WATER  
VADOSE WATER  
WASTE WATER  
RT AQUIFERS  
ARROYOS  
BAY ICE  
BODY FLUIDS  
CAVITATION FLOW  
FIORDS  
HUMIDITY  
HYDRATES  
HYDRAULICS  
HYDRODYNAMICS  
HYDROGEN BONDS  
HYDROGEN COMPOUNDS  
HYDROLOGY  
HYDROMECHANICS



## WATER BALANCE

### WATER-(CONT.)

HYDROSTATICS  
ICE  
ISTHUSES  
LAKE ERIE  
LAKE HURON  
LAKE ICE  
LAKE MICHIGAN  
LAKE ONTARIO  
LAKE SUPERIOR  
LATERITES  
LIFE SUPPORT SYSTEMS  
LIMNOLOGY  
LIQUIDS  
MODERATORS  
MOISTURE  
MOISTURE CONTENT  
MUSKEGS  
OXIDES  
PENINSULAS  
POLLUTION  
PRECIPITATION (METEOROLOGY)  
RUNWAY CONDITIONS  
SLUSH  
SOUNDS (TOPOGRAPHIC FEATURES)  
STEAM  
STRAITS  
UTILITIES  
WATERSHEDS  
WHARVES  
WINDPOWERED PUMPS

### WATER BALANCE

GS MATERIAL BALANCE  
RT . **WATER BALANCE**  
BODY FLUIDS  
EDEMA  
∞EQUILIBRIUM  
HOMEOSTASIS  
HYDROMETEOROLOGY  
LYSIMETERS  
OSMOSIS  
URINATION

### WATER CIRCULATION

GS CIRCULATION  
 . **WATER CIRCULATION**  
 . . WATER CURRENTS  
 . . . OCEAN CURRENTS  
 . . . . COASTAL CURRENTS  
 . . . . EL NINO  
 . . . . GULF STREAM  
 . . . . LOMONOSOV CURRENT  
RT LAKES  
OCEANOGRAPHY  
POLLUTION TRANSPORT  
WIND EFFECTS

### WATER COLOR

GS ELECTROMAGNETIC PROPERTIES  
 . OPTICAL PROPERTIES  
 . . COLOR  
 . . . **WATER COLOR**  
RT COASTAL ZONE COLOR SCANNER  
LAKES  
OCEAN COLOR SCANNER  
OCEANS  
RIVERS

### WATER CONSUMPTION

GS CONSUMPTION  
 . **WATER CONSUMPTION**  
RT DROUGHT  
IRRIGATION  
SEEPAGE

### WATER CONTENT

USE MOISTURE CONTENT

### WATER COOLED REACTORS

UF PHYSICAL CONSTANTS TESTING  
 REACTOR  
GS NUCLEAR REACTORS  
 . LIQUID COOLED REACTORS  
 . . **WATER COOLED REACTORS**  
 . . . BOILING WATER REACTORS  
 . . . . EXPERIMENTAL BOILING WATER  
 . . . . REACTORS  
 . . . . HALDEN BOILING WATER  
 . . . . REACTOR  
 . . . . LOS ALAMOS WATER BOILER  
 . . . . REACTOR  
 . . . . PATHFINDER NUCLEAR REACTOR  
 . . . . SPERT REACTORS  
 . . . HEAVY WATER REACTORS

### WATER COOLED REACTORS-(CONT.)

. . . . HEAVY WATER COMPONENTS  
 . . . . TEST REACTORS  
 . . . . PLUTONIUM RECYCLE TEST  
 . . . . REACTOR  
 . . . . ZERO POWER REACTOR 2  
 . . . . LIGHT WATER REACTORS  
 . . . . NRX REACTORS  
 . . . . PLUM BROOK REACTOR  
 . . . . PRESSURIZED WATER REACTORS  
 . . . . SPECTRAL SHIFT CONTROL  
 . . . . REACTOR  
 . . . . SWIMMING POOL REACTORS  
 . . . . ZERO POWER REACTORS  
 . . . . ZERO POWER REACTOR 2  
 . . . . ZERO POWER REACTOR 3  
 . . . . ZERO POWER REACTOR 6  
 . . . . ZERO POWER REACTOR 9  
RT CHEMICAL REACTORS  
 . NUCLEAR ENGINE FOR ROCKET  
 . VEHICLES  
∞ REACTORS  
WASTE WATER

### WATER COOLING

USE LIQUID COOLING

### WATER CURRENTS

UF CURRENTS (OCEANOGRAPHY)  
GS CIRCULATION  
 . WATER CIRCULATION  
 . . **WATER CURRENTS**  
 . . . OCEAN CURRENTS  
 . . . . COASTAL CURRENTS  
 . . . . EL NINO  
 . . . . GULF STREAM  
 . . . . LOMONOSOV CURRENT  
RT ARROYOS  
∞ CURRENTS  
OCEANOGRAPHY  
RAPIDS  
SEA ROUGHNESS  
SEA STATES  
SURFACE WAVES  
TIDES  
UPSTREAM

### WATER CYCLE (HYDROLOGY)

USE HYDROLOGICAL CYCLE

### WATER DEPRIVATION

GS DEPRIVATION  
 . **WATER DEPRIVATION**

### WATER DEPTH

RT CNOIDAL WAVES  
COASTAL WATER  
LAKES  
NEARSHORE WATER  
OCEANS  
SHALLOW WATER  
SHOALS

### WATER EROSION

GS EROSION  
 . **WATER EROSION**  
RT ARROYOS  
CANYONS  
DRAINAGE PATTERNS  
FLOOD DAMAGE  
RAIN IMPACT DAMAGE  
RAVINES  
SOIL EROSION  
WIND EROSION

### WATER FLOW

GS FLUID FLOW  
 . LIQUID FLOW  
 . . **WATER FLOW**  
RT ALLUVIUM  
CANALS  
DRAINAGE  
DRAINAGE PATTERNS  
FLOOD DAMAGE  
FLOODS  
FLOW MEASUREMENT  
GREAT LAKES (NORTH AMERICA)  
GROUND WATER  
∞HYDRAULICS  
HYDRODYNAMICS  
HYDROLOGY MODELS  
OPEN CHANNEL FLOW  
PIPE FLOW  
RAPIDS  
WATERSHEDS

### WATER HAMMER

RT HYDRAULIC EQUIPMENT  
HYDRODYNAMICS  
PIPE FLOW  
PIPELINES  
RAMS (PUMPS)  
SURGES  
VALVES

### WATER HEATING

GS HEATING  
 . **WATER HEATING**  
RT DOMESTIC ENERGY  
GEOTHERMAL ENERGY EXTRACTION  
HEAT EXCHANGERS  
∞HEATERS  
HEATING EQUIPMENT  
RESIDENTIAL ENERGY  
TEMPERATURE CONTROL

### WATER IMMERSION

RT BATHS  
LIQUID COOLING  
QUENCHING (COOLING)  
SINKING  
∞SOAKING  
SUBMERGED BODIES  
SUBMERGING  
UNDERWATER TESTS

### WATER INJECTION

GS INJECTION  
 . FLUID INJECTION  
 . . LIQUID INJECTION  
 . . . **WATER INJECTION**  
RT GAS INJECTION  
PERFORATING  
THRUST AUGMENTATION

### ∞ WATER INTAKES

SN *(USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED-CONSULT THE TERMS  
LISTED BELOW)*  
RT AIR INTAKES  
INTAKE SYSTEMS  
MANIFOLDS  
NOSE INLETS  
PLENUM CHAMBERS  
SCOOPS  
SIDE INLETS

### WATER JETS

USE HYDRAULIC JETS

### WATER LANDING

GS LANDING  
 . **WATER LANDING**  
 . . DITCHING (LANDING)  
RT AIRCRAFT LANDING  
CRASH LANDING  
GLIDE LANDINGS  
HARD LANDING  
HORIZONTAL SPACECRAFT LANDING  
HYDROPLANING  
PLANETARY LANDING  
SOFT LANDING  
SPACECRAFT LANDING  
SPACECRAFT RECOVERY  
SPLASHING  
TOUCHDOWN

### WATER LOSS

RT DEHYDRATION  
DRYING  
EVAPORATION  
LOSSES

### WATER MANAGEMENT

GS MANAGEMENT  
 . **WATER MANAGEMENT**  
RT CONSERVATION  
DROUGHT  
ENVIRONMENT MANAGEMENT  
FLOODS  
HYDROLOGY  
LAKE ERIE  
LAKE HURON  
LAKE MICHIGAN  
LAKE ONTARIO  
LAKE SUPERIOR  
LIMNOLOGY  
POTABLE WATER  
PYRAMID LAKE (NV)  
WATERSHEDS

**WATER MASERS**

- GS EMISSION
  - . STIMULATED EMISSION
  - . . . **WATER MASERS**
  - STIMULATED EMISSION DEVICES
  - . MASERS
  - . . . **WATER MASERS**
- RT GAS LASERS
  - GAS MASERS
  - INTERSTELLAR MASERS
  - MASER OUTPUTS

**WATER MODERATED REACTORS**

- GS NUCLEAR REACTORS
  - . **WATER MODERATED REACTORS**
  - . . . EXPERIMENTAL BOILING WATER REACTORS
  - . . . HEAVY WATER COMPONENTS TEST REACTORS
  - . . . PLUTONIUM RECYCLE TEST REACTOR
- RT LIGHT WATER REACTORS

**WATER POLLUTION**

- GS POLLUTION
  - . ENVIRONMENT POLLUTION
  - . . . **WATER POLLUTION**
  - . . . . OIL POLLUTION
- RT ALGAE
  - ALKALINITY
  - BIOCHEMICAL OXYGEN DEMAND
  - CLEAN ENERGY
  - CONTAMINATION
  - DROUGHT
  - ENVIRONMENT EFFECTS
  - ENVIRONMENT PROTECTION
  - ENVIRONMENTAL CHEMISTRY
  - ENVIRONMENTAL QUALITY
  - ENVIRONMENTAL SURVEYS
  - INLAND WATERS
  - LANDFILLS
  - LIMNOLOGY
  - LYSIMETERS
  - MARINE RESOURCES
  - OIL SLICKS
  - PHYTOPLANKTON
  - POLLUTION MONITORING
  - POLLUTION TRANSPORT
  - PURITY
  - THERMAL POLLUTION
  - WASTE DISPOSAL

**WATER PRESSURE**

- GS PRESSURE
  - . FLUID PRESSURE
  - . . . **WATER PRESSURE**
- RT ∞ HYDRAULICS
  - HYDRODYNAMICS
  - HYDROSTATIC PRESSURE
  - HYDROSTATICS
  - INLET PRESSURE
  - PIPE FLOW

**WATER PURIFICATION**

- USE WATER TREATMENT

**WATER QUALITY**

- GS QUALITY
  - . ENVIRONMENTAL QUALITY
  - . . . **WATER QUALITY**
- RT ALKALINITY
  - ENVIRONMENT EFFECTS

**WATER RECLAMATION**

- UF WATER RECOVERY
- GS RECLAMATION
  - . MATERIALS RECOVERY
  - . . . **WATER RECLAMATION**
- RT CONSERVATION
  - DEWATERING
  - DROUGHT
  - POLLUTION

**WATER RECOVERY**

- USE WATER RECLAMATION

**WATER RESOURCES**

- GS RESOURCES
  - . EARTH RESOURCES
  - . . . **WATER RESOURCES**
  - . . . . AQUIFERS
- RT ENVIRONMENT EFFECTS
  - ENVIRONMENT MANAGEMENT
  - GREAT LAKES (NORTH AMERICA)
  - GROUND WATER

**WATER RESOURCES-(CONT.)**

- HYDROLOGY
- INLAND WATERS
- INTERNATIONAL HYDROLOGICAL DECADE
- LAKES
- LIMNOLOGY
- OCEANS
- PONDS
- POTABLE WATER
- PRECIPITATION (METEOROLOGY)
- PYRAMID LAKE (NV)
- RAINMAKING
- RESERVOIRS
- SEA WATER
- UNDERWATER RESOURCES
- WETLANDS
- WINDPOWERED PUMPS

**WATER RUNOFF**

- RT DRAINAGE
  - GROUND WATER
  - INLAND WATERS
  - RESOURCES MANAGEMENT
  - RIVERS
  - WADIS

**WATER TABLES**

- RT AQUIFERS
  - DRAINAGE
  - GROUND WATER
  - POTABLE WATER
  - SPRINGS (WATER)
  - VADOSE WATER
  - WATERSHEDS

**WATER TAKEOFF AND LANDING AIRCRAFT**

- GS **WATER TAKEOFF AND LANDING AIRCRAFT**
  - . SEAPLANES
- RT ∞ AIRCRAFT
  - AMPHIBIOUS AIRCRAFT
  - ANTISUBMARINE WARFARE AIRCRAFT
  - COMMERCIAL AIRCRAFT
  - GROUND EFFECT MACHINES
  - HOVERCRAFT GROUND EFFECT MACHINES
  - LIGHT AIRCRAFT
  - MONOPLANES
  - PASSENGER AIRCRAFT
  - RECONNAISSANCE AIRCRAFT
  - S-61 HELICOPTER
  - SEA LAUNCHING
  - SUBMERSIBLE AIRCRAFT
  - ∞ SUBSONIC AIRCRAFT
  - TRANSPORT AIRCRAFT
  - UTILITY AIRCRAFT

**WATER TEMPERATURE**

- GS TEMPERATURE
  - . **WATER TEMPERATURE**
  - . . . OCEAN TEMPERATURE
  - . . . . SEA SURFACE TEMPERATURE
- RT SURFACE TEMPERATURE
  - TEMPERATURE DISTRIBUTION
  - THERMAL POLLUTION

**WATER TREATMENT**

- UF WATER PURIFICATION
- RT ACTIVATED CARBON
  - ADSORPTION
  - AERATION
  - AGITATION
  - BENTONITE
  - BIOCHEMICAL OXYGEN DEMAND
  - CHLORINATION
  - COAGULATION
  - CONTAMINANTS
  - CORROSION PREVENTION
  - DEMINERALIZING
  - DESALINIZATION
  - FILTRATION
  - FLOCCULATING
  - FLOTATION
  - ION EXCHANGING
  - MATERIAL ABSORPTION
  - POLLUTION
  - POTABLE WATER
  - PURIFICATION
  - ∞ SCREENING
  - SETTLING
  - SEWAGE
  - ∞ TREATMENT

**WATER TUNNEL TESTS**

- RT AIR WATER INTERACTIONS
  - CROSS FLOW
  - FLOW DISTRIBUTION
  - FLOW VISUALIZATION
  - STRAKES
  - ∞ TESTS
  - WATER WAVES
  - WIND TUNNEL TESTS

**WATER TUNNELS**

- USE HYDRAULIC TEST TUNNELS

**WATER VAPOR**

- GS VAPORS
  - . **WATER VAPOR**
- RT ATMOSPHERIC MOISTURE
  - DEW
  - HUMIDITY
  - MOISTURE
  - MOISTURE CONTENT
  - STEAM

**WATER VEHICLES**

- GS **WATER VEHICLES**
  - . BOATS
  - . . . LIFEBOATS
  - . . . CAPTURED AIR BUBBLE VEHICLES
  - . SHIPS
  - . . . ADVANCED RANGE INSTRUMENTATION SHIP
  - . . . AIRCRAFT CARRIERS
  - . . . CARGO SHIPS
  - . . . SAVANNAH NUCLEAR SHIP
  - . . . TANKER SHIPS
  - . . . NUCLEAR POWERED SHIPS
  - . . . SAVANNAH NUCLEAR SHIP
  - . . . SATELLITE COMMUNICATIONS SHIPS
  - . . . SUBMARINES
  - . . . BALLISTIC MISSILE SUBMARINES
  - . . . GUIDED MISSILE SUBMARINES
  - . . . TRIDENT SUBMARINE
  - . . . SURFACE EFFECT SHIPS
  - . . . SWATH (SHIP)
  - . . . UNDERWATER VEHICLES
  - . . . SUBMARINES
  - . . . BALLISTIC MISSILE SUBMARINES
  - . . . GUIDED MISSILE SUBMARINES
  - . . . TRIDENT SUBMARINE
  - . . . UNDERWATER RESEARCH LABORATORIES
- RT AMPHIBIOUS VEHICLES
  - HARBORS
  - MARINE TRANSPORTATION
  - ∞ MILITARY VEHICLES
  - RESEARCH VEHICLES
  - SHIPYARDS
  - SURFACE VEHICLES
  - ∞ VEHICLES

**WATER WAVES**

- GS **WATER WAVES**
  - . TIDAL WAVES
- RT BREAKWATERS
  - CAPILLARY WAVES
  - CNOIDAL WAVES
  - ELASTOHYDRODYNAMICS
  - FRONTAL WAVES
  - GRAVITY WAVES
  - HYDRODYNAMIC COEFFICIENTS
  - LITTORAL TRANSPORT
  - OCEAN DYNAMICS
  - RIPPLES
  - SEA ROUGHNESS
  - SEA STATES
  - SURFACE WAVES
  - TSUNAMI WAVES
  - WATER TUNNEL TESTS
  - WATERWAVE ENERGY
  - WATERWAVE ENERGY CONVERSION
  - WATERWAVE POWERED MACHINES
  - ∞ WAVES

**WATER WHEELS**

- GS WHEELS
  - . **WATER WHEELS**
- RT HYDROELECTRIC POWER STATIONS
  - TURBINE WHEELS

**WATERFOWL**

- GS ANIMALS
  - . VERTEBRATES
  - . . . BIRDS
  - . . . . **WATERFOWL**
- RT BEACHES

## WATERPROOFING

### WATERFOWL-(CONT.)

- COASTAL ECOLOGY
- MARINE BIOLOGY
- MARINE ENVIRONMENTS
- MARSHLANDS
- MIGRATION
- OCEANOGRAPHY
- WETLANDS

### WATERPROOFING

- RT BARRIER LAYERS
- CAULKING
- COATINGS
- INSULATION
- MOISTURE RESISTANCE
- PROTECTIVE COATINGS
- SEALING
- WEATHERPROOFING

### WATERSHEDS

- UF CATCHMENT AREAS
- GS LANDFORMS
  - STRUCTURAL BASINS
  - WATERSHEDS
- RT DIVIDES (LANDFORMS)
- DRAINAGE PATTERNS
- FLOOD CONTROL
- FLOODS
- HYDROGEOLOGY
- HYDROLOGY
- INTERNATIONAL HYDROLOGICAL DECADE
- MISSOURI RIVER BASIN (US)
- MOUNTAINS
- PONDS
- PRECIPITATION (METEOROLOGY)
- RAIN
- RIVER BASINS
- RIVERS
- STORMS (METEOROLOGY)
- VALLEYS
- WATER
- WATER FLOW
- WATER MANAGEMENT
- WATER TABLES

### WATERWAVE ENERGY

- RT CLEAN ENERGY
- EARTH RESOURCES
- ENERGY
- OCEANOGRAPHY
- TIDEPOWER
- WATER WAVES
- WAVES

### WATERWAVE ENERGY CONVERSION

- GS ENERGY CONVERSION
  - WATERWAVE ENERGY CONVERSION
- RT CONVERSION
- EARTH RESOURCES
- ENERGY CONVERSION EFFICIENCY
- ENERGY SOURCES
- OCEAN CURRENTS
- OCEAN SURFACE
- OCEANOGRAPHY
- OCEANS
- SEA ROUGHNESS
- TIDE POWERED GENERATORS
- TIDE POWERED MACHINES
- TIDEPOWER
- TIDES
- WATER WAVES

### WATERWAVE POWERED MACHINES

- RT MACHINERY
- OCEAN CURRENTS
- OCEAN SURFACE
- SEA ROUGHNESS
- TIDE POWERED GENERATORS
- TIDE POWERED MACHINES
- TIDEPOWER
- TIDES
- WATER WAVES

### WATERWAYS

- GS WATERWAYS
  - CANALS
  - HARBORS
  - ARTIFICIAL HARBORS
- RT LAKES
- RIVERS
- STRAITS

### WATTMETERS

- GS MEASURING INSTRUMENTS

### WATTMETERS-(CONT.)

- WATTMETERS
- RT ELECTRICAL MEASUREMENT
- ELECTROMETERS

### WAVE AMPLIFICATION

- GS AMPLIFICATION
- WAVE AMPLIFICATION
- RT BAROCLINIC WAVES
- ELECTROMAGNETIC RADIATION
- WAVES

### WAVE ATTENUATION

- GS ATTENUATION
- WAVE ATTENUATION
- ACOUSTIC ATTENUATION
- SHOCK WAVE ATTENUATION
- RADAR ATTENUATION
- RADIO ATTENUATION
- RT ATMOSPHERIC ATTENUATION
- ELECTROMAGNETIC ABSORPTION
- INFRARED ABSORPTION
- RADAR TRANSMISSION
- RADIO TRANSMISSION
- SHOCK WAVE PROPAGATION

### WAVE DEGRADATION

- GS DEGRADATION
- WAVE DEGRADATION
- RT ATTENUATION
- SCATTERING
- SHOCK WAVE INTERACTION

### WAVE DIFFRACTION

- GS DIFFRACTION
- WAVE DIFFRACTION
- RT ATTENUATION
- CROSSTALK
- DIFFRACTION RADIATION
- FRESNEL INTEGRALS
- GEOMETRICAL THEORY OF DIFFRACTION
- INTERFERENCE
- TRAVELING WAVE MODULATION

### WAVE DISPERSION

- RT ACOUSTIC PROPERTIES
- ATMOSPHERIC REFRACTION
- ATTENUATION
- COHERENCE
- COLOR
- DEFLECTION
- DIFFRACTION
- DISPERSION
- ELASTIC WAVES
- ELECTROMAGNETIC RADIATION
- FADING
- LIGHT TRANSMISSION
- OPTICAL PATHS
- OPTICAL PROPERTIES
- RADIATION DISTRIBUTION
- RADIO WAVE REFRACTION
- REFRACTION
- SCATTERING
- SOUND-SOUND INTERACTIONS
- TRANSMISSION
- TRANSMISSION LOSS

### WAVE DRAG

- GS DYNAMIC CHARACTERISTICS
- DRAG
- PRESSURE DRAG
- WAVE DRAG
- INTERFERENCE DRAG
- RT FRICTION DRAG
- SUPERSONIC DRAG

### WAVE EQUATIONS

- SN (NOT EQUATIONS OF MOTION)
- WAVE EQUATIONS
- DIRAC EQUATION
- EIKONAL EQUATION
- KLEIN-GORDON EQUATION
- KORTEWEG-DEVRIES EQUATION
- LAME WAVE EQUATIONS
- SCHROEDINGER EQUATION
- BOLTZMANN-VLASOV EQUATION
- DENSITY WAVE MODEL
- EQUATIONS
- FORBIDDEN BANDS
- HELMHOLTZ EQUATIONS
- HYPERBOLIC DIFFERENTIAL EQUATIONS
- PARTIAL DIFFERENTIAL EQUATIONS
- QUANTUM THEORY
- RT

### WAVE EXCITATION

- GS EXCITATION
- WAVE EXCITATION
- ACOUSTIC EXCITATION
- HARMONIC EXCITATION
- RT DIFFRACTION RADIATION
- STROKING TESTS
- WAVES

### WAVE FRONT DEFORMATION

- GS DEFORMATION
- WAVE FRONT DEFORMATION
- RT INTERFERENCE

### WAVE FRONT RECONSTRUCTION

- GS RECONSTRUCTION
- WAVE FRONT RECONSTRUCTION
- RT ACOUSTICAL HOLOGRAPHY
- DIFFRACTOMETERS
- HOLOGRAPHIC INTERFEROMETRY
- HOLOGRAPHIC SPECTROSCOPY
- HOLOGRAPHY
- KINOFORM
- MICROWAVE HOLOGRAPHY
- PHOTOGRAPHY
- WHITE LIGHT HOLOGRAPHY

### WAVE FRONTS

- GS WAVE FRONTS
- SHOCK FRONTS
- RT CAUSTIC LINES
- EIKONAL EQUATION
- FRONTS
- HUYGENS PRINCIPLE
- PHASE COHERENCE
- PHASE VELOCITY
- SHOCK DISCONTINUITY
- WAVES

### WAVE FUNCTIONS

- GS WAVE FUNCTIONS
- MOLECULAR ORBITALS
- PAULI EXCLUSION PRINCIPLE
- RT FORBIDDEN TRANSITIONS
- HARTREE APPROXIMATION
- PERTURBATION THEORY
- SQUARE WAVES
- TIME FUNCTIONS

### WAVE GENERATION

- RT ELECTROMAGNETIC RADIATION
- FUNCTION GENERATORS
- GENERATORS
- HARMONIC GENERATIONS
- SHOCK WAVE GENERATORS

### WAVE INCIDENCE CONTROL

- RT CONTROL
- INCIDENT RADIATION

### WAVE INTERACTION

- GS WAVE INTERACTION
- SHOCK WAVE INTERACTION
- RT COUPLING
- DAMPING
- ELECTROACOUSTIC WAVES
- ELECTROMAGNETIC INTERACTIONS
- INTERACTIONS
- INTERMODULATION
- MODULATION
- ORTHOGONAL MULTIPLEXING THEORY
- PLASMA INTERACTIONS
- PROPAGATION MODES
- SCATTERING
- SHOCK WAVE LUMINESCENCE
- SHOCK WAVE PROFILES
- SHOCK WAVE PROPAGATION

### WAVE MOTION

- USE WAVES

### WAVE OSCILLATORS

- USE OSCILLATORS

### WAVE PACKETS

- RT LONGITUDINAL WAVES
- PACKETS (COMMUNICATION)
- PLASMA WAVES
- QUANTUM MECHANICS
- TRANSVERSE WAVES

### WAVE PROPAGATION

- UF KIRCHHOFF-HUYGENS PRINCIPLE
- GS TRANSMISSION

**WAVE PROPAGATION-(CONT.)**

- . **WAVE PROPAGATION**
  - . . . ACOUSTIC PROPAGATION
  - . . . DIFFRACTION PROPAGATION
  - . . . GROUND WAVE PROPAGATION
  - . . . IONOSPHERIC PROPAGATION
  - . . . IONOSPHERIC F-SCATTER PROPAGATION
  - . . . LIGHT SCATTERING
  - . . . HALOS
  - . . . SCATTER PROPAGATION
  - . . . IONOSPHERIC F-SCATTER PROPAGATION
  - . . . SHOCK WAVE PROPAGATION
  - . . . TRANSEQUATORIAL PROPAGATION
- RT ACOUSTIC ATTENUATION
- ACOUSTIC MICROSCOPES
- ATMOSPHERIC ATTENUATION
- ATTENUATION
- AUTOMATIC PICTURE TRANSMISSION
- BEAM WAVEGUIDES
- ∞ COHERENCE
- COHERENT RADIATION
- ∞ CONDUCTION
- DIFFRACTION
- DOUBLE SIDEBAND TRANSMISSION
- ELECTROMAGNETIC ABSORPTION
- ELECTROMAGNETIC WAVE TRANSMISSION
- GEOMETRICAL ACOUSTICS
- GROUP VELOCITY
- HUYGENS PRINCIPLE
- HYDRAULIC ANALOGIES
- ION ACOUSTIC WAVES
- LAME WAVE EQUATIONS
- LIGHT TRANSMISSION
- LOSSY MEDIA
- MICROWAVE ATTENUATION
- MICROWAVE TRANSMISSION
- MULTIPATH TRANSMISSION
- NONADIABATIC THEORY
- PHASE VELOCITY
- PLASMA ACCELERATION
- PLASMA GUIDES
- ∞ PROPAGATION
- PROPAGATION MODES
- PROPAGATION VELOCITY
- PULSE DIFFRACTION
- RADAR ATTENUATION
- RADAR TRANSMISSION
- RADIO ATTENUATION
- RADIO TRANSMISSION
- REFRACTION
- SAGNAC EFFECT
- SCREEN EFFECT
- SHOCK FRONTS
- SHOCK WAVE ATTENUATION
- SHORT WAVE RADIO TRANSMISSION
- SINGLE SIDEBAND TRANSMISSION
- SOUND TRANSMISSION
- SQUARE WAVES
- STRESS WAVES
- TELEVISION TRANSMISSION
- WAVEFORMS
- WHITHAM RULE

**WAVE RADIATION**

- USE ELECTROMAGNETIC RADIATION

**WAVE REFLECTION**

- GS REFLECTION
  - . **WAVE REFLECTION**
    - . . . MACH REFLECTION
- RT GROUND EFFECT (COMMUNICATIONS)
- REFLECTED WAVES
- SIGNAL REFLECTION
- SPREAD REFLECTION

**WAVE RESISTANCE**

- RT BLAST LOADS
- EROSION
- IMPACT STRENGTH
- ∞ RESISTANCE
- STRUCTURAL STABILITY

**WAVE SCATTERING**

- GS SCATTERING
  - . **WAVE SCATTERING**
    - . . . ACOUSTIC SCATTERING
    - . . . REVERBERATION
    - . . . ATMOSPHERIC SCATTERING
    - . . . TROPOSPHERIC SCATTERING
    - . . . ELECTROMAGNETIC SCATTERING
    - . . . IONOSPHERIC F-SCATTER PROPAGATION

**WAVE SCATTERING-(CONT.)**

- . . . LIGHT SCATTERING
- . . . HALOS
- . . . MICROWAVE SCATTERING
- . . . MIE SCATTERING
- . . . RAYLEIGH SCATTERING
- . . . RAMAN SPECTRA
- . . . THOMSON SCATTERING
- . . . X RAY SCATTERING
- RT FADDEEV EQUATIONS
- MAGNETIC DISPERSION
- RECIPROCITY THEOREM
- SCATTERING AMPLITUDE
- SCATTEROMETERS
- SHOCK FRONTS

**WAVEFORMS**

- GS **WAVEFORMS**
  - . PULSE AMPLITUDE
  - . PULSE DURATION
  - . SAWTOOTH WAVEFORMS
  - . SQUARE WAVES
- RT FORM FACTORS
- SPEECH BASEBAND COMPRESSION
- TIME FUNCTIONS
- WAVE PROPAGATION

**WAVEGUIDE ANTENNAS**

- GS ANTENNAS
  - . **WAVEGUIDE ANTENNAS**
    - . . . HORN ANTENNAS
- RT LENS ANTENNAS
- MICROSTRIP ANTENNAS
- MICROWAVE ANTENNAS
- MONOPULSE ANTENNAS
- RADANT
- SLOT ANTENNAS
- YAGI ANTENNAS

**WAVEGUIDE FILTERS**

- GS ELECTROMAGNETIC WAVE FILTERS
  - . ELECTRIC FILTERS
  - . . **WAVEGUIDE FILTERS**
- RT BANDSTOP FILTERS
- MICROWAVE FILTERS
- RADAR FILTERS
- WAVEGUIDES

**WAVEGUIDE LASERS**

- GS STIMULATED EMISSION DEVICES
  - . LASERS
  - . . **WAVEGUIDE LASERS**
    - . . . CARBON DIOXIDE LASERS
    - . . . GALLIUM ARSENIDE LASERS
    - . . . HETEROJUNCTION DEVICES
    - . . . INFRARED LASERS
    - . . . LASER MODES
    - . . . LASER OUTPUTS
    - . . . OPTICAL WAVEGUIDES
    - . . . PULSED LASERS
    - . . . SEMICONDUCTOR LASERS
    - . . . TUBE LASERS
- RT

**WAVEGUIDE TUNERS**

- GS TUNERS
  - . **WAVEGUIDE TUNERS**
    - . . . IMPEDANCE MATCHING
    - . . . MODE TRANSFORMERS
- RT YTTRIUM-IRON GARNET

**WAVEGUIDE WINDOWS**

- RT IMPEDANCE MATCHING
- IRISES (MECHANICAL APERTURES)
- ∞ WINDOWS

**WAVEGUIDES**

- GS TRANSMISSION LINES
  - . COMMUNICATION CABLES
  - . . **WAVEGUIDES**
    - . . . BEAM WAVEGUIDES
    - . . . CIRCULAR WAVEGUIDES
    - . . . OPTICAL WAVEGUIDES
    - . . . OPTICAL FIBERS
    - . . . PLASMA GUIDES
    - . . . RECTANGULAR WAVEGUIDES
- RT ANTENNA FEEDS
- COAXIAL CABLES
- CROSSED FIELDS
- ELECTROMAGNETIC SURFACE WAVES
- GYRATORS
- IRISES (MECHANICAL APERTURES)
- MICROWAVE SWITCHING
- PARALLEL PLATES
- PROPAGATION MODES
- SMITH CHART

**WAVEGUIDES-(CONT.)**

WAVEGUIDE FILTERS

**WAVELENGTH DIVISION MULTIPLEXING**

- GS TRANSMISSION
  - . MULTIPLEXING
  - . . **WAVELENGTH DIVISION MULTIPLEXING**
- RT CODE DIVISION MULTIPLEXING
- DEMULTIPLEXING
- FREQUENCY DIVISION MULTIPLEXING
- ORTHOGONAL MULTIPLEXING THEORY
- TIME DIVISION MULTIPLEXING

**WAVELENGTHS**

- GS **WAVELENGTHS**
  - . DE BROGLIE WAVELENGTHS
- RT ANTINODES
- HARMONICS
- INFRARED RADIATION
- LASER MODES
- LASER OUTPUTS
- LONGITUDINAL WAVES
- MASER OUTPUTS
- MILLIMETER WAVES
- NODES (STANDING WAVES)
- SPECTRAL EMISSION
- STANDING WAVES
- STOKES LAW OF RADIATION
- SUBMILLIMETER WAVES

**WAVERIDERS**

- GS AERODYNAMIC CONFIGURATIONS
  - . **WAVERIDERS**
- RT AIRFOILS
- CARET WINGS
- DELTA WINGS
- HYPERSONIC FLIGHT
- HYPERSONIC VEHICLES
- LIFTING BODIES

**∞ WAVES**

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- UF CRESTS
- RT WAVE MOTION
- BAROCLINIC WAVES
- BREAKWATERS
- CNOIDAL WAVES
- CORRUGATING
- CYLINDRICAL WAVES
- DETONATION WAVES
- DILATATIONAL WAVES
- EIKONAL EQUATION
- ELASTIC WAVES
- ELECTROACOUSTIC WAVES
- ELECTROMAGNETIC RADIATION
- ELECTROMAGNETIC SURFACE WAVES
- FRONTAL WAVES
- GRAVITATIONAL WAVES
- INTERNAL WAVES
- IONIC WAVES
- KILOMETRIC WAVES
- LITTORAL TRANSPORT
- LONGITUDINAL WAVES
- NODES (STANDING WAVES)
- PLANE WAVES
- PLANETARY WAVES
- REFRACTED WAVES
- SEISMIC WAVES
- SHOCK WAVES
- SINE WAVES
- SOUND WAVES
- SPHERICAL WAVES
- SQUARE WAVES
- STANDING WAVES
- STRESS WAVES
- SURFACE WAVES
- SURGES
- TIDAL WAVES
- TRANSVERSE WAVES
- TROPOSPHERIC WAVES
- VIBRATION
- WATER WAVES
- WATERWAVE ENERGY
- WAVE AMPLIFICATION
- WAVE EXCITATION
- WAVE FRONTS

**WAXES**

- GS **WAXES**
  - . CERESIN
- RT ALKANES
- COATINGS

## WEAK ENERGY INTERACTIONS

### WAXES-(CONT.)

- CRUDE OIL
- FINISHES
- PHASE CHANGE MATERIALS

### WEAK ENERGY INTERACTIONS

- GS DECAY
  - WEAK ENERGY INTERACTIONS
  - WEAK INTERACTIONS (FIELD THEORY)
  - PARTICLE INTERACTIONS
  - ELEMENTARY PARTICLE INTERACTIONS
  - WEAK ENERGY INTERACTIONS
  - WEAK INTERACTIONS (FIELD THEORY)
- RT BETA PARTICLES
- GRAND UNIFIED THEORY
- GRAVITINOS
- INTERACTIONS
- PARTICLE THEORY

### WEAK INTERACTIONS (FIELD THEORY)

- UF BETA INTERACTIONS
- GS DECAY
  - WEAK ENERGY INTERACTIONS
  - WEAK INTERACTIONS (FIELD THEORY)
  - FIELD THEORY (PHYSICS)
  - WEAK INTERACTIONS (FIELD THEORY)
  - NUCLEAR REACTIONS
  - NUCLEAR INTERACTIONS
  - WEAK INTERACTIONS (FIELD THEORY)
  - PARTICLE INTERACTIONS
  - ELEMENTARY PARTICLE INTERACTIONS
  - WEAK ENERGY INTERACTIONS
  - WEAK INTERACTIONS (FIELD THEORY)
  - NUCLEAR INTERACTIONS
  - WEAK INTERACTIONS (FIELD THEORY)
- RT GRAND UNIFIED THEORY
- INTERACTIONS
- STRONG INTERACTIONS (FIELD THEORY)
- THEORIES

### WEAPON SYSTEM MANAGEMENT

- GS MANAGEMENT
  - WEAPON SYSTEM MANAGEMENT
- RT PROJECT MANAGEMENT
- SYSTEMS

### WEAPON SYSTEM 107A-1

- GS WEAPON SYSTEMS
  - WEAPON SYSTEM 107A-1

### WEAPON SYSTEM 107A-2

- GS WEAPON SYSTEMS
  - WEAPON SYSTEM 107A-2

### WEAPON SYSTEM 133A

- GS WEAPON SYSTEMS
  - WEAPON SYSTEM 133A

### WEAPON SYSTEM 133B

- GS WEAPON SYSTEMS
  - WEAPON SYSTEM 133B

### WEAPON SYSTEM 315A

- GS WEAPON SYSTEMS
  - WEAPON SYSTEM 315A

### WEAPON SYSTEMS

- GS WEAPON SYSTEMS
  - GROUND OPERATIONAL SUPPORT SYSTEM
  - LASER WEAPONS
  - MISSILE SYSTEMS
  - NIKE X SYSTEMS
  - SAFEGUARD SYSTEM
  - SENTINEL SYSTEM
  - SUCCESS PROJECT
  - TYPHON WEAPON SYSTEM
  - WEAPON SYSTEM 107A-1
  - WEAPON SYSTEM 107A-2
  - WEAPON SYSTEM 133A
  - WEAPON SYSTEM 133B
  - WEAPON SYSTEM 315A
- RT AIR TO SURFACE MISSILES
- ANTISHIP MISSILES
- FIRE CONTROL

### WEAPON SYSTEMS-(CONT.)

- HARPOON MISSILE
- MILITARY AIRCRAFT
- MILITARY SPACECRAFT
- MISSILE LAUNCHERS
- MISSILES
- MOBILE MISSILE LAUNCHERS
- NUCLEAR WEAPONS
- ORDNANCE
- PANAVIA MILITARY AIRCRAFT
- ROCKETS
- SPACE WEAPONS
- SYSTEMS
- WEAPONS
- WEAPONS DEVELOPMENT

### WEAPONS

- GS WEAPONS
  - FUSION WEAPONS
  - GUNS (ORDNANCE)
  - ARTILLERY
  - HOWITZERS
  - RIFLES
  - LASER WEAPONS
  - MINES (ORDNANCE)
  - NUCLEAR WEAPONS
  - FISSION WEAPONS
  - SPACE WEAPONS
  - WARHEADS
  - NUCLEAR WARHEADS
  - PRECISION GUIDED PROJECTILES
- RT AMMUNITION
- ANTIQUITIES
- ANTISHIP WARFARE
- ARMED FORCES (FOREIGN)
- ARMED FORCES (UNITED STATES)
- BALLISTIC VEHICLES
- DISARMAMENT
- FIRE CONTROL
- GUNNERY TRAINING
- MILITARY TECHNOLOGY
- MISSILES
- ORDNANCE
- PATRIOT MISSILE
- PROJECTILES
- SHAPED CHARGES
- SHRAPNEL
- TANKS (COMBAT VEHICLES)
- TOMAHAWK MISSILES
- TORPEDOES
- WEAPON SYSTEMS
- WEAPONS DELIVERY
- WING-FUSELAGE STORES

### WEAPONS DELIVERY

- GS DELIVERY
  - WEAPONS DELIVERY
- RT AIR DEFENSE
  - AIRCRAFT
  - DEFENSE PROGRAM
  - MILITARY TECHNOLOGY
  - MISSILE DEFENSE
  - NUCLEAR WEAPONS
  - ROCKETS
  - SPACE WEAPONS
  - WEAPONS

### WEAPONS DEVELOPMENT

- GS PRODUCT DEVELOPMENT
  - WEAPONS DEVELOPMENT
- RT RESEARCH AND DEVELOPMENT
- WEAPON SYSTEMS

### WEAPONS INDUSTRY

- GS INDUSTRIES
  - DEFENSE INDUSTRY
  - WEAPONS INDUSTRY
- RT ARMED FORCES (UNITED STATES)
- MILITARY TECHNOLOGY

### WEAR

- RT ABRASION
- CHIPPING
- CORROSION
- DAMAGE
- DEPRECIATION
- DETERIORATION
- DURABILITY
- EROSION
- FAILURE
- FLAKING
- FRETTING CORROSION
- FRICTION
- GRINDING (MATERIAL REMOVAL)
- HARDNESS

### WEAR-(CONT.)

- REMOVAL
- SCORING
- SLIDING FRICTION
- SPALLING
- SURFACE FINISHING
- SURFACES
- SYSTEM FAILURES
- TRIBOLOGY
- WEAR RESISTANCE

### WEAR INHIBITORS

- GS INHIBITORS
  - WEAR INHIBITORS
- RT RETARDANTS
- WEAR RESISTANCE

### WEAR RESISTANCE

- GS MECHANICAL PROPERTIES
  - WEAR RESISTANCE
  - ABRASION RESISTANCE
- RT ABRASION
- BOUNDARY LUBRICATION
- COEFFICIENT OF FRICTION
- DETERIORATION
- HARDNESS
- LUBRICANT TESTS
- RESISTANCE
- SLIDING FRICTION
- TOUGHNESS
- WEAR
- WEAR INHIBITORS
- WEAR TESTS

### WEAR TESTS

- RT CUMULATIVE DAMAGE
- DESTRUCTIVE TESTS
- EROSION
- FERROGRAPHY
- FRETTING
- FRICTION
- HARDNESS TESTS
- MATERIALS TESTS
- QUALITY CONTROL
- SPALLING
- STATIC TESTS
- TESTS
- WEAR RESISTANCE

### WEATHER

- UF WEATHER CONDITIONS
- GS WEATHER
  - COLD WEATHER
  - HOT WEATHER
- RT AIRCRAFT ACCIDENTS
- AIRCRAFT HAZARDS
- AIRCRAFT SAFETY
- ALPINE METEOROLOGY
- ANNUAL VARIATIONS
- ANVIL CLOUDS
- ATMOSPHERIC & OCEANOGRAPHIC INFORM SYS
- ATMOSPHERIC PRESSURE
- ATMOSPHERIC TEMPERATURE
- CAP CLOUDS
- CIRROCUMULUS CLOUDS
- CIRROSTRATUS CLOUDS
- CLIMATE
- CLIMATOLOGY
- CLOUDS (METEOROLOGY)
- FLIGHT HAZARDS
- FLIGHT PLANS
- GLOBAL ATMOSPHERIC RESEARCH PROGRAM
- LONG TERM EFFECTS
- METEOROLOGICAL PARAMETERS
- METEOROLOGY
- METEOSAT SATELLITE
- NAVIGATION AIDS
- PRECIPITATION (METEOROLOGY)
- RUNWAY CONDITIONS
- SEASONS
- SOLAR COMPASSES
- SOLAR TERRESTRIAL INTERACTIONS
- WIND (METEOROLOGY)

### WEATHER CHARTS

- USE METEOROLOGICAL CHARTS

### WEATHER CONDITIONS

- USE WEATHER

### WEATHER CONTROL

- USE WEATHER MODIFICATION

## WEIGHT ANALYSIS

### WEATHER DATA RECORDERS

GS MEASURING INSTRUMENTS  
 . METEOROLOGICAL INSTRUMENTS  
 . . **WEATHER DATA RECORDERS**  
 RECORDING INSTRUMENTS  
 . **WEATHER DATA RECORDERS**  
 RT AUTOMATIC WEATHER STATIONS  
 ∞ DATA  
 TELEMETRY

### WEATHER FORECASTING

GS FORECASTING  
 . **WEATHER FORECASTING**  
 . . LONG RANGE WEATHER  
 FORECASTING  
 . . NOWCASTING  
 . . NUMERICAL WEATHER FORECASTING  
 . . STATISTICAL WEATHER  
 FORECASTING  
 METEOROLOGY  
 . **WEATHER FORECASTING**  
 . . LONG RANGE WEATHER  
 FORECASTING  
 . . NOWCASTING  
 . . NUMERICAL WEATHER FORECASTING  
 . . STATISTICAL WEATHER  
 FORECASTING  
 RT AIR MASSES  
 ATMOSPHERIC MODELS  
 CIRRUS SHIELDS  
 CLOUD COVER  
 COLD FRONTS  
 ENVIRONMENTAL MONITORING  
 FLIGHT CONDITIONS  
 FLOOD PREDICTIONS  
 GARP ATLANTIC TROPICAL EXPERIMENT  
 HUMIDITY  
 METEOROLOGICAL BALLOONS  
 METEOROLOGICAL FLIGHT  
 METEOROLOGICAL RADAR  
 METEOROLOGICAL SATELLITES  
 METEOROLOGICAL SERVICES  
 NEPHANALYSIS  
 PRECIPITATION (METEOROLOGY)  
 SNOWSTORMS  
 STORMS  
 STORMS (METEOROLOGY)  
 SYNOPTIC METEOROLOGY  
 WARM FRONTS  
 WIND (METEOROLOGY)

### WEATHER FRONTS

USE FRONTS (METEOROLOGY)

### WEATHER MAPS

USE METEOROLOGICAL CHARTS

### WEATHER MODIFICATION

UF WEATHER CONTROL  
 GS **WEATHER MODIFICATION**  
 . CLOUD DISPERSAL  
 . CLOUD SEEDING  
 . FOG DISPERSAL  
 . LIGHTNING SUPPRESSION  
 . RAINMAKING  
 . STORM ENHANCEMENT  
 . STORM SUPPRESSION  
 RT ARTIFICIAL CLOUDS  
 CLOUD PHYSICS  
 ∞ CONTROL  
 ENVIRONMENTAL CONTROL  
 HEAT ISLANDS  
 SNOWSTORMS

### WEATHER RADAR

USE METEOROLOGICAL RADAR

### WEATHER RECONNAISSANCE AIRCRAFT

GS RECONNAISSANCE AIRCRAFT  
 . **WEATHER RECONNAISSANCE**  
 AIRCRAFT  
 RT ∞ AIRCRAFT  
 GLOBAL ATMOSPHERIC RESEARCH  
 PROGRAM  
 METEOROLOGICAL INSTRUMENTS  
 OBSERVATION AIRCRAFT  
 RB-50 AIRCRAFT

### WEATHER STATIONS

UF METEOROLOGICAL STATIONS  
 GS STATIONS  
 . **WEATHER STATIONS**  
 . . AUTOMATIC WEATHER STATIONS  
 RT GROUND STATIONS  
 INSTRUMENT PACKAGES

### WEATHER STATIONS-(CONT.)

INTEGRATED GLOBAL OCEAN STATION  
 SYSTEMS  
 METEOROLOGICAL INSTRUMENTS  
 METEOROLOGICAL SATELLITES  
 METEOROLOGICAL SERVICES  
 OCEAN DATA ACQUISITIONS SYSTEMS

### WEATHERING

RT CORROSION  
 CORROSION TESTS  
 CURING  
 DAMAGE  
 DEGRADATION  
 DETERIORATION  
 EARTH ATMOSPHERE  
 EROSION  
 EXPOSURE  
 MECHANICAL PROPERTIES  
 RUSTING  
 SOIL EROSION

### WEATHERPROOFING

RT COATINGS  
 COLD WEATHER  
 CORROSION PREVENTION  
 MOISTURE RESISTANCE  
 PACKAGING  
 PRESERVING  
 WATERPROOFING

### WEAVING

RT FABRICS  
 SEWING

### WEBBING

RT FABRICS  
 MESH  
 ∞ WEBS  
 WEBS (SHEETS)

### WEBER TEST

GS PHYSIOLOGICAL TESTS  
 . **WEBER TEST**  
 RT AUDITORY PERCEPTION  
 BINAURAL HEARING

### WEBER-FECHNER LAW

GS LAWS  
 . **WEBER-FECHNER LAW**

### ∞ WEBS

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT MEMBRANES  
 MESH  
 WEBBING  
 WEBS (SHEETS)  
 WEBS (SUPPORTS)

### WEBS (MEMBRANES)

USE MEMBRANES

### WEBS (SHEETS)

SN (EXCLUDES POLYMERIC FILMS AND  
 STRUCTURAL REINFORCEMENTS)  
 RT DIAPHRAGMS (MECHANICS)  
 ELASTIC SHEETS  
 FABRICS  
 ∞ FILMS  
 MEMBRANES  
 PAPER (MATERIAL)  
 PAPERS  
 ∞ ROVINGS  
 ∞ SHEETS  
 WEBBING  
 WEBS (SUPPORTS)

### WEBS (SUPPORTS)

GS **WEBS (SUPPORTS)**  
 . GIRDER WEBS  
 RT DIAPHRAGMS (MECHANICS)  
 ELASTIC SHEETS  
 MEMBRANE STRUCTURES  
 MEMBRANES  
 RIBS (SUPPORTS)  
 SKIN (STRUCTURAL MEMBER)  
 STIFFENING  
 WEBS (SHEETS)

### WEDGE FLOW

GS FLUID FLOW  
 . **WEDGE FLOW**

### WEDGE FLOW-(CONT.)

RT BLASIUS FLOW  
 CONICAL FLOW  
 FALKNER-SKAN EQUATION  
 FLOW GEOMETRY  
 LAMINAR FLOW  
 SHOCK WAVES  
 SUPERSONIC FLOW  
 THREE DIMENSIONAL FLOW  
 TWO DIMENSIONAL FLOW  
 VISCOUS FLOW

### WEDGES

RT AERODYNAMIC CONFIGURATIONS  
 AIRFOIL PROFILES  
 AIRFOILS

### WEIBEL INSTABILITY

GS DYNAMIC CHARACTERISTICS  
 . DYNAMIC STABILITY  
 . . MOTION STABILITY  
 . . . FLOW STABILITY  
 . . . . MAGNETOHYDRODYNAMIC  
 STABILITY  
 . . . . **WEIBEL INSTABILITY**  
 . . . . . DYNAMIC CHARACTERISTICS  
 . . . . . FLOW CHARACTERISTICS  
 . . . . . FLOW STABILITY  
 . . . . . MAGNETOHYDRODYNAMIC  
 STABILITY  
 . . . . . **WEIBEL INSTABILITY**  
 STABILITY  
 . DYNAMIC STABILITY  
 . . MOTION STABILITY  
 . . . FLOW STABILITY  
 . . . . MAGNETOHYDRODYNAMIC  
 STABILITY  
 . . . . . **WEIBEL INSTABILITY**  
 RT PLASMA INTERACTIONS

### WEIBULL DENSITY FUNCTIONS

GS FUNCTIONS (MATHEMATICS)  
 . PROBABILITY DENSITY FUNCTIONS  
 . . **WEIBULL DENSITY FUNCTIONS**  
 STATISTICAL ANALYSIS  
 . PROBABILITY DENSITY FUNCTIONS  
 . . **WEIBULL DENSITY FUNCTIONS**  
 RT EXPONENTIAL FUNCTIONS  
 FATIGUE TESTS  
 SAMPLING

### WEIERSTRASS FUNCTIONS

GS ANALYSIS (MATHEMATICS)  
 . REAL VARIABLES  
 . . **WEIERSTRASS FUNCTIONS**  
 RT ELLIPTIC FUNCTIONS  
 JACOBI INTEGRAL

### ∞ WEIGHT

SN *(USE OF A MORE SPECIFIC TERM IS  
 RECOMMENDED--CONSULT THE TERMS  
 LISTED BELOW)*  
 RT ATOMIC WEIGHTS  
 BIOMASS  
 COEFFICIENTS  
 PAYLOADS  
 WEIGHT (MASS)

### WEIGHT (MASS)

UF WEIGHT FACTORS  
 GS **WEIGHT (MASS)**  
 . ATOMIC WEIGHTS  
 . BIOMASS  
 . BODY WEIGHT  
 . ORGAN WEIGHT  
 . STRUCTURAL WEIGHT  
 RT CENTER OF MASS  
 ∞ FORCE  
 GRAVITATION  
 LOADS (FORCES)  
 LOW MOLECULAR WEIGHTS  
 MASCONS  
 MASS  
 MOLECULAR WEIGHT  
 PAYLOADS  
 PRESSURE  
 VOLUME  
 ∞ WEIGHT

### WEIGHT ANALYSIS

RT ∞ ANALYZING  
 NEW MOONS PROJECT  
 PREFLIGHT ANALYSIS  
 STRUCTURAL WEIGHT  
 SYSTEMS ANALYSIS

## WEIGHT FACTORS

### WEIGHT FACTORS

USE WEIGHT (MASS)

### WEIGHT INDICATORS

UF WIND TUNNEL BALANCES  
GS MEASURING INSTRUMENTS  
... INDICATING INSTRUMENTS  
... **WEIGHT INDICATORS**  
... MICROBALANCES  
... STRAIN GAGE BALANCES  
... THERMOBALANCES  
RT BALANCE  
MECHANICAL MEASUREMENT  
PRESSURE GAGES  
PRESSURE MEASUREMENT  
∞ SCALE  
STRAIN GAGES  
TENSOMETERS

### WEIGHT MEASUREMENT

UF MICROWEIGHING  
RT DENSITY (MASS/VOLUME)  
HYDROMETERS  
∞ MEASUREMENT

### WEIGHT REDUCTION

RT AIRCRAFT DESIGN  
SPACECRAFT DESIGN  
STRUCTURAL DESIGN  
STRUCTURAL WEIGHT  
SYSTEMS ANALYSIS

### WEIGHTING FUNCTIONS

GS ANALYSIS (MATHEMATICS)  
... REAL VARIABLES  
... MEASURE AND INTEGRATION  
... **WEIGHTING FUNCTIONS**  
FUNCTIONS (MATHEMATICS)  
... **WEIGHTING FUNCTIONS**  
RT STATISTICAL MECHANICS

### WEIGHTLESS FLUIDS

RT ∞ FLUIDS  
VISCOUS FLUIDS

### WEIGHTLESSNESS

UF ZERO GRAVITY  
RT AEROSPACE MEDICINE  
ARTIFICIAL GRAVITY  
ASTRONAUT PERFORMANCE  
∞ ASTRONAUTICS  
BIOPROCESSING  
BLACKOUT PREVENTION  
BODY WEIGHT  
BONE DEMINERALIZATION  
CONTAINERLESS MELTS  
DISORIENTATION  
DROP TOWERS  
ELECTROLYTE METABOLISM  
ENVIRONMENTS  
EXTRAVEHICULAR ACTIVITY  
FLIGHT STRESS (BIOLOGY)  
FREE FALL  
GRAVITATION  
GRAVITATIONAL EFFECTS  
INTRAVEHICULAR ACTIVITY  
LIFE SUPPORT SYSTEMS  
LOW WEIGHT  
LOWER BODY NEGATIVE PRESSURE  
NEUTRAL BUOYANCY SIMULATION  
PARABOLIC FLIGHT  
SPACE ADAPTATION SYNDROME  
SPACE FLIGHT STRESS  
SPACE MANUFACTURING  
SPACE PROCESSING APPLICATIONS  
ROCKET  
SPACEBORNE EXPERIMENTS  
SPACECRAFT ENVIRONMENTS  
SUBORBITAL FLIGHT

### WEIGHTLESSNESS SIMULATION

GS SIMULATION  
... ENVIRONMENT SIMULATION  
... SPACE ENVIRONMENT SIMULATION  
... **WEIGHTLESSNESS SIMULATION**  
... NEUTRAL BUOYANCY SIMULATION  
RT FLIGHT SIMULATION  
HEAD DOWN TILT  
LANGLEY COMPLEX COORDINATOR  
PARABOLIC FLIGHT  
SUBMERGING

### WELD STRENGTH

GS MECHANICAL PROPERTIES  
... **WELD STRENGTH**

### WELD STRENGTH-(CONT.)

RT ∞ STRENGTH  
WELDABILITY  
WELDED JOINTS

### WELD TESTS

RT FATIGUE TESTS  
∞ TESTS  
WELDED JOINTS

### WELDABILITY

RT BRITTLENESS  
DUCTILITY  
HEAT AFFECTED ZONE  
WELD STRENGTH

### WELDED JOINTS

GS JOINTS (JUNCTIONS)  
... METAL JOINTS  
... **WELDED JOINTS**  
... SPOT WELDS  
RT BEADS  
BUTT JOINTS  
LAP JOINTS  
RIVETED JOINTS  
WELD STRENGTH  
WELD TESTS  
WELDING

### WELDED STRUCTURES

GS **WELDED STRUCTURES**  
... STEEL STRUCTURES  
RT RIGID STRUCTURES  
∞ STRUCTURES

### WELDING

GS **WELDING**  
... COLD WELDING  
... ELECTRIC WELDING  
... ARC WELDING  
... GAS TUNGSTEN ARC WELDING  
... PLASMA ARC WELDING  
... ELECTRON BEAM WELDING  
... ELECTROSLAG WELDING  
... FLASH WELDING  
... FRICTION WELDING  
... LASER WELDING  
... FUSION WELDING  
... GAS WELDING  
... BRAZING  
... LOW TEMPERATURE BRAZING  
... PRESSURE WELDING  
... DIFFUSION WELDING  
... EXPLOSIVE WELDING  
... ULTRASONIC WELDING  
RT BACKUPS  
BEADS  
BONDING  
CONSTRUCTION  
FILLET  
FLAME PLATING  
FLUXES  
FUSIBILITY  
HEAT AFFECTED ZONE  
∞ JOINING  
METAL BONDING  
METAL-METAL BONDING  
SEALING  
SOLDERING  
TORCHES  
WELDED JOINTS

### WELDING MACHINES

RT ∞ ELECTRIC EQUIPMENT  
ELECTRIC WELDING  
∞ MACHINERY  
TORCHES

### WELLS

RT AQUIFERS  
DRILLING  
GROUND WATER  
LIMNOLOGY  
OASES  
SPRINGS (WATER)  
SQUARE WELLS  
STRATIGRAPHY

### WENTZEL-KRAMER-BRILLOUIN METHOD

UF WKB APPROXIMATION  
RT DE BROGLIE WAVELENGTHS  
∞ METHODOLOGY  
PERTURBATION THEORY  
PLANCKS CONSTANT  
SCHROEDINGER EQUATION

### WESER AIRCRAFT

RT ∞ AIRCRAFT  
HELICOPTERS  
ROTARY WING AIRCRAFT  
V/STOL AIRCRAFT

### WEST COMET

GS CELESTIAL BODIES  
... COMETS  
... **WEST COMET**  
RT SOLAR SYSTEM

### WEST FORD PROJECT

GS PROGRAMS  
... PROJECTS  
... **WEST FORD PROJECT**

### WEST GERMANY

UF FEDERAL REPUBLIC OF GERMANY  
GS NATIONS  
... **WEST GERMANY**  
RT ALPS MOUNTAINS (EUROPE)  
AZUR SATELLITE  
CENTRAL EUROPE  
EAST GERMANY  
EUROPE  
GERMAN INFRARED LABORATORY  
∞ GERMANY

### WEST INDIES

GS LANDFORMS  
... ISLANDS  
... **WEST INDIES**  
... BAHAMAS  
... BARBADOS  
... CUBA  
... DOMINICA  
... GUADELOUPE  
... HAITI  
... JAMAICA  
... LESSER ANTILLES  
... MARTINIQUE  
... PUERTO RICO  
... TRINIDAD AND TOBAGO  
... VIRGIN ISLANDS  
RT ATLANTIC OCEAN  
CARIBBEAN REGION

### WEST VIRGINIA

GS NATIONS  
... UNITED STATES  
... **WEST VIRGINIA**  
RT ALLEGHENY PLATEAU (US)  
OHIO RIVER (US)  
POTOMAC RIVER VALLEY (MD-VA-WV)

### WESTAR SATELLITES

GS ARTIFICIAL SATELLITES  
... COMMUNICATION SATELLITES  
... **WESTAR SATELLITES**  
RT POINT TO POINT COMMUNICATION  
TELECOMMUNICATION  
TELEGRAPH SYSTEMS

### WESTERN HEMISPHERE

RT EARTH (PLANET)  
EASTERN HEMISPHERE  
GEOGRAPHY

### WESTLAND AIRCRAFT

GS **WESTLAND AIRCRAFT**  
... P-531 HELICOPTER  
... WESTLAND WHIRLWIND HELICOPTER  
RT ∞ AIRCRAFT  
HELICOPTERS  
ROTARY WING AIRCRAFT  
V/STOL AIRCRAFT

### WESTLAND GROUND EFFECT MACHINES

UF SR-N2 GROUND EFFECT MACHINE  
SR-N3 GROUND EFFECT MACHINE  
SR-N5 GROUND EFFECT MACHINE  
WESTLAND SR-N2 GROUND EFFECT  
MACHINE  
WESTLAND SR-N2 HOVERCRAFT  
WESTLAND SR-N3 GROUND EFFECT  
MACHINE  
WESTLAND SR-N3 HOVERCRAFT  
WESTLAND SR-N5 GROUND EFFECT  
MACHINE  
GS GROUND EFFECT MACHINES  
... **WESTLAND GROUND EFFECT  
MACHINES**  
RT ∞ AIRCRAFT

## WHITE DWARF STARS

### WESTLAND MK-10 HELICOPTER

USE WESTLAND WHIRLWIND HELICOPTER

### WESTLAND P-531 HELICOPTER

USE P-531 HELICOPTER

### WESTLAND SR-N2 GROUND EFFECT MACHINE

USE WESTLAND GROUND EFFECT MACHINES

### WESTLAND SR-N2 HOVERCRAFT

USE WESTLAND GROUND EFFECT MACHINES

### WESTLAND SR-N3 GROUND EFFECT MACHINE

USE WESTLAND GROUND EFFECT MACHINES

### WESTLAND SR-N3 HOVERCRAFT

USE WESTLAND GROUND EFFECT MACHINES

### WESTLAND SR-N5 GROUND EFFECT MACHINE

USE WESTLAND GROUND EFFECT MACHINES

### WESTLAND WHIRLWIND HELICOPTER

UF WESTLAND MK-10 HELICOPTER

WHIRLWIND MK-10 HELICOPTER

GS UTILITY AIRCRAFT

. WESTLAND WHIRLWIND HELICOPTER

V/STOL AIRCRAFT

. ROTARY WING AIRCRAFT

. . . HELICOPTERS

. . . WESTLAND WHIRLWIND

HELICOPTER

WESTLAND AIRCRAFT

. WESTLAND WHIRLWIND HELICOPTER

RT  $\infty$  AIRCRAFT

### WET CELLS

GS ELECTROCHEMICAL CELLS

. ELECTRIC BATTERIES

. . . WET CELLS

RT  $\infty$  ELECTRIC CELLS

ELECTROLYTES

FUEL CELLS

NONAQUEOUS ELECTROLYTES

PRIMARY BATTERIES

### WET SPINNING

RT EXTRUDING

FIBERS

$\infty$  FILAMENTS

$\infty$  PROCESSING

SYNTHETIC FIBERS

TEXTILES

WETTING

### WETLANDS

GS LAND

. WETLANDS

RT COASTAL CURRENTS

COASTAL ECOLOGY

COASTAL PLAINS

COASTAL WATER

ENVIRONMENT EFFECTS

FISHERIES

MARINE BIOLOGY

MARINE ENVIRONMENTS

MARINE RESOURCES

MARSHLANDS

NEARSHORE WATER

OCEANOGRAPHY

OIL POLLUTION

SEA GRASSES

SHORELINES

TIDES

WATER RESOURCES

WATERFOWL

WILDLIFE

### WETNESS

USE MOISTURE CONTENT

### WETTABILITY

RT ADHESION

ADHESION TESTS

FORMATIONS

HYGROSCOPICITY

PERMEABILITY

POROSITY

SURFACE PROPERTIES

WETTING

### WETTING

RT COOLING

DIPPING

FOAMING

### WETTING-(CONT.)

INTERFACIAL TENSION

$\infty$  SATURATION

$\infty$  SOAKING

SOAPS

SPRAYING

SPRINKLING

SUBMERGING

WET SPINNING

WETTABILITY

### WHALES

GS ANIMALS

. VERTEBRATES

. . . MAMMALS

. . . MARINE MAMMALS

. . . . WHALES

### WHARVES

UF PIERS

RT CARGO SHIPS

DAMS

EARTH RESOURCES

FREIGHTERS

HARBORS

MARINE TECHNOLOGY

MATERIALS HANDLING

$\infty$  PORTS

RIVERS

SHIP TERMINALS

TANKER SHIPS

TERMINAL FACILITIES

WATER

### WHEAT

GS FARM CROPS

. GRAINS (FOOD)

. . . WHEAT

RT CROP GROWTH

CROP VIGOR

$\infty$  CROPS

RICE

### WHEATSTONE BRIDGES

GS CIRCUITS

. ELECTRIC BRIDGES

. . . WIRE BRIDGE CIRCUITS

. . . . WHEATSTONE BRIDGES

RT MEASURING INSTRUMENTS

OHMMETERS

### WHEEL BRAKES

GS BRAKES (FOR ARRESTING MOTION)

. WHEEL BRAKES

RT AIRCRAFT BRAKES

AIRCRAFT SAFETY

ANTISKID DEVICES

CONTROLLABILITY

FRICTION

HYDRAULIC EQUIPMENT

LANDING GEAR

TIRES

VEHICLE WHEELS

### WHEELCHAIRS

RT HANDICAPS

HUMAN FACTORS ENGINEERING

LOCOMOTION

RAMPS (STRUCTURES)

### WHEELS

GS WHEELS

. COUNTER-ROTATING WHEELS

. FLYWHEELS

. REACTION WHEELS

. TOROIDAL WHEELS

. TURBINE WHEELS

. VEHICLE WHEELS

. . . NOSE WHEELS

. . . WATER WHEELS

RT BEARINGS

BRAKES (FOR ARRESTING MOTION)

GEARS

HUBS

LANDING GEAR

PULLEYS

ROLLERS

ROTORS

SHAFTS (MACHINE ELEMENTS)

SPOKES

TIRES

### WHIP ANTENNAS

GS ANTENNAS

. OMNIDIRECTIONAL ANTENNAS

### WHIP ANTENNAS-(CONT.)

. . . MONOPOLE ANTENNAS

. . . . WHIP ANTENNAS

RT RADIO ANTENNAS

### WHIPLASH INJURIES

GS INJURIES

. WHIPLASH INJURIES

RT BACK INJURIES

CRASH INJURIES

### WHIRL

USE ROTATION

### WHIRL INSTABILITY

USE ROTARY STABILITY

### WHIRL TOWERS

RT HELICOPTER DESIGN

HOVERING

HOVERING STABILITY

PARACHUTES

ROTARY WINGS

ROTOR AERODYNAMICS

SPIN TESTS

### WHIRLING

USE ROTATION

### WHIRLING TESTS

USE SPIN TESTS

### WHIRLWIND MK-10 HELICOPTER

USE WESTLAND WHIRLWIND HELICOPTER

### WHISKER COMPOSITES

UF METAL WHISKER REINFORCEMENT

COMPOSITE MATERIALS

GS WHISKER COMPOSITES

EUTECTIC ALLOYS

RT METAL MATRIX COMPOSITES

REINFORCING FIBERS

### WHISKERS (CRYSTALS)

GS CRYSTALS

. WHISKERS (CRYSTALS)

RT DENDRITIC CRYSTALS

FIBERS

$\infty$  FILAMENTS

### WHISTLER RECORDERS

GS COMMUNICATION EQUIPMENT

. RADIO RECEIVERS

. . . WHISTLER RECORDERS

RADIO EQUIPMENT

. RADIO RECEIVERS

. . . WHISTLER RECORDERS

RECEIVERS

. RADIO RECEIVERS

. . . WHISTLER RECORDERS

RECORDING INSTRUMENTS

. WHISTLER RECORDERS

RT SONOGRAMS

### WHISTLERS

GS ATMOSPHERIC RADIATION

. IONOSPHERIC NOISE

. . . WHISTLERS

ELECTROMAGNETIC INTERFERENCE

. RADIO FREQUENCY INTERFERENCE

. . . ELECTROMAGNETIC NOISE

. . . . ATMOSPHERICS

. . . . WHISTLERS

. . . . IONOSPHERIC NOISE

. . . . WHISTLERS

ELECTROMAGNETIC RADIATION

. RADIO WAVES

. . . SKY WAVES

. . . . WHISTLERS

RT DAWN CHORUS

ELECTROMAGNETIC FIELDS

LIGHTNING

MICROWAVES

RADIO SIGNALS

SONOGRAMS

### WHITE BLOOD CELLS

USE LEUKOCYTES

### WHITE DWARF STARS

GS CELESTIAL BODIES

. STARS

. . . EARLY STARS

. . . . HOT STARS



## WHITE HOLES (ASTRONOMY)

### WHITE DWARF STARS-(CONT.)

RT . . . . . **WHITE DWARF STARS**  
 CATAclysmic VARIABLES  
 DEGENERATE MATTER  
 DWARF NOVAE  
 DWARF STARS  
 RED DWARF STARS  
 SUBDWARF STARS  
 SUPERNOVA REMNANTS  
 WOLF-RAYET STARS

### WHITE HOLES (ASTRONOMY)

GS CELESTIAL BODIES  
 . STARS  
 . . **WHITE HOLES (ASTRONOMY)**  
 GRAVITATIONAL COLLAPSE  
 . **WHITE HOLES (ASTRONOMY)**  
 RT BLACK HOLES (ASTRONOMY)  
 COSMOLOGY  
 ELECTROMAGNETIC RADIATION  
 GRAVITATIONAL LENSES  
 LIGHT EMISSION  
 NAKED SINGULARITIES  
 SUPERNOVA REMNANTS

### WHITE LIGHT HOLOGRAPHY

GS IMAGERY  
 . HOLOGRAPHY  
 . . **WHITE LIGHT HOLOGRAPHY**  
 PHOTOGRAPHY  
 . HOLOGRAPHY  
 . . **WHITE LIGHT HOLOGRAPHY**  
 RT DATA STORAGE  
 WAVE FRONT RECONSTRUCTION

### WHITE NOISE

UF SPECTRAL NOISE  
 GS ELECTROMAGNETIC INTERFERENCE  
 . RADIO FREQUENCY INTERFERENCE  
 . . ELECTROMAGNETIC NOISE  
 . . . **WHITE NOISE**  
 . . . THERMAL NOISE  
 RT ELECTROMAGNETIC NOISE  
 MEASUREMENT  
 JAMMING  
 ∞ NOISE  
 NOISE (SOUND)  
 NOISE SPECTRA  
 RANDOM NOISE  
 SIGNAL TO NOISE RATIOS  
 SPECTRAL BANDS

### WHITEOUT

RT VISIBILITY  
 VISUAL FLIGHT

### WHITHAM RULE

GS RULES  
 . **WHITHAM RULE**  
 RT SHOCK WAVES  
 WAVE PROPAGATION

### WHITTAKER FUNCTIONS

GS ANALYSIS (MATHEMATICS)  
 . REAL VARIABLES  
 . . **WHITTAKER FUNCTIONS**  
 FUNCTIONS (MATHEMATICS)  
 . **WHITTAKER FUNCTIONS**  
 RT DIFFERENTIAL EQUATIONS

### WICKS

RT FUSES (ORDNANCE)

### WIDE ANGLE LENSES

GS LENSES  
 . **WIDE ANGLE LENSES**  
 OPTICAL EQUIPMENT  
 . **WIDE ANGLE LENSES**  
 RT ALL SKY PHOTOGRAPHY  
 CAMERAS  
 PANORAMIC CAMERAS

### WIDEBAND

USE BROADBAND

### WIDEBAND COMMUNICATION

GS TELECOMMUNICATION  
 . **WIDEBAND COMMUNICATION**  
 BROADBAND AMPLIFIERS  
 CODE DIVISION MULTIPLE ACCESS  
 MULTIPLE ACCESS  
 POINT TO POINT COMMUNICATION  
 TIME DIVISION MULTIPLE ACCESS  
 TROPOSPHERIC SCATTERING

### WIDMANSTATTEN STRUCTURE

GS CRYSTAL STRUCTURE  
 . **WIDMANSTATTEN STRUCTURE**  
 MICROSTRUCTURE  
 . **WIDMANSTATTEN STRUCTURE**  
 RT IRON METEORITES  
 METALLOGRAPHY  
 METEORITIC MICROSTRUCTURES  
 ∞ PATTERNS

### WIDTH

GS DIMENSIONS  
 . **WIDTH**  
 RT BANDWIDTH  
 ∞ SPAN

### WIENER FILTERING

RT ELECTRIC FILTERS  
 OPTIMIZATION  
 STATISTICAL ANALYSIS

### WIENER HOPF EQUATIONS

GS ANALYSIS (MATHEMATICS)  
 . FUNCTIONAL ANALYSIS  
 . . INTEGRAL EQUATIONS  
 . . . **WIENER HOPF EQUATIONS**  
 RT ∞ EQUATIONS

### WIGGLER MAGNETS

GS MAGNETS  
 . **WIGGLER MAGNETS**  
 REFLECTORS  
 . **WIGGLER MAGNETS**  
 RT DIFFRACTION RADIATION  
 FREE ELECTRON LASERS  
 LASER PUMPING  
 TUNABLE LASERS

### WIGHTMAN THEORY

USE FIELD THEORY (PHYSICS)  
 QUANTUM THEORY  
 RELATIVISTIC THEORY

### WIGNER COEFFICIENT

GS COEFFICIENTS  
 . **WIGNER COEFFICIENT**  
 RT ANGULAR MOMENTUM  
 ∞ MECHANICS (PHYSICS)

### WILDERNESS

RT DESERTS  
 FORESTS  
 LAND MANAGEMENT  
 PLAINS  
 REMOTE REGIONS  
 RURAL AREAS

### WILDLIFE

GS ANIMALS  
 . **WILDLIFE**  
 RT BIRDS  
 ENDANGERED SPECIES  
 ENVIRONMENT EFFECTS  
 FISHES  
 HABITATS  
 WETLANDS

### WILDLIFE RADIOLOCATION

GS TRACKING (POSITION)  
 . RADIO TRACKING  
 . . **WILDLIFE RADIOLOCATION**  
 RT ANIMALS  
 BIOINSTRUMENTATION  
 BIOTELEMETRY  
 RADIO TRANSMITTERS  
 REMOTE SENSORS  
 SATELLITE INSTRUMENTS  
 SATELLITE OBSERVATION  
 TRIANGULATION

### WILLISTON BASIN (NORTH AMERICA)

GS LANDFORMS  
 . STRUCTURAL BASINS  
 . . **WILLISTON BASIN (NORTH AMERICA)**  
 RT CANADA  
 MONTANA  
 NORTH AMERICA  
 NORTH DAKOTA

### WINCHES

RT CRANES  
 ELEVATORS (LIFTS)  
 ∞ LIFTS  
 PULLEYS

### WIND (METEOROLOGY)

GS **WIND (METEOROLOGY)**  
 . CIRCUMPOLAR WESTERLIES  
 . GROUND WIND  
 . GUSTS  
 . MONSOONS  
 . SEA BREEZE  
 . SQUALLS  
 . WINDS ALOFT  
 . . GEOSTROPHIC WIND  
 . . . JET STREAMS (METEOROLOGY)  
 RT AEOLIAN TONES  
 AEROLOGY  
 AIR CURRENTS  
 AIR POLLUTION  
 ALPINE METEOROLOGY  
 ANEMOMETERS  
 ATMOSPHERIC CIRCULATION  
 BAROTROPIC FLOW  
 ∞ BARRIERS  
 BLOWING  
 CLIMATOLOGY  
 CYCLONES  
 GRAVITY WAVES  
 HOT-FILM ANEMOMETERS  
 JIMSPHERE BALLOONS  
 MARINE METEOROLOGY  
 MERIDIONAL FLOW  
 MESOSCALE PHENOMENA  
 METEOROLOGY  
 MIXING HEIGHT  
 PRESSURE ICE  
 RIPPLES  
 STORM DAMAGE  
 STORMS  
 STORMS (METEOROLOGY)  
 THUNDERSTORMS  
 TIDAL WAVES  
 TORNADOES  
 UPWELLING WATER  
 VERTICAL AIR CURRENTS  
 WEATHER  
 WEATHER FORECASTING  
 WINDMILLS (WINDPOWERED MACHINES)  
 WINDPOWER UTILIZATION  
 WINDPOWERED GENERATORS  
 ZONAL FLOW (METEOROLOGY)

### WIND CIRCULATION

USE ATMOSPHERIC CIRCULATION

### WIND DIRECTION

RT ATMOSPHERIC CIRCULATION  
 GROUND WIND  
 MERIDIONAL FLOW  
 SEA BREEZE  
 SMOKE TRAILS  
 UPSTREAM  
 UPWELLING WATER  
 WINDMILLS (WINDPOWERED MACHINES)  
 WINDPOWERED GENERATORS  
 ZONAL FLOW (METEOROLOGY)

### WIND EFFECTS

RT ATMOSPHERIC EFFECTS  
 DUNES  
 DUST STORMS  
 ∞ EFFECTS  
 EROSION  
 GROUND WIND  
 PRESSURE EFFECTS  
 SEA BREEZE  
 SEA ROUGHNESS  
 SEA STATES  
 SOIL EROSION  
 TURBULENCE  
 WATER CIRCULATION

### WIND ENERGY

USE WINDPOWER UTILIZATION

### WIND EROSION

GS EROSION  
 . **WIND EROSION**  
 RT ATMOSPHERIC EFFECTS  
 GROUND WIND  
 PENEPLAINS  
 SEA BREEZE  
 WATER EROSION

### WIND MEASUREMENT

GS MECHANICAL MEASUREMENT  
 . **WIND MEASUREMENT**  
 . . WIND VELOCITY MEASUREMENT  
 RT AERODYNAMICS

## WINDOWS (APERTURES)

### WIND MEASUREMENT-(CONT.)

ANEMOMETERS  
HOT-FILM ANEMOMETERS  
∞ MEASUREMENT  
METEOROLOGICAL PARAMETERS  
METEOROLOGY  
RAWINSONDES  
SEA BREEZE  
SMOKE TRAILS

### WIND PRESSURE

GS PRESSURE  
WIND PRESSURE  
RT DYNAMIC LOADS  
GROUND WIND  
GUST LOADS  
LOADS (FORCES)  
WINDPOWER UTILIZATION  
WINDPOWERED GENERATORS

### WIND PROFILES

RT ATMOSPHERIC CIRCULATION  
GROUND WIND  
∞ PROFILES  
RADIAL DISTRIBUTION  
SMOKE TRAILS  
VERTICAL DISTRIBUTION  
ZONAL FLOW (METEOROLOGY)

### WIND RIVER RANGE (WY)

GS LANDFORMS  
MOUNTAINS  
WIND RIVER RANGE (WY)  
RT WYOMING

### WIND SHEAR

UF DUNGEYS WIND SHEAR MECHANISM  
RT AVIATION METEOROLOGY  
BAROTROPIC FLOW  
CLEAR AIR TURBULENCE  
GEOSTROPHIC WIND  
GROUND WIND  
MICROBURSTS (METEOROLOGY)

### WIND TUNNEL APPARATUS

UF WIND TUNNEL BALANCES  
GS WIND TUNNEL APPARATUS  
WIND TUNNEL DRIVES  
WIND TUNNEL NOZZLES  
RT ∞ EQUIPMENT  
SUPERSONIC TEST APPARATUS

### WIND TUNNEL BALANCES

USE WEIGHT INDICATORS  
WIND TUNNEL APPARATUS

### WIND TUNNEL CALIBRATION

GS CALIBRATING  
WIND TUNNEL CALIBRATION  
RT MEASURING INSTRUMENTS  
PRESSURE MEASUREMENT  
SCALING LAWS  
TEMPERATURE MEASUREMENT

### WIND TUNNEL DRIVES

GS WIND TUNNEL APPARATUS  
WIND TUNNEL DRIVES  
RT ∞ DRIVES  
FANS  
MECHANICAL DRIVES  
PLASMA GENERATORS  
PRESSURE CHAMBERS  
VACUUM CHAMBERS

### WIND TUNNEL MODELS

GS MODELS  
WIND TUNNEL MODELS  
POWERED MODELS  
RT AERODYNAMIC CONFIGURATIONS  
AIRCRAFT MODELS  
DYNAMIC MODELS  
FLOW VISUALIZATION  
∞ MISSILE SIMULATORS  
PYLON MOUNTING  
SCALE MODELS  
SEMISPAN MODELS  
SHADOWGRAPH PHOTOGRAPHY  
∞ TEST EQUIPMENT

### WIND TUNNEL NOZZLES

GS WIND TUNNEL APPARATUS  
WIND TUNNEL NOZZLES  
RT CONICAL NOZZLES  
CONVERGENT-DIVERGENT NOZZLES

### WIND TUNNEL NOZZLES-(CONT.)

DIVERGENT NOZZLES  
HYPERSONIC NOZZLES  
∞ NOZZLES  
SUPERSONIC NOZZLES  
TRANSONIC NOZZLES

### WIND TUNNEL STABILITY TESTS

GS STABILITY TESTS  
WIND TUNNEL STABILITY TESTS  
RT AERODYNAMIC STABILITY  
AIRCRAFT STABILITY  
MISSILE TESTS  
SPACECRAFT STABILITY  
∞ TESTS

### WIND TUNNEL TESTS

RT AERODYNAMIC CHARACTERISTICS  
AIR DATA SYSTEMS  
DENSITY MEASUREMENT  
FLOW DISTRIBUTION  
PRESSURE MEASUREMENT  
∞ TESTS  
TRISONIC WIND TUNNELS  
WATER TUNNEL TESTS

### WIND TUNNEL WALLS

GS WALLS  
WIND TUNNEL WALLS  
RT PRESSURE VESSELS  
REINFORCED SHELLS

### WIND TUNNELS

GS TEST FACILITIES  
WIND TUNNELS  
BLOWDOWN WIND TUNNELS  
COMBUSTION WIND TUNNELS  
CRYOGENIC WIND TUNNELS  
HYPERSONIC WIND TUNNELS  
CASCADE WIND TUNNELS  
HOTSHOT WIND TUNNELS  
PLASMA JET WIND TUNNELS  
SHOCK TUNNELS  
HYPERVELOCITY WIND TUNNELS  
CASCADE WIND TUNNELS  
HOTSHOT WIND TUNNELS  
PLASMA JET WIND TUNNELS  
SHOCK TUNNELS  
LOW DENSITY WIND TUNNELS  
LOW SPEED WIND TUNNELS  
SUBSONIC WIND TUNNELS  
RECTANGULAR WIND TUNNELS  
SLOTTED WIND TUNNELS  
SUPERSONIC WIND TUNNELS  
TRANSONIC WIND TUNNELS  
TRISONIC WIND TUNNELS  
RT AERODYNAMICS  
EXHAUST FLOW SIMULATION  
FLIGHT SIMULATORS  
GAS GUNS  
GAS STREAMS  
HYPERSONIC FLOW  
SPIKES (AERODYNAMIC CONFIGURATIONS)  
SUPERSONIC FLOW  
TEST CHAMBERS  
∞ TEST EQUIPMENT  
TRANSONIC FLOW  
∞ TUNNELS

### WIND TURBINES

GS TURBOMACHINERY  
TURBINES  
WIND TURBINES  
TIP VANES  
RT TURBOGENERATORS  
WIND VELOCITY  
WINDMILLS (WINDPOWERED MACHINES)  
WINDPOWER UTILIZATION  
WINDPOWERED GENERATORS

### WIND VANES

GS DISPLAY DEVICES  
FLOW DIRECTION INDICATORS  
WIND VANES  
MEASURING INSTRUMENTS  
INDICATING INSTRUMENTS  
FLOW DIRECTION INDICATORS  
WIND VANES  
METEOROLOGICAL INSTRUMENTS  
WIND VANES  
VANES  
RT WIND VANES  
ANEMOMETERS  
HOT-FILM ANEMOMETERS

### WIND VARIATIONS

GS VARIATIONS  
WIND VARIATIONS  
RT ANNUAL VARIATIONS  
ATMOSPHERIC TURBULENCE  
DIURNAL VARIATIONS  
SEASONS

### WIND VELOCITY

GS RATES (PER TIME)  
WIND VELOCITY  
SOLAR WIND VELOCITY  
VELOCITY  
WIND VELOCITY  
SOLAR WIND VELOCITY  
RT AIRSPEED  
ANEMOMETERS  
FLOW MEASUREMENT  
GROUND WIND  
HOT-FILM ANEMOMETERS  
SEA ROUGHNESS  
WIND TURBINES  
WINDMILLS (WINDPOWERED MACHINES)  
WINDPOWER UTILIZATION  
WINDPOWERED GENERATORS

### WIND VELOCITY MEASUREMENT

GS MECHANICAL MEASUREMENT  
VELOCITY MEASUREMENT  
WIND VELOCITY MEASUREMENT  
WIND MEASUREMENT  
WIND VELOCITY MEASUREMENT  
RT ANEMOMETERS  
HOT-FILM ANEMOMETERS

### WINDING

GS WINDING  
FILAMENT WINDING  
HELICAL WINDINGS  
WIRE WINDING  
RT COLD WORKING  
LEVELING  
METAL WORKING  
SPINDLES  
SPIRAL WRAPPING  
STRETCHING  
TWISTING

### WINDMILLING

USE AUTOROTATION

### WINDMILLS (WINDPOWERED MACHINES)

RT ELECTRIC GENERATORS  
GEARS  
GROUND WIND  
∞ MACHINERY  
MECHANICAL DRIVES  
∞ POWER TRANSMISSION  
∞ PUMPING  
WIND (METEOROLOGY)  
WIND DIRECTION  
WIND TURBINES  
WIND VELOCITY  
WINDPOWER UTILIZATION  
WINDPOWERED GENERATORS  
WINDPOWERED PUMPS

### WINDOW ATMOSPHERE SOUNDING PROJECTILE

USE WASP SOUNDING ROCKET

### ∞ WINDOWS

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
RT INFRARED WINDOWS  
PORTS (OPENINGS)  
WAVEGUIDE WINDOWS  
WINDOWS (APERTURES)  
WINDOWS (INTERVALS)

### WINDOWS (APERTURES)

SN (EXCLUDES INTERVALS IN TIME, FREQUENCY, ENERGY AND SO ON)  
RT APERTURES  
∞ BARRIERS  
CURTAINS  
DOORS  
DUCTS  
OPENINGS  
PORTS (OPENINGS)  
SEPARATORS  
SHIELDING  
VENTS  
∞ WINDOWS  
WINDSHIELDS

## WINDOWS (INTERVALS)

### WINDOWS (INTERVALS)

SN (EXCLUDES INTERVALS IN SPACE CONTINUUM)  
GS **WINDOWS (INTERVALS)**  
    . LASER WINDOWS  
    . LAUNCH WINDOWS  
RT BANDWIDTH  
    BURNING TIME  
    COUNTDOWN  
    ENERGY BANDS  
    FLIGHT TIME  
    TESTING TIME  
    TIME MEASUREMENT  
    ∞ WINDOWS

### WINDPOWER UTILIZATION

UF WIND ENERGY  
GS UTILIZATION  
    . **WINDPOWER UTILIZATION**  
RT AIR CURRENTS  
    AIR MASSES  
    ATMOSPHERIC CIRCULATION  
    CLEAN ENERGY  
    EARTH RESOURCES  
    GROUND WIND  
    SEA BREEZE  
    VANES  
    WIND (METEOROLOGY)  
    WIND PRESSURE  
    WIND TURBINES  
    WIND VELOCITY  
    WINDMILLS (WINDPOWERED MACHINES)  
    WINDPOWERED GENERATORS  
    WINDPOWERED PUMPS

### WINDPOWERED GENERATORS

RT ELECTRIC GENERATORS  
    ∞ GENERATORS  
    GROUND WIND  
    VANES  
    WIND (METEOROLOGY)  
    WIND DIRECTION  
    WIND PRESSURE  
    WIND TURBINES  
    WIND VELOCITY  
    WINDMILLS (WINDPOWERED MACHINES)  
    WINDPOWER UTILIZATION

### WINDPOWERED PUMPS

GS PUMPS  
    . **WINDPOWERED PUMPS**  
RT PONDS  
    ∞ PUMPING  
    RESERVOIRS  
    VANES  
    WATER  
    WATER RESOURCES  
    WINDMILLS (WINDPOWERED MACHINES)  
    WINDPOWER UTILIZATION

### WINDS ALOFT

GS WIND (METEOROLOGY)  
    . **WINDS ALOFT**  
    . . . GEOSTROPHIC WIND  
    . . . JET STREAMS (METEOROLOGY)  
RT CIRCUMPOLAR WESTERLIES  
    SEA BREEZE  
    VERTICAL AIR CURRENTS

### WINDSCREENS

USE WINDSHIELDS

### WINDSHIELDS

UF WINDSCREENS  
RT AIRCRAFT COMPARTMENTS  
    CANOPIES  
    COCKPITS  
    ENVIRONMENTAL CONTROL  
    LOCOMOTIVES  
    SHIELDING  
    WINDOWS (APERTURES)

### WINES

GS LIQUIDS  
    . POTABLE LIQUIDS  
    . . BEVERAGES  
    . . . **WINES**  
RT VINEYARDS

### WING CAMBER

GS CAMBER  
    . **WING CAMBER**  
RT CAMBERED WINGS  
    CONICAL CAMBER  
    MISSION ADAPTIVE WINGS

### WING FLAPS

UF JET AUGMENTED WING FLAPS  
GS AIRFOILS  
    . FLAPS (CONTROL SURFACES)  
    . . **WING FLAPS**  
    . . . LEADING EDGE FLAPS  
    . . . LEADING EDGE SLATS  
    . . . TRAILING EDGE FLAPS  
    . . . VORTEX FLAPS  
    BRAKES (FOR ARRESTING MOTION)  
    . AERODYNAMIC BRAKES  
    . . **WING FLAPS**  
    . . . LEADING EDGE FLAPS  
    . . . LEADING EDGE SLATS  
    . . . TRAILING EDGE FLAPS  
    . . . VORTEX FLAPS  
    . AIRCRAFT BRAKES  
    . . **WING FLAPS**  
    . . . LEADING EDGE SLATS  
    . . . TRAILING EDGE FLAPS  
    CONTROL SURFACES  
    . FLAPS (CONTROL SURFACES)  
    . . **WING FLAPS**  
    . . . LEADING EDGE FLAPS  
    . . . LEADING EDGE SLATS  
    . . . TRAILING EDGE FLAPS  
    . . . VORTEX FLAPS  
    DRAG DEVICES  
    . AERODYNAMIC BRAKES  
    . . **WING FLAPS**  
    . . . LEADING EDGE FLAPS  
    . . . LEADING EDGE SLATS  
    . . . TRAILING EDGE FLAPS  
    . . . VORTEX FLAPS  
RT EXTERNALLY BLOWN FLAPS  
    JET FLAPS  
    SPLIT FLAPS

### WING FLOW METHOD TESTS

RT FLIGHT TESTS  
    FLUID FLOW  
    GROUND TESTS  
    ∞ METHODOLOGY  
    ∞ TESTS  
    TRANSONIC WIND TUNNELS

### WING LOADING

GS AERODYNAMIC FORCES  
    . **WING LOADING**  
    LOADS (FORCES)  
    . DYNAMIC LOADS  
    . . **WING LOADING**  
RT AERODYNAMIC LOADS  
    AEROELASTICITY  
    EDGE LOADING  
    FORCE DISTRIBUTION  
    GUST LOADS  
    LEADING EDGE THRUST  
    STATIC LOADS  
    SWEEP EFFECT  
    VORTEX FLAPS

### WING NACELLE CONFIGURATIONS

GS AERODYNAMIC CONFIGURATIONS  
    . **WING NACELLE CONFIGURATIONS**  
RT ∞ AIRCRAFT  
    AIRFRAMES  
    EXTERNALLY BLOWN FLAPS

### WING OSCILLATIONS

GS OSCILLATIONS  
    . AIRFOIL OSCILLATIONS  
    . . **WING OSCILLATIONS**  
RT AERODYNAMIC STABILITY  
    AEROELASTIC RESEARCH WINGS  
    FLAPPING  
    FLUTTER  
    STABLE OSCILLATIONS  
    UNDAMPED OSCILLATIONS  
    UNSTEADY AERODYNAMICS  
    VIBRATION

### WING PANELS

GS PANELS  
    . **WING PANELS**  
    STRUCTURAL MEMBERS  
    . . **WING PANELS**  
RT CURVED PANELS  
    RECTANGULAR PANELS  
    WINGS

### WING PLANFORMS

GS PLANFORMS  
    . **WING PLANFORMS**  
    . . CHANNEL WINGS

### WING PLANFORMS-(CONT.)

    . . INFINITE SPAN WINGS  
    . . SWEPT FORWARD WINGS  
    . . . TRAPEZOIDAL WINGS  
    . . SWEPTBACK WINGS  
    . . . ARROW WINGS  
    . . . DELTA WINGS  
    . . . TRAPEZOIDAL WINGS  
    . . . VARIABLE SWEEP WINGS  
RT HP-115 AIRCRAFT  
    LOW ASPECT RATIO WINGS  
    MONOPLANES  
    OBLIQUE WINGS  
    RECTANGULAR PLANFORMS  
    SLENDER WINGS  
    SWEPT WINGS  
    SWING WINGS  
    THRUST DISTRIBUTION  
    UNSWEPT WINGS

### WING PROFILES

GS AIRFOIL PROFILES  
    . **WING PROFILES**  
    . . WING SPAN  
RT AERODYNAMIC INTERFERENCE  
    GAW-1 AIRFOIL  
    GAW-2 AIRFOIL  
    MISSION ADAPTIVE WINGS  
    MONOPLANES  
    SUPERCRITICAL WINGS  
    SWING WINGS  
    WINGS

### WING ROOTS

RT AERODYNAMIC CONFIGURATIONS  
    AIRCRAFT CONFIGURATIONS  
    DROOPED AIRFOILS  
    FAIRINGS  
    ∞ ROOTS

### WING SLATS

USE LEADING EDGE SLATS

### WING SLOTS

GS SLOTS  
    . **WING SLOTS**  
RT BOUNDARY LAYER CONTROL  
    LEADING EDGE SLATS  
    VORTEX GENERATORS

### WING SPAN

GS AIRFOIL PROFILES  
    . . WING PROFILES  
    . . . **WING SPAN**  
RT ∞ SPAN  
    SPANWISE BLOWING  
    WINGS

### WING TANKS

GS TANKS (CONTAINERS)  
    . FUEL TANKS  
    . . **WING TANKS**  
RT ∞ CONTAINERS  
    EXTERNAL STORE SEPARATION  
    EXTERNAL STORES  
    EXTERNAL TANKS  
    JETTISON SYSTEMS  
    WING-FUSELAGE STORES

### WING TIP VORTICES

GS VORTICES  
    . **WING TIP VORTICES**  
RT BLADE-VORTEX INTERACTION  
    FLOW DISTORTION  
    ROTATING FLUIDS

### WING TIPS

GS TIPS  
    . **WING TIPS**  
RT AIRFOIL PROFILES  
    BLADE TIPS  
    JOINED WINGS  
    WINGS

### WING-FUSELAGE STORES

RT EXTERNAL STORE SEPARATION  
    EXTERNAL STORES  
    FUSELAGES  
    NACELLES  
    PODS (EXTERNAL STORES)  
    PROTUBERANCES  
    ∞ STORAGE  
    STORAGE TANKS  
    TANKS (CONTAINERS)

**WING-FUSELAGE STORES-(CONT.)**

WEAPONS  
WING TANKS

**WINGED VEHICLES**

SN (USE OF A MORE SPECIFIC TERM IS  
RECOMMENDED--CONSULT THE TERMS  
LISTED BELOW)

RT ∞ AIRCRAFT  
B-1 AIRCRAFT  
DRONE VEHICLES  
FIREBEE 2 TARGET DRONE AIRCRAFT  
GLIDERS  
HANG GLIDERS  
HYPERSONIC VEHICLES  
JET AIRCRAFT  
KA-6 SAILPLANES  
LAUNCH VEHICLES  
LEADING EDGE FLAPS  
MAN POWERED AIRCRAFT  
MISSILES  
MONOPLANES  
RECOVERABLE LAUNCH VEHICLES  
RECOVERABLE SPACECRAFT  
REENTRY VEHICLES  
RESEARCH AIRCRAFT  
ROCKET VEHICLES  
SHORT TAKEOFF AIRCRAFT  
SUPERCRITICAL WINGS  
ULTRALIGHT AIRCRAFT  
∞ VEHICLES  
VERTICAL TAKEOFF AIRCRAFT  
WINGS

**WINGLETS**

RT DRAG REDUCTION  
FINS  
PROTUBERANCES  
VORTEX ALLEVIATION  
VORTEX AVOIDANCE  
WINGS

**WINGS**

UF CANTILEVER WINGS  
GS AIRFOILS  
WINGS  
AEROELASTIC RESEARCH WINGS  
CAMBERED WINGS  
CARET WINGS  
CHANNEL WINGS  
CRUCIFORM WINGS  
FIXED WINGS  
FLEXIBLE WINGS  
PARAWINGS  
GAW-1 AIRFOIL  
GAW-2 AIRFOIL  
JOINED WINGS  
LOW ASPECT RATIO WINGS  
DELTA WINGS  
TRAPEZOIDAL WINGS  
MISSION ADAPTIVE WINGS  
OBLIQUE WINGS  
RIGID WINGS  
ROTARY WINGS  
CIRCULATION CONTROL ROTORS  
LIFTING ROTORS  
BEARINGLESS ROTORS  
RIGID ROTORS  
TILTING ROTORS  
TIP DRIVEN ROTORS  
X WING ROTORS  
SLENDER WINGS  
INFINITE SPAN WINGS  
SUPERCRITICAL WINGS  
SWEEP WINGS  
SWEEP FORWARD WINGS  
TRAPEZOIDAL WINGS  
SWEEPBACK WINGS  
ARROW WINGS  
DELTA WINGS  
TRAPEZOIDAL WINGS  
SWING WINGS  
THIN WINGS  
INFINITE SPAN WINGS  
TWISTED WINGS  
UNCAMBERED WINGS  
RING WINGS  
UNSWEEP WINGS  
INFINITE SPAN WINGS  
RECTANGULAR WINGS  
RING WINGS  
VARIABLE SWEEP WINGS  
RT AIRCRAFT CONSTRUCTION MATERIALS  
AIRCRAFT PARTS  
AIRCRAFT STRUCTURES

**WINGS-(CONT.)**

AIRFOIL FENCES  
AIRFRAMES  
ASPECT RATIO  
BLUNT TRAILING EDGES  
BODY-WING AND TAIL CONFIGURATIONS  
BODY-WING CONFIGURATIONS  
COATINGS  
CONTROL SURFACES  
DROOPEO AIRFOILS  
DUAL WING CONFIGURATIONS  
LEADING EDGE FLAPS  
MISSILE COMPONENTS  
ROTORS  
SPOILERS  
WING PANELS  
WING PROFILES  
WING SPAN  
WING TIPS  
∞ WINGED VEHICLES  
WINGLETS

**WINTER**

GS SEASONS  
WINTER  
RT AUTUMN  
COLD WEATHER  
EQUINOXES  
PRESSURE ICE  
SOLSTICES  
SPRING (SEASON)  
SUMMER

**WIRE**

GS WIRE  
ELECTRIC WIRE  
EXPLODING WIRES  
GUY WIRES  
RT BILLETS  
CABLES (ROPES)  
COILS  
CORDAGE  
FASTENERS  
FILAMENTS  
FLAT CONDUCTORS  
JUMPERS  
REINFORCEMENT (STRUCTURES)  
RODS  
WIRING

**WIRE BRIDGE CIRCUITS**

GS CIRCUITS  
ELECTRIC BRIDGES  
WIRE BRIDGE CIRCUITS  
WHEATSTONE BRIDGES  
RT ELECTRIC WIRE  
EXPLODING WIRES

**WIRE CLOTH**

UF WIRE MESH  
RT FABRICS  
REINFORCEMENT (STRUCTURES)  
SCREENS  
SIEVES

**WIRE GRID LENSES**

GS LENSES  
WIRE GRID LENSES  
RETICLES  
WIRE GRID LENSES  
RT GRIDS  
LENS ANTENNAS  
MAGNETIC LENSES  
TURNSTILE ANTENNAS

**WIRE MESH**

USE WIRE CLOTH

**WIRE WINDING**

GS WINDING  
WIRE WINDING  
RT MAGNET COILS  
WIRING

**WIRELESS COMMUNICATION**

UF CARRIER SYSTEMS  
GS TELECOMMUNICATION  
WIRELESS COMMUNICATION  
RT AIRCRAFT COMMUNICATION  
CLOSED CIRCUIT TELEVISION  
COMMUNICATION SATELLITES  
DATA LINKS  
DATA TRANSMISSION  
DIGITAL SPACECRAFT TELEVISION  
FACSIMILE COMMUNICATION

**WIRELESS COMMUNICATION-(CONT.)**

OPTICAL COMMUNICATION  
RADIO TELEMETRY  
SIGNAL TRANSMISSION  
SPACE COMMUNICATION  
SPACECRAFT COMMUNICATION  
TELEMETRY  
VOICE COMMUNICATION

**WIRING**

SN (PROCESS--AS DISTINGUISHED FROM  
MATERIAL)  
UF ELECTRIC WIRING  
WIRING SYSTEMS  
RT BUNDLES  
CIRCUITS  
ELECTRICAL INSULATION  
FLAT CONDUCTORS  
SPlicing  
TRANSMISSION LINES  
WIRE  
WIRE WINDING

**WIRING SYSTEMS**

USE WIRING

**WISCONSIN**

GS NATIONS  
UNITED STATES  
WISCONSIN

**WISWESSER NOTATIONS**

GS CLASSIFICATIONS  
INDEXES (DOCUMENTATION)  
WISWESSER NOTATIONS  
CODING  
WISWESSER NOTATIONS  
RT CHEMICAL COMPOUNDS  
CHEMISTRY  
IDENTIFYING  
MOLECULAR STRUCTURE  
REFERENCE SYSTEMS

**WKB APPROXIMATION**

USE WENTZEL-KRAMER-BRILLOUIN METHOD

**WOLF-RAYET STARS**

UF W STARS  
W-R STARS  
GS CELESTIAL BODIES  
STARS  
EARLY STARS  
HOT STARS  
WOLF-RAYET STARS  
RT A STARS  
ASTROPHYSICS  
B STARS  
CARBON STARS  
CELESTIAL MECHANICS  
EJECTA  
HELIUM  
NITROGEN  
O STARS  
STELLAR ENVELOPES  
STELLAR LUMINOSITY  
STELLAR MASS EJECTION  
WHITE DWARF STARS

**WOLFRAM**

USE TUNGSTEN

**WOLVES**

GS ANIMALS  
VERTEBRATES  
MAMMALS  
WOLVES

**WOMEN**

USE FEMALES

**WOOD**

GS WOOD  
CORK (MATERIALS)  
PLYWOOD  
RT BALSA  
CELLULOSE  
MASONITE (TRADEMARK)  
ORGANIC MATERIALS  
PAPER (MATERIAL)  
PLANTS (BOTANY)  
SLIVERS  
TREES (PLANTS)  
WOODEN STRUCTURES

## WOODEN STRUCTURES

### WOODEN STRUCTURES

RT PLYWOOD  
∞ STRUCTURES  
WOOD

### WOOL

SN (LIMITED TO ANIMAL FIBERS)  
GS FABRICS  
. WOOL  
FIBERS  
. WOOL  
RT FELTS  
HAIR  
KERATINS  
ORGANIC MATERIALS  
SHEEP  
YARNS

### WORD PROCESSING

RT COMPUTER TECHNIQUES  
DATA PROCESSING  
OFFICE AUTOMATION  
WORDS (LANGUAGE)

### WORDS (LANGUAGE)

GS COMMUNICATION THEORY  
. WORDS (LANGUAGE)  
. SYLLABLES  
LANGUAGES  
. SENTENCES  
. WORDS (LANGUAGE)  
. SYLLABLES  
LINGUISTICS  
. SYNTAX  
. SENTENCES  
. WORDS (LANGUAGE)  
. SYLLABLES  
SPEECH  
. TALKING  
. WORDS (LANGUAGE)  
. SYLLABLES  
RT CONSONANTS (SPEECH)  
CONVERSATION  
ENGLISH LANGUAGE  
GRAMMARS  
MESSAGES  
ORTHOGRAPHY  
PHONEMES  
PHONEMICS  
PHONETICS  
SEMANTICS  
TERMINOLOGY  
THESAURI  
VERBAL COMMUNICATION  
VOICE COMMUNICATION  
VOWELS  
WORD PROCESSING

### WORK

GS WORK  
. PHYSICAL WORK  
RT ∞ ENERGY  
HEAT  
HORSEPOWER  
KINETIC ENERGY  
OCCUPATION  
PHYSICAL FACTORS

### WORK CAPACITY

RT HYPERKINESIA  
ORBITAL WORKERS  
PHYSICAL FITNESS  
PHYSICAL WORK  
WORKLOADS (PSYCHOPHYSIOLOGY)

### WORK FUNCTIONS

UF SCHOTTKY EFFECT  
RT ELECTRON EMISSION  
∞ FUNCTIONS  
IONIZATION POTENTIALS  
PERVEANCE  
PHOTOELECTRIC EMISSION  
SCHOTTKY DIODES  
THERMIONIC EMISSION

### WORK HARDENING

GS HARDENING (MATERIALS)  
. WORK HARDENING  
. STRAIN HARDENING  
RT COLD HARDENING  
MECHANICAL TWINNING  
METAL WORKING  
PEENING  
SHOT PEENING  
WORK SOFTENING

### WORK SOFTENING

GS SOFTENING  
. WORK SOFTENING  
RT MICROSTRUCTURE  
PLASTIC DEFORMATION  
WORK HARDENING

### WORK-REST CYCLE

GS CYCLES  
. WORK-REST CYCLE  
RT FATIGUE (BIOLOGY)  
RELAXATION (PHYSIOLOGY)

### WORKHORSE HELICOPTER

USE CH-21 HELICOPTER

### WORKING FLUIDS

RT CONSUMABLES (SPACECRAFT)  
FERROFLUIDS  
FLUID POWER  
FLUID TRANSMISSION LINES  
∞ FLUIDS  
HIGH TEMPERATURE FLUIDS  
HYDRAULIC FLUIDS  
JET CONDENSERS  
PHASE CHANGE MATERIALS  
TRANSMISSION FLUIDS

### WORKLOADS (PSYCHOPHYSIOLOGY)

GS PHYSIOLOGY  
. PSYCHOPHYSIOLOGY  
. WORKLOADS (PSYCHOPHYSIOLOGY)  
RT FATIGUE (BIOLOGY)  
HUMAN PERFORMANCE  
MENTAL PERFORMANCE  
PHYSICAL WORK  
PSYCHOMOTOR PERFORMANCE  
STRESS (PSYCHOLOGY)  
WORK CAPACITY

### WORKSTATIONS

GS STATIONS  
. WORKSTATIONS  
RT HUMAN FACTORS ENGINEERING  
MAN MACHINE SYSTEMS  
PRODUCTIVITY

### WORLD

USE EARTH (PLANET)

### WORLD DATA CENTERS

RT ∞ CENTERS  
∞ DATA  
DATA RETRIEVAL  
DATA STORAGE  
INTERNATIONAL GEOPHYSICAL YEAR  
LIBRARIES  
TRANSOCEANIC SYSTEMS

### WORLD METEOROLOGICAL ORGANIZATION

GS ORGANIZATIONS  
. WORLD METEOROLOGICAL ORGANIZATION  
RT INTERNATIONAL COOPERATION  
METEOROLOGY  
UNITED NATIONS

### WORMS

GS ANIMALS  
. INVERTEBRATES  
. WORMS  
. FLATWORMS  
RT INFESTATION  
LARVAE  
ROTIFERA

### WOUND HEALING

GS HEALING  
. WOUND HEALING  
RT INJURIES

### WRANGELL MOUNTAINS (AK)

GS LANDFORMS  
. MOUNTAINS  
. WRANGELL MOUNTAINS (AK)  
RT ALASKA

### ∞ WRAP

SN (USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)  
RT COMPOSITE WRAPPING  
PACKAGING

### WRAPAROUND CONTACT SOLAR CELLS

USE SOLAR CELLS

### WRECKAGE

RT ACCIDENT INVESTIGATION  
ACCIDENTS  
CRASHES  
SABOTAGE

### WRENCHES

GS TOOLS  
. WRENCHES

### WRINKLING

GS WRINKLING  
. FLANGE WRINKLING  
RT BUCKLING  
DEFORMATION  
DISTORTION  
∞ RIDGES

### WRIST

GS ANATOMY  
. MUSCULOSKELETAL SYSTEM  
. JOINTS (ANATOMY)  
. WRIST  
RT ARM (ANATOMY)  
HAND (ANATOMY)

### WROUGHT ALLOYS

GS ALLOYS  
. WROUGHT ALLOYS  
RT RENE 41  
RENE 63  
RENE 77  
WASPALLOY

### WU-2 AIRCRAFT

USE U-2 AIRCRAFT

### WURTZITE

GS CHALCOGENIDES  
. SULFIDES  
. INORGANIC SULFIDES  
. ZINC SULFIDES  
. WURTZITE  
MINERALS  
. WURTZITE  
SULFUR COMPOUNDS  
. SULFIDES  
. INORGANIC SULFIDES  
. ZINC SULFIDES  
. WURTZITE  
ZINC COMPOUNDS  
. ZINC SULFIDES  
. WURTZITE

### WYOMING

GS NATIONS  
. UNITED STATES  
. WYOMING  
RT BIGHORN MOUNTAINS (MT-WY)  
BLACK HILLS (SD-WY)  
WIND RIVER RANGE (WY)  
YELLOWSTONE NATIONAL PARK (ID-MT-WY)

### W2F AIRCRAFT

USE E-2 AIRCRAFT

X

### X BAND

USE SUPERHIGH FREQUENCIES

### X MESONS

GS PARTICLES  
. ELEMENTARY PARTICLES  
. BOSONS  
. MESONS  
. MESON RESONANCE  
. X MESONS  
. NUCLEAR PARTICLES  
. BOSONS  
. MESONS  
. MESON RESONANCE  
. X MESONS  
RESONANCE  
. MESON RESONANCE  
. X MESONS

## X WING ROTORS

### X RAY ABSORPTION

GS ENERGY ABSORPTION  
 . RADIATION ABSORPTION  
 . . ELECTROMAGNETIC ABSORPTION  
 . . . X RAY ABSORPTION  
 RT ∞ ABSORPTION  
 ELECTRON SPECTROSCOPY

### X RAY ANALYSIS

SN (EXCLUDES X RAY STRESS ANALYSIS)  
 GS X RAY ANALYSIS  
 . LAUE METHOD  
 . X RAY SPECTROSCOPY  
 RT ∞ ANALYZING  
 CHEMICAL ANALYSIS  
 CRYSTALLOGRAPHY  
 DEFECTS  
 FLUOROSCOPY  
 LATTICE PARAMETERS  
 ∞ MATERIALS TESTS  
 MICROANALYSIS  
 MICROBEAMS  
 RADIOGRAPHY  
 RADIOLOGY  
 STEREOCHEMISTRY  
 TOMOGRAPHY

### X RAY APPARATUS

GS MEDICAL EQUIPMENT  
 . X RAY APPARATUS  
 . . LIXISCOPES  
 . . X RAY TUBES  
 RT ∞ EQUIPMENT  
 RADIOGRAPHY

### X RAY ASTRONOMY

GS ASTRONOMY  
 . X RAY ASTRONOMY  
 . . X RAY SOURCES  
 . . . X RAY BINARIES  
 RT COSMIC X RAYS  
 EXOSAT SATELLITE  
 GAMMA RAY ASTRONOMY  
 GAMMA RAY BURSTS  
 GRAZING INCIDENCE TELESCOPES  
 LIXISCOPES  
 RADIOGRAPHY  
 ROSAT MISSION  
 SAS-3  
 UHURU SATELLITE  
 ULTRAVIOLET TELESCOPES  
 X RAY ASTROPHYSICS FACILITY  
 X RAY STARS

### X RAY ASTROPHYSICS FACILITY

UF ADVANCED X RAY ASTROPHYSICS  
 FACILITY  
 GS AXAF  
 ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . ASTRONOMICAL SATELLITES  
 . . . X RAY ASTROPHYSICS FACILITY  
 OBSERVATORIES  
 . ASTRONOMICAL OBSERVATORIES  
 . . ASTRONOMICAL SATELLITES  
 . . . X RAY ASTROPHYSICS FACILITY  
 PAYLOADS  
 . SPACE SHUTTLE PAYLOADS  
 . . X RAY ASTROPHYSICS FACILITY  
 TELESCOPES  
 . SPACEBORNE TELESCOPES  
 . . X RAY ASTROPHYSICS FACILITY  
 . . X RAY TELESCOPES  
 . . . X RAY ASTROPHYSICS FACILITY  
 RT ASTROPHYSICS  
 ∞ FACILITIES  
 SPACEBORNE ASTRONOMY  
 X RAY ASTRONOMY

### X RAY BINARIES

GS ASTRONOMY  
 . X RAY ASTRONOMY  
 . . X RAY SOURCES  
 . . . X RAY BINARIES  
 RT ACCRETION DISKS  
 ASTROPHYSICS  
 BLACK HOLES (ASTRONOMY)  
 COMPANION STARS  
 COSMIC X RAYS  
 ECLIPSING BINARY STARS  
 NEUTRON STARS  
 STELLAR MASS ACCRETION  
 X RAY STARS  
 X RAYS

### X RAY DENSITY MEASUREMENT

GS DENSITY MEASUREMENT  
 . X RAY DENSITY MEASUREMENT  
 RT FLUX DENSITY

### X RAY DIFFRACTION

GS DIFFRACTION  
 . X RAY DIFFRACTION  
 RT CRYSTALLOGRAPHY  
 ELECTRON DIFFRACTION  
 LAUE METHOD  
 METALLOGRAPHY  
 RADIOGRAPHY

### X RAY FLUORESCENCE

GS EMISSION  
 . LIGHT EMISSION  
 . . LUMINESCENCE  
 . . . FLUORESCENCE  
 . . . . X RAY FLUORESCENCE  
 . . . . . PHOTOLUMINESCENCE  
 . . . . . X RAY FLUORESCENCE  
 RT RADIOGRAPHY

### X RAY IMAGERY

GS IMAGERY  
 . X RAY IMAGERY  
 RT IMAGING TECHNIQUES  
 INFRARED IMAGERY  
 LIXISCOPES  
 MICROWAVE IMAGERY  
 RADAR IMAGERY  
 RADIOGRAPHY

### X RAY INSPECTION

GS INSPECTION  
 . X RAY INSPECTION  
 RT NONDESTRUCTIVE TESTS  
 RADIOGRAPHY  
 ∞ TESTS

### X RAY IRRADIATION

GS IRRADIATION  
 . X RAY IRRADIATION

### X RAY LASERS

GS STIMULATED EMISSION DEVICES  
 . LASERS  
 . . X RAY LASERS  
 RT ELECTRON TRANSITIONS  
 LASER OUTPUTS

### X RAY SCATTERING

GS SCATTERING  
 . WAVE SCATTERING  
 . . ELECTROMAGNETIC SCATTERING  
 . . . X RAY SCATTERING  
 RT FORM FACTORS

### X RAY SOURCES

GS ASTRONOMY  
 . X RAY ASTRONOMY  
 . . X RAY SOURCES  
 . . . X RAY BINARIES  
 RT COOLING FLOWS (ASTROPHYSICS)  
 EXOSAT SATELLITE  
 ∞ RADIATION  
 ROSAT MISSION  
 X RAY STARS

### X RAY SPECTRA

GS SPECTRA  
 . RADIATION SPECTRA  
 . . ELECTROMAGNETIC SPECTRA  
 . . . X RAY SPECTRA  
 RT NORTH POLAR SPUR (ASTRONOMY)  
 QUASARS  
 SOLAR SPECTRA  
 STELLAR SPECTRA

### X RAY SPECTROGRAPHY

USE X RAY SPECTROSCOPY

### X RAY SPECTROMETRY

USE X RAY SPECTROSCOPY

### X RAY SPECTROPOLARIMETRY PAYLOAD

USE EXPOS (SPACELAB PAYLOAD)

### X RAY SPECTROSCOPY

UF X RAY SPECTROGRAPHY  
 X RAY SPECTROMETRY  
 GS SPECTROSCOPY  
 . X RAY SPECTROSCOPY

### X RAY SPECTROSCOPY-(CONT.)

X RAY ANALYSIS  
 . X RAY SPECTROSCOPY  
 RT ASTRONOMICAL SPECTROSCOPY  
 ∞ MATERIALS TESTS  
 MOLECULAR SPECTROSCOPY  
 RADIO SPECTROSCOPY  
 RADIOGRAPHY  
 SPECTROSCOPIC ANALYSIS  
 ULTRAVIOLET SPECTROSCOPY  
 VACUUM SPECTROSCOPY

### X RAY STARS

UF EXTARS  
 GS CELESTIAL BODIES  
 . STARS  
 . . X RAY STARS  
 RT EMISSION SPECTRA  
 NEUTRON STARS  
 RADIATION SOURCES  
 STELLAR RADIATION  
 UHURU SATELLITE  
 X RAY ASTRONOMY  
 X RAY BINARIES  
 X RAY SOURCES  
 X RAY TELESCOPES  
 X RAYS

### X RAY STRESS ANALYSIS

GS STRESS ANALYSIS  
 . X RAY STRESS ANALYSIS  
 RT STRESSES  
 TEMPERATURE INVERSIONS

### X RAY STRESS MEASUREMENT

GS MECHANICAL MEASUREMENT  
 . STRESS MEASUREMENT  
 . . X RAY STRESS MEASUREMENT

### X RAY TELESCOPES

GS TELESCOPES  
 . X RAY TELESCOPES  
 . . X RAY ASTROPHYSICS FACILITY  
 RT GRAZING INCIDENCE TELESCOPES  
 RADIOGRAPHY  
 ROSAT MISSION  
 X RAY STARS

### X RAY TIMING EXPLORER

GS ARTIFICIAL SATELLITES  
 . SCIENTIFIC SATELLITES  
 . . EXPLORER SATELLITES  
 . . . X RAY TIMING EXPLORER

### X RAY TUBES

GS MEDICAL EQUIPMENT  
 . X RAY APPARATUS  
 . . X RAY TUBES  
 RT ELECTRON TUBES  
 RADIOGRAPHY

### X RAYS

GS ELECTROMAGNETIC RADIATION  
 . X RAYS  
 . . COSMIC X RAYS  
 . . . SOLAR X-RAYS  
 IONIZING RADIATION  
 . X RAYS  
 . . COSMIC X RAYS  
 . . . SOLAR X-RAYS  
 RT AURORAS  
 BLACKOUT (PROPAGATION)  
 BREMSSTRAHLUNG  
 COSMIC RAYS  
 EMISSION SPECTRA  
 EXTRATERRESTRIAL RADIATION  
 FAR ULTRAVIOLET RADIATION  
 GAMMA RAYS  
 MONOCHROMATIC RADIATION  
 RADIOGRAPHY  
 RADIOLOGY  
 SYNCHROTRON RADIATION  
 SYSTEM GENERATED  
 ELECTROMAGNETIC PULSES  
 X RAY BINARIES  
 X RAY STARS

### X WING ROTORS

GS AIRFOILS  
 . WINGS  
 . . ROTARY WINGS  
 . . . X WING ROTORS  
 ROTATING BODIES  
 . ROTORS  
 . . ROTARY WINGS

## X-Y PLOTTERS

### X WING ROTORS-(CONT.)

- . . . . X WING ROTORS
- RT CIRCULATION CONTROL ROTORS
- ∞ ROTOR BLADES

### X-Y PLOTTERS

- GS RECORDING INSTRUMENTS
- . PLOTTERS
- . . . X-Y PLOTTERS
- RT DIGITAL TO ANALOG CONVERTERS

### X-1 AIRCRAFT

- GS BELL AIRCRAFT
- . X-1 AIRCRAFT
- MONOPLANES
- . X-1 AIRCRAFT
- RESEARCH AIRCRAFT
- . X-1 AIRCRAFT
- ROCKET VEHICLES
- . ROCKET PLANES
- . . X-1 AIRCRAFT
- SUPERSONIC AIRCRAFT
- . X-1 AIRCRAFT
- RT ∞ AIRCRAFT

### X-2 AIRCRAFT

- GS BELL AIRCRAFT
- . X-2 AIRCRAFT
- MONOPLANES
- . X-2 AIRCRAFT
- RESEARCH AIRCRAFT
- . X-2 AIRCRAFT
- ROCKET VEHICLES
- . ROCKET PLANES
- . . X-2 AIRCRAFT
- SUPERSONIC AIRCRAFT
- . X-2 AIRCRAFT
- RT ∞ AIRCRAFT

### X-3 AIRCRAFT

- GS JET AIRCRAFT
- . X-3 AIRCRAFT
- MCDONNELL DOUGLAS AIRCRAFT
- . DOUGLAS AIRCRAFT
- . . X-3 AIRCRAFT
- MONOPLANES
- . X-3 AIRCRAFT
- RESEARCH AIRCRAFT
- . X-3 AIRCRAFT
- SUPERSONIC AIRCRAFT
- . X-3 AIRCRAFT
- RT ∞ AIRCRAFT

### X-5 AIRCRAFT

- GS BELL AIRCRAFT
- . X-5 AIRCRAFT
- JET AIRCRAFT
- . X-5 AIRCRAFT
- MONOPLANES
- . X-5 AIRCRAFT
- RESEARCH AIRCRAFT
- . X-5 AIRCRAFT
- RT ∞ AIRCRAFT

### X-13 AIRCRAFT

- GS JET AIRCRAFT
- . X-13 AIRCRAFT
- MONOPLANES
- . X-13 AIRCRAFT
- RESEARCH AIRCRAFT
- . X-13 AIRCRAFT
- RYAN AIRCRAFT
- . X-13 AIRCRAFT
- V/STOL AIRCRAFT
- . VERTICAL TAKEOFF AIRCRAFT
- . . X-13 AIRCRAFT
- RT ∞ AIRCRAFT

### X-14 AIRCRAFT

- GS BELL AIRCRAFT
- . X-14 AIRCRAFT
- JET AIRCRAFT
- . X-14 AIRCRAFT
- MONOPLANES
- . X-14 AIRCRAFT
- RESEARCH AIRCRAFT
- . X-14 AIRCRAFT
- V/STOL AIRCRAFT
- . VERTICAL TAKEOFF AIRCRAFT
- . . X-14 AIRCRAFT
- RT ∞ AIRCRAFT

### X-15 AIRCRAFT

- GS NORTH AMERICAN AIRCRAFT
- . X-15 AIRCRAFT

### X-15 AIRCRAFT-(CONT.)

- RESEARCH AIRCRAFT
- . X-15 AIRCRAFT
- ROCKET VEHICLES
- . ROCKET PLANES
- . . X-15 AIRCRAFT
- SUPERSONIC AIRCRAFT
- . X-15 AIRCRAFT
- RT ∞ AIRCRAFT
- LR-99 ENGINE
- XLR-99 ENGINE

### X-17 REENTRY VEHICLE

- GS REENTRY VEHICLES
- . X-17 REENTRY VEHICLE
- RT ROCKET VEHICLES
- SOLID PROPELLANT ROCKET ENGINES

### X-19 AIRCRAFT

- GS CURTISS-WRIGHT AIRCRAFT
- . X-19 AIRCRAFT
- RESEARCH AIRCRAFT
- . X-19 AIRCRAFT
- TANDEM WING AIRCRAFT
- . X-19 AIRCRAFT
- V/STOL AIRCRAFT
- . VERTICAL TAKEOFF AIRCRAFT
- . . X-19 AIRCRAFT
- RT ∞ AIRCRAFT

### X-20 AIRCRAFT

- UF DYNA-SOAR SPACE GLIDER
- GS BOEING AIRCRAFT
- . X-20 AIRCRAFT
- GLIDERS
- . BOOSTGLIDE VEHICLES
- . . X-20 AIRCRAFT
- HYPERSONIC GLIDERS
- . . X-20 AIRCRAFT
- HYPERSONIC VEHICLES
- . HYPERSONIC AIRCRAFT
- . . HYPERSONIC GLIDERS
- . . . X-20 AIRCRAFT
- LIFTING BODIES
- . LIFTING REENTRY VEHICLES
- . . X-20 AIRCRAFT
- MANEUVERABLE SPACECRAFT
- . X-20 AIRCRAFT
- REENTRY VEHICLES
- . BOOSTGLIDE VEHICLES
- . . X-20 AIRCRAFT
- MANEUVERABLE REENTRY BODIES
- . LIFTING REENTRY VEHICLES
- . . . X-20 AIRCRAFT
- RESEARCH AIRCRAFT
- . X-20 AIRCRAFT
- RT AEROSPACE PLANES
- ∞ AIRCRAFT
- MANNED SPACECRAFT
- SOFT LANDING SPACECRAFT

### X-21 AIRCRAFT

- GS JET AIRCRAFT
- . X-21 AIRCRAFT
- MONOPLANES
- . X-21 AIRCRAFT
- NORTHROP AIRCRAFT
- . X-21 AIRCRAFT
- RESEARCH AIRCRAFT
- . X-21 AIRCRAFT
- RT ∞ AIRCRAFT
- BOUNDARY LAYER CONTROL
- LAMINAR BOUNDARY LAYER

### X-21A AIRCRAFT

- GS JET AIRCRAFT
- . X-21A AIRCRAFT
- MONOPLANES
- . X-21A AIRCRAFT
- NORTHROP AIRCRAFT
- . X-21A AIRCRAFT
- RESEARCH AIRCRAFT
- . X-21A AIRCRAFT
- RT ∞ AIRCRAFT
- LAMINAR FLOW

### X-22 AIRCRAFT

- GS BELL AIRCRAFT
- . X-22 AIRCRAFT
- RESEARCH AIRCRAFT
- . X-22 AIRCRAFT
- V/STOL AIRCRAFT
- . VERTICAL TAKEOFF AIRCRAFT
- . . X-22 AIRCRAFT
- RT ∞ AIRCRAFT

### X-22 AIRCRAFT-(CONT.)

- TANDEM WING AIRCRAFT
- TILT WING AIRCRAFT
- X-22A AIRCRAFT
- GS RESEARCH AIRCRAFT
- . X-22A AIRCRAFT
- TANDEM WING AIRCRAFT
- . X-22A AIRCRAFT
- V/STOL AIRCRAFT
- . VERTICAL TAKEOFF AIRCRAFT
- . . X-22A AIRCRAFT
- RT ∞ AIRCRAFT

### X-24 AIRCRAFT

- GS LIFTING BODIES
- . LIFTING REENTRY VEHICLES
- . . X-24 AIRCRAFT
- REENTRY VEHICLES
- . MANEUVERABLE REENTRY BODIES
- . . LIFTING REENTRY VEHICLES
- . . . X-24 AIRCRAFT
- RESEARCH AIRCRAFT
- . X-24 AIRCRAFT
- RT ∞ AIRCRAFT

### X-29 AIRCRAFT

- RT ∞ AIRCRAFT
- SWEPT FORWARD WINGS

### X-30 VEHICLE

- GS AEROSPACE VEHICLES
- . AEROSPACE PLANES
- . . X-30 VEHICLE
- HYPERSONIC VEHICLES
- . X-30 VEHICLE
- MANEUVERABLE SPACECRAFT
- . AEROSPACE PLANES
- . . X-30 VEHICLE
- MANNED SPACECRAFT
- . AEROSPACE PLANES
- . . X-30 VEHICLE
- REENTRY VEHICLES
- . RECOVERABLE SPACECRAFT
- . . REUSABLE SPACECRAFT
- . . . AEROSPACE PLANES
- . . . . X-30 VEHICLE
- RESEARCH VEHICLES
- . X-30 VEHICLE
- SOFT LANDING SPACECRAFT
- . AEROSPACE PLANES
- . . X-30 VEHICLE
- NATIONAL AEROSPACE PLANE
- PROGRAM
- ∞ SPACECRAFT
- TRANSATMOSPHERIC VEHICLES

### X-248 ENGINE

- UF ALTAR ENGINE
- GS ENGINES
- . ROCKET ENGINES
- . . SOLID PROPELLANT ROCKET
- ENGINES
- . . . X-248 ENGINE
- RT BLUE SCOUT ROCKET VEHICLE
- SCOUT LAUNCH VEHICLE
- VANGUARD 2 LAUNCH VEHICLE

### X-254 ENGINE

- GS ENGINES
- . ROCKET ENGINES
- . . SOLID PROPELLANT ROCKET
- ENGINES
- . . . X-254 ENGINE
- RT ANTARES ROCKET VEHICLE
- BLUE SCOUT ROCKET VEHICLE
- SCOUT LAUNCH VEHICLE

### X-258 ENGINES

- GS ENGINES
- . ROCKET ENGINES
- . . SOLID PROPELLANT ROCKET
- ENGINES
- . . . X-258 ENGINES
- . . . . X-258-B1 ENGINE
- RT SCOUT LAUNCH VEHICLE

### X-258-B1 ENGINE

- GS ENGINES
- . ROCKET ENGINES
- . . SOLID PROPELLANT ROCKET
- ENGINES
- . . . X-258 ENGINES
- . . . . X-258-B1 ENGINE

**X-259 ENGINE**

GS ENGINES  
 . ROCKET ENGINES  
 . SOLID PROPELLANT ROCKET ENGINES  
 . . . **X-259 ENGINE**  
 RT SCOUT LAUNCH VEHICLE

**X-405 ENGINE**

GS ENGINES  
 . ROCKET ENGINES  
 . BOOSTER ROCKET ENGINES  
 . . . **X-405 ENGINE**  
 . LIQUID PROPELLANT ROCKET ENGINES  
 . . . **X-405 ENGINE**  
 RT VANGUARD PROJECT

**XANTHIC ACIDS**

GS ACIDS  
 . **XANTHIC ACIDS**  
 RT ORGANIC LIQUIDS

**XANTHINES**

GS FUNGICIDES  
 . **XANTHINES**  
 . . CAFFEINE  
 . . GUANINES  
 . . URIC ACID  
 NITROGEN COMPOUNDS  
 . **XANTHINES**  
 . . CAFFEINE  
 . . GUANINES  
 . . URIC ACID  
 ORGANIC COMPOUNDS  
 . CYCLIC COMPOUNDS  
 . . HETEROCYCLIC COMPOUNDS  
 . . . PURINES  
 . . . **XANTHINES**  
 . . . . CAFFEINE  
 . . . . GUANINES  
 . . . . URIC ACID

**XB-47 AIRCRAFT**

USE B-47 AIRCRAFT

**XB-70 AIRCRAFT**

USE B-70 AIRCRAFT

**XBQM-180A AIRCRAFT**

USE VATOL AIRCRAFT

**XC-142 AIRCRAFT**

UF C-142 AIRCRAFT  
 GS FAIRCHILD-HILLER AIRCRAFT  
 . **XC-142 AIRCRAFT**  
 . JET AIRCRAFT  
 . . **XC-142 AIRCRAFT**  
 . LING-TEMCO-VOUGHT AIRCRAFT  
 . . **XC-142 AIRCRAFT**  
 . MONOPLANES  
 . . **XC-142 AIRCRAFT**  
 . RYAN AIRCRAFT  
 . . **XC-142 AIRCRAFT**  
 . TILT WING AIRCRAFT  
 . . **XC-142 AIRCRAFT**  
 . TRANSPORT AIRCRAFT  
 . . **XC-142 AIRCRAFT**  
 . V/STOL AIRCRAFT  
 . . VERTICAL TAKEOFF AIRCRAFT  
 . . . **XC-142 AIRCRAFT**  
 RT  $\infty$  AIRCRAFT  
 . TURBOPROP ENGINES

**XENON**

GS CHEMICAL ELEMENTS  
 . RARE GASES  
 . . **XENON**  
 . . . XENON ISOTOPES  
 . . . . XENON 129  
 . . . . XENON 133  
 . . . . XENON 135  
 GASES  
 . RARE GASES  
 . . **XENON**  
 . . . XENON ISOTOPES  
 . . . . XENON 129  
 . . . . XENON 133  
 . . . . XENON 135

**XENON CHLORIDE LASERS**

GS STIMULATED EMISSION DEVICES  
 . LASERS  
 . . GAS LASERS

**XENON CHLORIDE LASERS-(CONT.)**

. . . **XENON CHLORIDE LASERS**  
 . . . RARE GAS-HALIDE LASERS  
 . . . **XENON CHLORIDE LASERS**  
 RT ELECTRON TRANSITIONS  
 . EXCIMER LASERS  
 . LASER MATERIALS  
 . LASER OUTPUTS  
 . ULTRAVIOLET LASERS

**XENON COMPOUNDS**

RT  $\infty$  CHEMICAL COMPOUNDS  
 $\infty$  RARE GAS COMPOUNDS

**XENON FLUORIDE LASERS**

GS STIMULATED EMISSION DEVICES  
 . LASERS  
 . . GAS LASERS  
 . . . **XENON FLUORIDE LASERS**  
 . . . RARE GAS-HALIDE LASERS  
 . . . **XENON FLUORIDE LASERS**  
 RT ELECTRON TRANSITIONS  
 . EXCIMER LASERS  
 . LASER MATERIALS  
 . LASER OUTPUTS

**XENON ISOTOPES**

GS CHEMICAL ELEMENTS  
 . NUCLIDES  
 . . ISOTOPES  
 . . . **XENON ISOTOPES**  
 . . . . XENON 129  
 . . . . XENON 133  
 . . . . XENON 135  
 . RARE GASES  
 . . XENON  
 . . . **XENON ISOTOPES**  
 . . . . XENON 129  
 . . . . XENON 133  
 . . . . XENON 135  
 GASES  
 . RARE GASES  
 . . XENON  
 . . . **XENON ISOTOPES**  
 . . . . XENON 129  
 . . . . XENON 133  
 . . . . XENON 135

**XENON LAMPS**

GS LIGHTING EQUIPMENT  
 . LUMINAIRES  
 . . **XENON LAMPS**  
 RT ARC LAMPS  
 . FLASH LAMPS  
 . INFRARED RADIATION  
 . MERCURY LAMPS

**XENON 129**

GS CHEMICAL ELEMENTS  
 . NUCLIDES  
 . . ISOTOPES  
 . . . XENON ISOTOPES  
 . . . . **XENON 129**  
 . RARE GASES  
 . . XENON  
 . . . XENON ISOTOPES  
 . . . . **XENON 129**  
 GASES  
 . RARE GASES  
 . . XENON  
 . . . XENON ISOTOPES  
 . . . . **XENON 129**

**XENON 133**

GS CHEMICAL ELEMENTS  
 . NUCLIDES  
 . . ISOTOPES  
 . . . RADIOACTIVE ISOTOPES  
 . . . . **XENON 133**  
 . . . XENON ISOTOPES  
 . . . . **XENON 133**  
 . RARE GASES  
 . . XENON  
 . . . XENON ISOTOPES  
 . . . . **XENON 133**  
 GASES  
 . RARE GASES  
 . . XENON  
 . . . XENON ISOTOPES  
 . . . . **XENON 133**

**XENON 135**

GS CHEMICAL ELEMENTS  
 . NUCLIDES  
 . . ISOTOPES

**XENON 135-(CONT.)**

. . . RADIOACTIVE ISOTOPES  
 . . . . **XENON 135**  
 . . . XENON ISOTOPES  
 . . . . **XENON 135**  
 . RARE GASES  
 . . XENON  
 . . . XENON ISOTOPES  
 . . . . **XENON 135**  
 GASES  
 . RARE GASES  
 . . XENON  
 . . . XENON ISOTOPES  
 . . . . **XENON 135**

**XEROGRAPHY**

GS IMAGERY  
 . REPRODUCTION (COPYING)  
 . . **XEROGRAPHY**  
 RT ELECTROSTATIC CHARGE  
 . PHOTOGRAPHS  
 . PHOTOGRAPHY

**XH-51 HELICOPTER**

UF AEROGYRO HELICOPTERS  
 . CL-595 HELICOPTER  
 . H-51 HELICOPTER  
 . LOCKHEED CL-595 HELICOPTER  
 . LOCKHEED 186 HELICOPTER  
 GS LOCKHEED AIRCRAFT  
 . **XH-51 HELICOPTER**  
 . RESEARCH AIRCRAFT  
 . **XH-51 HELICOPTER**  
 . V/STOL AIRCRAFT  
 . ROTARY WING AIRCRAFT  
 . . HELICOPTERS  
 . . . RIGID ROTOR HELICOPTERS  
 . . . . **XH-51 HELICOPTER**

**XI HYPERONS**

GS PARTICLES  
 . ELEMENTARY PARTICLES  
 . . BOSONS  
 . . . **XI HYPERONS**  
 . . . FERMIONS  
 . . . BARYONS  
 . . . HYPERONS  
 . . . . **XI HYPERONS**  
 . . . . NUCLEAR PARTICLES  
 . . . . BOSONS  
 . . . . **XI HYPERONS**

**XJ-34-WE-32 ENGINE**

USE J-34 ENGINE

**XJ-79-GE-1 ENGINE**

USE J-79 ENGINE

**XLR-91-AJ-5 ENGINE**

USE LR-91-AJ-5 ENGINE

**XLR-99 ENGINE**

GS ENGINES  
 . ROCKET ENGINES  
 . . LIQUID PROPELLANT ROCKET ENGINES  
 . . . **XLR-99 ENGINE**  
 RT X-15 AIRCRAFT

**XM-6 SQUIB**

USE SQUIBS

**XM-8 SQUIB**

USE SQUIBS

**XM-33 ENGINE**

UF TX-33-39 ENGINE  
 GS ENGINES  
 . ROCKET ENGINES  
 . . SOLID PROPELLANT ROCKET ENGINES  
 . . . **XM-33 ENGINE**  
 RT BLUE SCOUT ROCKET VEHICLE  
 . EXOS SOUNDING ROCKET  
 . LITTLE JOE 2 LAUNCH VEHICLE  
 . POLARIS MISSILES  
 . SCOUT LAUNCH VEHICLE  
 . TX-354 ENGINE

**XV-3 AIRCRAFT**

UF V-3 AIRCRAFT  
 GS BELL AIRCRAFT  
 . **XV-3 AIRCRAFT**  
 . V/STOL AIRCRAFT



## XV-4 AIRCRAFT

### XV-3 AIRCRAFT-(CONT.)

RT  $\infty$  AIRCRAFT  
TILTING ROTORS

### XV-4 AIRCRAFT

UF HUMMINGBIRD AIRCRAFT  
LOCKHEED XV-4A AIRCRAFT  
V-4 AIRCRAFT  
VZ-10 AIRCRAFT  
GS JET AIRCRAFT  
. **XV-4 AIRCRAFT**  
LOCKHEED AIRCRAFT  
. **XV-4 AIRCRAFT**  
MONOPLANES  
. **XV-4 AIRCRAFT**  
RESEARCH AIRCRAFT  
. **XV-4 AIRCRAFT**  
V/STOL AIRCRAFT  
VERTICAL TAKEOFF AIRCRAFT  
. **XV-4 AIRCRAFT**  
RT  $\infty$  AIRCRAFT

### XV-5 AIRCRAFT

UF V-5 AIRCRAFT  
VZ-11 AIRCRAFT  
XV-5A AIRCRAFT  
GS FAN IN WING AIRCRAFT  
. **XV-5 AIRCRAFT**  
JET AIRCRAFT  
. **XV-5 AIRCRAFT**  
MONOPLANES  
. **XV-5 AIRCRAFT**  
RESEARCH AIRCRAFT  
. **XV-5 AIRCRAFT**  
RYAN AIRCRAFT  
. **XV-5 AIRCRAFT**  
V/STOL AIRCRAFT  
. **XV-5 AIRCRAFT**  
RT  $\infty$  AIRCRAFT

### XV-5A AIRCRAFT

USE XV-5 AIRCRAFT

### XV-6A AIRCRAFT

USE P-1127 AIRCRAFT

### XV-8A AIRCRAFT

GS RESEARCH AIRCRAFT  
. **XV-8A AIRCRAFT**  
RYAN AIRCRAFT  
. **XV-8A AIRCRAFT**  
UTILITY AIRCRAFT  
. **XV-8A AIRCRAFT**  
V/STOL AIRCRAFT  
. **XV-8A AIRCRAFT**  
RT  $\infty$  AIRCRAFT  
FLEXIBLE WINGS

### XV-9A AIRCRAFT

UF V-9 AIRCRAFT  
GS HUGHES AIRCRAFT  
. **XV-9A AIRCRAFT**  
JET AIRCRAFT  
. **XV-9A AIRCRAFT**  
RESEARCH AIRCRAFT  
. **XV-9A AIRCRAFT**  
V/STOL AIRCRAFT  
ROTARY WING AIRCRAFT  
HELICOPTERS  
. **XV-9A AIRCRAFT**  
RT  $\infty$  AIRCRAFT  
TIP DRIVEN ROTORS

### XV-11A AIRCRAFT

GS RESEARCH AIRCRAFT  
. **XV-11A AIRCRAFT**  
V/STOL AIRCRAFT  
VERTICAL TAKEOFF AIRCRAFT  
. **XV-11A AIRCRAFT**  
RT  $\infty$  AIRCRAFT  
LIFT FANS  
SHROUDED PROPELLERS

### XV-15 AIRCRAFT

GS BELL AIRCRAFT  
. **XV-15 AIRCRAFT**  
V/STOL AIRCRAFT  
ROTARY WING AIRCRAFT  
TILT ROTOR AIRCRAFT  
. **XV-15 AIRCRAFT**  
RT  $\infty$  AIRCRAFT  
HELICOPTERS  
TILT ROTOR RESEARCH AIRCRAFT  
PROGRAM

## XYLENE

GS ORGANIC COMPOUNDS  
HYDROCARBONS  
. **XYLENE**  
RT TOLUENE

## XYLOSE

GS ORGANIC COMPOUNDS  
CARBOHYDRATES  
SUGARS  
MONOSACCHARIDES  
PENTOSE  
. **XYLOSE**

## Y

### YAG (GARNET)

USE YTTRIUM-ALUMINUM GARNET

### YAG LASERS

GS ELECTRONIC EQUIPMENT  
SOLID STATE DEVICES  
SOLID STATE LASERS  
. **YAG LASERS**  
STIMULATED EMISSION DEVICES  
LASERS  
SOLID STATE LASERS  
. **YAG LASERS**  
RT LASER HEATING  
LASER MATERIALS  
LASER OUTPUTS

### YAGI ANTENNAS

GS ANTENNAS  
DIRECTIONAL ANTENNAS  
. **YAGI ANTENNAS**  
ARRAYS  
ANTENNA ARRAYS  
LINEAR ARRAYS  
ENDFIRE ARRAYS  
. **YAGI ANTENNAS**  
RT ANTENNA DESIGN  
DIPOLE ANTENNAS  
DIRECTORS (ANTENNA ELEMENTS)  
WAVEGUIDE ANTENNAS

### YAK 40 AIRCRAFT

GS GENERAL AVIATION AIRCRAFT  
. **YAK 40 AIRCRAFT**  
JET AIRCRAFT  
. **YAK 40 AIRCRAFT**  
LIGHT AIRCRAFT  
. **YAK 40 AIRCRAFT**  
PASSENGER AIRCRAFT  
. **YAK 40 AIRCRAFT**  
RT  $\infty$  AIRCRAFT

### YANG-MILLS FIELDS

RT ELECTROMAGNETIC FIELDS  
FIELD THEORY (PHYSICS)  
GAUGE THEORY  
GRAVITATIONAL FIELDS  
PERTURBATION THEORY  
YANG-MILLS THEORY

### YANG-MILLS THEORY

RT FIELD THEORY (PHYSICS)  
GAUGE THEORY  
PERTURBATION THEORY  
SPACE-TIME FUNCTIONS  
STATISTICAL ANALYSIS  
SUPERGRAVITY  
THEORETICAL PHYSICS  
 $\infty$  THEORIES  
YANG-MILLS FIELDS

### YARNS

RT CORDAGE  
COTTON  
FIBERS  
 $\infty$  ROWINGS  
STRANDS  
WOOL

### YAW

UF DAMPING IN YAW  
FISHTAILING  
YAWMETERS  
GS ATTITUDE (INCLINATION)  
. **YAW**  
RT AERODYNAMIC STABILITY

## YAW-(CONT.)

DIRECTIONAL CONTROL  
DIRECTIONAL STABILITY  
LATERAL OSCILLATION  
 $\infty$  MOTION  
PITCH (INCLINATION)  
ROLL  
ROTATION  
SIDESLIP  
SKIDDING  
TURNING FLIGHT  
YAWING MOMENTS

### YAWING MOMENTS

GS MOMENTS  
STABILITY DERIVATIVES  
. **YAWING MOMENTS**  
RT AERODYNAMIC COEFFICIENTS  
LATERAL OSCILLATION  
MOMENTS OF INERTIA  
PITCHING MOMENTS  
ROLLING MOMENTS  
TORQUE  
YAW

### YAWMETERS

USE ATTITUDE INDICATORS  
YAW

### YC-14 AIRCRAFT

GS TRANSPORT AIRCRAFT  
CARGO AIRCRAFT  
. **YC-14 AIRCRAFT**  
RT  $\infty$  AIRCRAFT  
BOEING AIRCRAFT  
 $\infty$  MILITARY AIRCRAFT

### YC-15 AIRCRAFT

USE C-15 AIRCRAFT

### YC-123 AIRCRAFT

USE C-123 AIRCRAFT

### YEAST

GS PLANTS (BOTANY)  
FUNGI  
. **YEAST**  
RT  $\infty$  FOOD

### YELLOWSTONE NATIONAL PARK (ID-MT-WY)

GS LAND  
PARKS  
NATIONAL PARKS  
. **YELLOWSTONE NATIONAL PARK**  
(ID-MT-WY)  
RT IDAHO  
MONTANA  
WYOMING

### YEMEN

GS NATIONS  
. **YEMEN**  
RT ASIA

### YF-12 AIRCRAFT

GS ATTACK AIRCRAFT  
FIGHTER AIRCRAFT  
. **YF-12 AIRCRAFT**  
RT  $\infty$  AIRCRAFT  
AIRCRAFT DESIGN  
 $\infty$  INTERCEPTORS  
JET AIRCRAFT  
 $\infty$  MILITARY AIRCRAFT  
RECONNAISSANCE AIRCRAFT  
RESEARCH AIRCRAFT

### YF-16 AIRCRAFT

GS ATTACK AIRCRAFT  
FIGHTER AIRCRAFT  
. **YF-16 AIRCRAFT**  
SINGLE ENGINE AIRCRAFT  
. **YF-16 AIRCRAFT**  
RT  $\infty$  AIRCRAFT  
 $\infty$  MILITARY AIRCRAFT

### YF-17 AIRCRAFT

USE F-17 AIRCRAFT

### YF-102 AIRCRAFT

USE F-102 AIRCRAFT

### YHU-1 HELICOPTER

USE UH-1 HELICOPTER

## ZENER EFFECT

### YIELD

RT LOSSES  
OUTPUT

### YIELD POINT

UF DAMAGE THRESHOLD  
LUDER BANDS  
GS MECHANICAL PROPERTIES  
PLASTIC PROPERTIES  
YIELD POINT  
RT MICROYIELD STRENGTH  
TRESCA FLOW

### YIELD STRENGTH

GS MECHANICAL PROPERTIES  
YIELD STRENGTH  
MICROYIELD STRENGTH  
RT ELASTIC PROPERTIES  
FRACTURE STRENGTH  
HIGH STRENGTH  
J INTEGRAL  
PLASTIC DEFORMATION  
STRENGTH  
STRESS-STRAIN DIAGRAMS  
STRESS-STRAIN RELATIONSHIPS  
STRESSES  
TEMPERATURE INVERSIONS

### YIG (GARNET)

USE YTTRIUM-IRON GARNET

### YJ-73-GE-3 ENGINE

USE J-73 ENGINE

### YJ-79 ENGINE

USE J-79 ENGINE

### YJ-85 ENGINE

USE J-85 ENGINE

### YJ-93 ENGINE

USE J-93 ENGINE

### YJ-93-GE-3 ENGINE

USE J-93 ENGINE

### YJ73 TURBOJET ENGINE

USE J-73 ENGINE

### YLR-91-AJ-1 ENGINE

GS ENGINES  
ROCKET ENGINES  
LIQUID PROPELLANT ROCKET  
ENGINES  
YLR-91-AJ-1 ENGINE  
RT TITAN ICBM

### YLR-99-RM-1 ENGINE

USE LR-99 ENGINE

### YO-YO DEVICES

RT ANGULAR ACCELERATION  
GYROSCOPIC STABILITY  
SATELLITE ROTATION  
SPIN  
SPIN REDUCTION

### YOKES

RT BEAM WAVEGUIDES  
CONNECTORS  
COUPLERS  
COUPLES  
DEFLECTION  
DIRECTIONAL COUPLERS  
FERROMAGNETIC MATERIALS  
JOINING  
LINKAGES  
MAGNET COILS

### YOUNG MODULUS

USE MODULUS OF ELASTICITY

### YOUNG-HELMHOLTZ THEORY

RT COLOR VISION  
PHOTORECEPTORS  
THEORIES

### YOUTH

RT GROWTH  
HUMAN BEINGS

### YS-11 AIRCRAFT

UF NIHON YS-11 AIRCRAFT

### YS-11 AIRCRAFT-(CONT.)

GS JET AIRCRAFT  
TURBOPROP AIRCRAFT  
YS-11 AIRCRAFT  
MONOPLANES  
YS-11 AIRCRAFT  
NIHON AIRCRAFT  
YS-11 AIRCRAFT  
PASSENGER AIRCRAFT  
YS-11 AIRCRAFT  
TRANSPORT AIRCRAFT  
YS-11 AIRCRAFT

### YT-2 AIRCRAFT

USE T-2 AIRCRAFT

### YTTERBIUM

GS CHEMICAL ELEMENTS  
RARE EARTH ELEMENTS  
YTTERBIUM  
YTTERBIUM ISOTOPES  
METALS  
RARE EARTH ELEMENTS  
YTTERBIUM  
YTTERBIUM ISOTOPES

### YTTERBIUM COMPOUNDS

GS RARE EARTH COMPOUNDS  
YTTERBIUM COMPOUNDS  
RT CHEMICAL COMPOUNDS  
METAL COMPOUNDS

### YTTERBIUM ISOTOPES

GS CHEMICAL ELEMENTS  
RARE EARTH ELEMENTS  
YTTERBIUM  
YTTERBIUM ISOTOPES  
METALS  
RARE EARTH ELEMENTS  
YTTERBIUM  
YTTERBIUM ISOTOPES

### YTTRIUM

GS CHEMICAL ELEMENTS  
RARE EARTH ELEMENTS  
YTTRIUM  
YTTRIUM ISOTOPES  
METALS  
RARE EARTH ELEMENTS  
YTTRIUM  
YTTRIUM ISOTOPES  
TRANSITION METALS  
YTTRIUM  
YTTRIUM ISOTOPES

### YTTRIUM ALLOYS

GS ALLOYS  
YTTRIUM ALLOYS  
RT RARE EARTH ALLOYS

### YTTRIUM COMPOUNDS

GS YTTRIUM COMPOUNDS  
YTTRIUM OXIDES  
YTTRIUM-ALUMINUM GARNET  
YTTRIUM-IRON GARNET  
RT CHEMICAL COMPOUNDS  
GROUP 3B COMPOUNDS  
METAL COMPOUNDS

### YTTRIUM ISOTOPES

GS CHEMICAL ELEMENTS  
NUCLIDES  
ISOTOPES  
YTTRIUM ISOTOPES  
RARE EARTH ELEMENTS  
YTTRIUM  
YTTRIUM ISOTOPES  
METALS  
RARE EARTH ELEMENTS  
YTTRIUM  
YTTRIUM ISOTOPES  
TRANSITION METALS  
YTTRIUM  
YTTRIUM ISOTOPES

### YTTRIUM OXIDES

GS CHALCOGENIDES  
OXIDES  
METAL OXIDES  
YTTRIUM OXIDES  
YTTRIUM COMPOUNDS  
YTTRIUM OXIDES  
RT HIGH TEMPERATURE  
SUPERCONDUCTORS

### YTTRIUM-ALUMINUM GARNET

UF YAG (GARNET)  
GS MINERALS  
GARNETS  
YTTRIUM-ALUMINUM GARNET  
SILICON COMPOUNDS  
SILICATES  
GARNETS  
YTTRIUM-ALUMINUM GARNET  
YTTRIUM COMPOUNDS  
YTTRIUM-ALUMINUM GARNET  
RT FERRITES  
MAGNETOSTATIC AMPLIFIERS

### YTTRIUM-IRON GARNET

UF YIG (GARNET)  
GS MINERALS  
GARNETS  
YTTRIUM-IRON GARNET  
SILICON COMPOUNDS  
SILICATES  
GARNETS  
YTTRIUM-IRON GARNET  
YTTRIUM COMPOUNDS  
YTTRIUM-IRON GARNET  
RT FERRITES  
MAGNETOSTATIC AMPLIFIERS  
WAVEGUIDE TUNERS

### YUGOSLAVIA

GS NATIONS  
YUGOSLAVIA  
RT ADRIATIC SEA  
EUROPE

### YUH-1 HELICOPTER

USE UH-1 HELICOPTER

### YUH-60A HELICOPTER

USE UH-60A HELICOPTER

### YUH-61A HELICOPTER

USE UH-61A HELICOPTER

### YUKAWA POTENTIAL

RT MESON-NUCLEON INTERACTIONS  
POTENTIAL

### YUKON AIRCRAFT

USE CL-44 AIRCRAFT

### YUKON TERRITORY

GS NATIONS  
CANADA  
YUKON TERRITORY

## Z

### Z-37 AIRCRAFT

UF OMNIPOL Z-37 AIRCRAFT  
GS MONOPLANES  
Z-37 AIRCRAFT  
UTILITY AIRCRAFT  
Z-37 AIRCRAFT

### ZAIRE

UF BELGIAN CONGO  
CONGO (KINSHASA)  
GS NATIONS  
ZAIRE  
RT AFRICA

### ZAMBIA

GS NATIONS  
ZAMBIA  
RT AFRICA

### ZEEMAN EFFECT

RT EFFECTS  
MAGNETIC FIELDS  
SPECTROSCOPY  
SPECTRUM ANALYSIS  
STARK EFFECT  
VOIGT EFFECT

### ZENER DIODES

USE AVALANCHE DIODES

### ZENER EFFECT

RT BARRIER LAYERS  
CARRIER DENSITY (SOLID STATE)

## ZENITH

### ZENER EFFECT-(CONT.)

- ∞ CARRIERS
- ∞ EFFECTS
- ELECTRIC DISCHARGES
- FIELD EMISSION

### ZENITH

- RT ANTIPODES
- APEXES
- CELESTIAL SPHERE
- MAXIMA
- NOON
- SOLAR POSITION

### ZEOLITES

- GS SILICON COMPOUNDS
- SILICATES
- ∞ ZEOLITES
- RT ION EXCHANGE RESINS
- MINERALS

### ZERO ANGLE OF ATTACK

- GS GEOMETRY
- EUCLIDEAN GEOMETRY
- ∞ ANGLES (GEOMETRY)
- ∞ ANGLE OF ATTACK
- ∞ ZERO ANGLE OF ATTACK

### ZERO CROSSINGS

- USE ROOTS OF EQUATIONS

### ZERO FORCE CURVES

- RT CURVATURE
- ∞ CURVES
- ∞ FORCE

### ZERO GRAVITY

- USE WEIGHTLESSNESS

### ZERO LIFT

- GS AERODYNAMIC CHARACTERISTICS
- LIFT
- ∞ ZERO LIFT
- AERODYNAMIC FORCES
- LIFT
- ∞ ZERO LIFT
- DYNAMIC CHARACTERISTICS
- LIFT
- ∞ ZERO LIFT
- RT AERODYNAMIC STALLING
- BOUNDARY LAYER SEPARATION
- DISTRIBUTION (PROPERTY)

### ZERO POINT ENERGY

- RT ABSOLUTE ZERO
- FIELD THEORY (PHYSICS)
- KINETIC ENERGY
- THERMODYNAMIC PROPERTIES

### ZERO POWER REACTOR 2

- GS NUCLEAR REACTORS
- LIQUID COOLED REACTORS
- ∞ WATER COOLED REACTORS
- ∞ HEAVY WATER REACTORS
- ∞ ZERO POWER REACTOR 2
- ∞ ZERO POWER REACTORS
- ∞ ZERO POWER REACTOR 2
- NUCLEAR RESEARCH AND TEST REACTORS
- ∞ ZERO POWER REACTOR 2

### ZERO POWER REACTOR 3

- GS NUCLEAR REACTORS
- LIQUID COOLED REACTORS
- ∞ WATER COOLED REACTORS
- ∞ ZERO POWER REACTORS
- ∞ ZERO POWER REACTOR 3
- NUCLEAR RESEARCH AND TEST REACTORS
- ∞ ZERO POWER REACTOR 3

### ZERO POWER REACTOR 6

- GS NUCLEAR REACTORS
- LIQUID COOLED REACTORS
- ∞ WATER COOLED REACTORS
- ∞ ZERO POWER REACTORS
- ∞ ZERO POWER REACTOR 6
- NUCLEAR RESEARCH AND TEST REACTORS
- ∞ ZERO POWER REACTOR 6

### ZERO POWER REACTOR 9

- GS NUCLEAR REACTORS
- LIQUID COOLED REACTORS

### ZERO POWER REACTOR 9-(CONT.)

- ∞ WATER COOLED REACTORS
- ∞ ZERO POWER REACTORS
- ∞ ZERO POWER REACTOR 9
- NUCLEAR RESEARCH AND TEST REACTORS
- ∞ ZERO POWER REACTOR 9

### ZERO POWER REACTORS

- UF ZPR REACTORS
- GS NUCLEAR REACTORS
- LIQUID COOLED REACTORS
- ∞ WATER COOLED REACTORS
- ∞ ZERO POWER REACTORS
- ∞ ZERO POWER REACTOR 2
- ∞ ZERO POWER REACTOR 3
- ∞ ZERO POWER REACTOR 6
- ∞ ZERO POWER REACTOR 9

### ZERO SOUND

- GS ACOUSTIC PROPERTIES
- SOUND INTENSITY
- ∞ ZERO SOUND
- RATES (PER TIME)
- FLUX DENSITY
- SOUND INTENSITY
- ∞ ZERO SOUND
- RT ACOUSTIC ATTENUATION
- ACOUSTICS
- ANECHOIC CHAMBERS
- REFLECTION
- SILENCERS
- SUBAUDIBLE FREQUENCIES

### ZERO-G ACPL (SPACELAB)

- USE ATMOSPHERIC CLOUD PHYSICS LAB (SPACELAB)

### ZETA AURIGAE STAR

- GS CELESTIAL BODIES
- STARS
- ∞ DOUBLE STARS
- ∞ BINARY STARS
- ∞ ECLIPSING BINARY STARS
- ∞ ZETA AURIGAE STAR
- RT AURIGA CONSTELLATION

### ZETA PINCH

- GS PINCH EFFECT
- PLASMA PINCH
- ∞ ZETA PINCH
- RT CONTROLLED FUSION
- MAGNETOHYDRODYNAMIC STABILITY
- PLASMA COMPRESSION
- PLASMA CONTROL
- PLASMA ELECTRODES
- PLASMA FOCUS
- Q DEVICES
- ROTATING PLASMAS
- SCREW PINCH
- THETA PINCH

### ZETA THERMONUCLEAR REACTOR

- RT PINCH EFFECT
- THERMONUCLEAR POWER GENERATION
- THERMONUCLEAR REACTIONS

### ZEUS MISSILE

- USE NIKE-ZEUS MISSILE

### ZIEGLER CATALYST

- GS CATALYSTS
- ∞ ZIEGLER CATALYST
- RT POLYMERIZATION

### ZIMBABWE

- UF RHODESIA
- GS NATIONS
- ∞ ZIMBABWE
- RT AFRICA

### ZINC

- GS CHEMICAL ELEMENTS
- ∞ ZINC
- ∞ ZINC ISOTOPES
- METALS
- ∞ TRANSITION METALS
- ∞ ZINC
- ∞ ZINC ISOTOPES

### ZINC ALLOYS

- GS ALLOYS
- ∞ ZINC ALLOYS
- RT BEARING ALLOYS

### ZINC ALLOYS-(CONT.)

#### SOLDERS

### ZINC ANTIMONIDES

- GS ANTIMONY COMPOUNDS
- ANTIMONIDES
- ∞ ZINC ANTIMONIDES
- ZINC COMPOUNDS
- ∞ ZINC ANTIMONIDES

### ZINC CHLORIDES

- GS HALOGEN COMPOUNDS
- CHLORINE COMPOUNDS
- ∞ CHLORIDES
- ∞ ZINC CHLORIDES
- HALIDES
- ∞ CHLORIDES
- ∞ ZINC CHLORIDES
- METAL HALIDES
- ∞ ZINC CHLORIDES
- ZINC COMPOUNDS
- ∞ ZINC CHLORIDES

### ZINC COATINGS

- UF GALVANIZING
- GS COATINGS
- ∞ METAL COATINGS
- ∞ ZINC COATINGS
- RT PROTECTIVE COATINGS

### ZINC COMPOUNDS

- GS ZINC COMPOUNDS
- ∞ ZINC ANTIMONIDES
- ∞ ZINC CHLORIDES
- ∞ ZINC FLUORIDES
- ∞ ZINC OXIDES
- ∞ ZINC SELENIDES
- ∞ ZINC SULFIDES
- ∞ WURTZITE
- ∞ ZINCBLENDE
- ∞ ZINC TELLURIDES
- ∞ ZINC TUNGSTATES
- RT ∞ CHEMICAL COMPOUNDS
- ∞ GROUP 2B COMPOUNDS
- ∞ METAL COMPOUNDS

### ZINC FLUORIDES

- GS HALOGEN COMPOUNDS
- FLUORINE COMPOUNDS
- ∞ FLUORIDES
- ∞ METAL FLUORIDES
- ∞ ZINC FLUORIDES
- ZINC COMPOUNDS
- ∞ ZINC FLUORIDES

### ZINC ISOTOPES

- GS CHEMICAL ELEMENTS
- NUCLIDES
- ∞ ISOTOPES
- ∞ ZINC ISOTOPES
- ∞ ZINC
- ∞ ZINC ISOTOPES
- METALS
- ∞ TRANSITION METALS
- ∞ ZINC
- ∞ ZINC ISOTOPES

### ZINC NICKEL BATTERIES

- USE NICKEL ZINC BATTERIES

### ZINC OXIDES

- GS CHALCOGENIDES
- OXIDES
- ∞ METAL OXIDES
- ∞ ZINC OXIDES
- ZINC COMPOUNDS
- ∞ ZINC OXIDES

### ZINC SELENIDES

- GS CHALCOGENIDES
- SELENIDES
- ∞ ZINC SELENIDES
- SELENIUM COMPOUNDS
- SELENIDES
- ∞ ZINC SELENIDES
- ZINC COMPOUNDS
- ∞ ZINC SELENIDES
- RT SCHOTTKY DIODES

### ZINC SILVER BATTERIES

- USE SILVER ZINC BATTERIES

### ZINC SILVER OXIDE BATTERIES

- USE SILVER ZINC BATTERIES

**ZINC SULFIDES**

GS CHALCOGENIDES  
 . SULFIDES  
 . . INORGANIC SULFIDES  
 . . . **ZINC SULFIDES**  
 . . . . WURTZITE  
 . . . . ZINCBLLENDE  
 SULFUR COMPOUNDS  
 . SULFIDES  
 . . INORGANIC SULFIDES  
 . . . **ZINC SULFIDES**  
 . . . . WURTZITE  
 . . . . ZINCBLLENDE  
 ZINC COMPOUNDS  
 . **ZINC SULFIDES**  
 . . WURTZITE  
 . . ZINCBLLENDE

**ZINC TELLURIDES**

GS CHALCOGENIDES  
 . TELLURIDES  
 . . **ZINC TELLURIDES**  
 TELLURIUM COMPOUNDS  
 . TELLURIDES  
 . . **ZINC TELLURIDES**  
 ZINC COMPOUNDS  
 . **ZINC TELLURIDES**

**ZINC TUNGSTATES**

GS TUNGSTEN COMPOUNDS  
 . TUNGSTATES  
 . . **ZINC TUNGSTATES**  
 ZINC COMPOUNDS  
 . **ZINC TUNGSTATES**

**ZINC-BROMIDE BATTERIES**

GS ELECTROCHEMICAL CELLS  
 . ELECTRIC BATTERIES  
 . . STORAGE BATTERIES  
 . . . **ZINC-BROMIDE BATTERIES**  
 RT ZINC-CHLORINE BATTERIES

**ZINC-CHLORINE BATTERIES**

GS ELECTROCHEMICAL CELLS  
 . ELECTRIC BATTERIES  
 . . STORAGE BATTERIES  
 . . . **ZINC-CHLORINE BATTERIES**  
 RT ZINC-BROMIDE BATTERIES

**ZINC-OXYGEN BATTERIES**

GS ELECTRIC GENERATORS  
 . DIRECT POWER GENERATORS  
 . . PRIMARY BATTERIES  
 . . . METAL AIR BATTERIES  
 . . . . **ZINC-OXYGEN BATTERIES**  
 ELECTROCHEMICAL CELLS  
 . ELECTRIC BATTERIES  
 . . PRIMARY BATTERIES  
 . . . METAL AIR BATTERIES  
 . . . . **ZINC-OXYGEN BATTERIES**

**ZINCBLLENDE**

UF SPHALERITE  
 GS CHALCOGENIDES  
 . SULFIDES  
 . . INORGANIC SULFIDES  
 . . . **ZINC SULFIDES**  
 . . . . **ZINCBLLENDE**  
 MINERALS  
 . **ZINCBLLENDE**  
 SULFUR COMPOUNDS  
 . SULFIDES  
 . . INORGANIC SULFIDES  
 . . . **ZINC SULFIDES**  
 . . . . **ZINCBLLENDE**  
 ZINC COMPOUNDS  
 . **ZINC SULFIDES**  
 . . **ZINCBLLENDE**

**ZIPPER**

GS FASTENERS  
 . **ZIPPER**  
 RT HOLDERS

**ZIRCALOY 2 (TRADEMARK)**

GS ALLOYS  
 . ZIRCONIUM ALLOYS  
 . . ZIRCALOYS (TRADEMARK)  
 . . . **ZIRCALOY 2 (TRADEMARK)**

**ZIRCALOYS (TRADEMARK)**

GS ALLOYS  
 . ZIRCONIUM ALLOYS  
 . . **ZIRCALOYS (TRADEMARK)**

**ZIRCALOYS (TRADEMARK)-(CONT.)**

. . . ZIRCALOY 2 (TRADEMARK)  
 RT IRON ALLOYS  
 TIN ALLOYS

**ZIRCONATES**

GS ZIRCONIUM COMPOUNDS  
 . **ZIRCONATES**  
 . . BARIUM ZIRCONATES  
 . . . STRONTIUM ZIRCONATES

**ZIRCONIUM**

GS CHEMICAL ELEMENTS  
 . **ZIRCONIUM**  
 . . ZIRCONIUM ISOTOPES  
 . . . ZIRCONIUM 95  
 METALS  
 . TRANSITION METALS  
 . . **ZIRCONIUM**  
 . . . ZIRCONIUM ISOTOPES  
 . . . . ZIRCONIUM 95

**ZIRCONIUM ALLOYS**

GS ALLOYS  
 . **ZIRCONIUM ALLOYS**  
 . . ZIRCALOYS (TRADEMARK)  
 . . . ZIRCALOY 2 (TRADEMARK)  
 RT HAFNIUM ALLOYS  
 LITHIUM ALLOYS

**ZIRCONIUM CARBIDES**

GS CARBON COMPOUNDS  
 . CARBIDES  
 . . **ZIRCONIUM CARBIDES**  
 ZIRCONIUM COMPOUNDS  
 . **ZIRCONIUM CARBIDES**

**ZIRCONIUM COMPOUNDS**

GS **ZIRCONIUM COMPOUNDS**  
 . ZIRCONATES  
 . . BARIUM ZIRCONATES  
 . . . STRONTIUM ZIRCONATES  
 . ZIRCONIUM CARBIDES  
 . ZIRCONIUM HYDRIDES  
 . ZIRCONIUM IODIDES  
 . ZIRCONIUM NITRIDES  
 . ZIRCONIUM OXIDES  
 . ZIRCONIUM TITANATES  
 RT  $\infty$ CHEMICAL COMPOUNDS  
 $\infty$ GROUP 4B COMPOUNDS  
 $\infty$ METAL COMPOUNDS

**ZIRCONIUM HYDRIDES**

GS HYDROGEN COMPOUNDS  
 . HYDRIDES  
 . . **ZIRCONIUM HYDRIDES**  
 ZIRCONIUM COMPOUNDS  
 . **ZIRCONIUM HYDRIDES**

**ZIRCONIUM IODIDES**

GS HALOGEN COMPOUNDS  
 . HALIDES  
 . . METAL HALIDES  
 . . . **ZIRCONIUM IODIDES**  
 . IODINE COMPOUNDS  
 . . IODIDES  
 . . . **ZIRCONIUM IODIDES**  
 ZIRCONIUM COMPOUNDS  
 . **ZIRCONIUM IODIDES**

**ZIRCONIUM ISOTOPES**

GS CHEMICAL ELEMENTS  
 . NUCLIDES  
 . . ISOTOPES  
 . . . **ZIRCONIUM ISOTOPES**  
 . . . . ZIRCONIUM 95  
 . ZIRCONIUM  
 . . **ZIRCONIUM ISOTOPES**  
 . . . ZIRCONIUM 95  
 METALS  
 . TRANSITION METALS  
 . . ZIRCONIUM  
 . . . **ZIRCONIUM ISOTOPES**  
 . . . . ZIRCONIUM 95

**ZIRCONIUM NITRIDES**

GS NITROGEN COMPOUNDS  
 . NITRIDES  
 . . METAL NITRIDES  
 . . . **ZIRCONIUM NITRIDES**  
 ZIRCONIUM COMPOUNDS  
 . **ZIRCONIUM NITRIDES**

**ZONAL FLOW (METEOROLOGY)****ZIRCONIUM OXIDES**

GS CHALCOGENIDES  
 . OXIDES  
 . . METAL OXIDES  
 . . . **ZIRCONIUM OXIDES**  
 ZIRCONIUM COMPOUNDS  
 . **ZIRCONIUM OXIDES**

**ZIRCONIUM TITANATES**

GS TITANIUM COMPOUNDS  
 . TITANATES  
 . . **ZIRCONIUM TITANATES**  
 ZIRCONIUM COMPOUNDS  
 . **ZIRCONIUM TITANATES**

**ZIRCONIUM 95**

GS CHEMICAL ELEMENTS  
 . NUCLIDES  
 . . ISOTOPES  
 . . . RADIOACTIVE ISOTOPES  
 . . . . **ZIRCONIUM 95**  
 . . . . ZIRCONIUM ISOTOPES  
 . . . . **ZIRCONIUM 95**  
 . ZIRCONIUM  
 . . ZIRCONIUM ISOTOPES  
 . . . **ZIRCONIUM 95**  
 METALS  
 . TRANSITION METALS  
 . . ZIRCONIUM  
 . . . ZIRCONIUM ISOTOPES  
 . . . . **ZIRCONIUM 95**

**ZODIAC**

RT CONSTELLATIONS  
 ECLIPTIC  
 SCORPIUS CONSTELLATION  
 SCUTUM CONSTELLATION

**ZODIACAL DUST**

GS CELESTIAL BODIES  
 . METEORIODS  
 . . MICROMETEORIODS  
 . . . METEORIOD DUST CLOUDS  
 . . . . **ZODIACAL DUST**  
 MEDIA  
 . INTERPLANETARY MEDIUM  
 . . INTERPLANETARY DUST  
 . . . METEORIOD DUST CLOUDS  
 . . . . **ZODIACAL DUST**  
 PARTICLES  
 . DUST  
 . . COSMIC DUST  
 . . . INTERPLANETARY DUST  
 . . . . METEORIOD DUST CLOUDS  
 . . . . . **ZODIACAL DUST**  
 RT EXPLORER SATELLITES  
 MICROMETEORITES  
 POYNTING-ROBERTSON EFFECT  
 TERRESTRIAL DUST BELT

**ZODIACAL LIGHT**

GS ELECTROMAGNETIC RADIATION  
 . LIGHT (VISIBLE RADIATION)  
 . . **ZODIACAL LIGHT**  
 EXTRATERRESTRIAL RADIATION  
 . **ZODIACAL LIGHT**  
 GEGENSCHNEID  
 HELIOS PROJECT  
 MICROMETEORIODS  
 NIGHT SKY  
 POLARIZED LIGHT  
 POYNTING-ROBERTSON EFFECT  
 SKY BRIGHTNESS  
 SOLAR RADIATION  
 SUNLIGHT

**ZONAL CIRCULATION**

USE ZONAL FLOW (METEOROLOGY)

**ZONAL EARTH ENERGY BUDGET EXPERIMENT**

USE LZEEBE SATELLITE

**ZONAL FLOW (METEOROLOGY)**

UF ZONAL CIRCULATION  
 GS CIRCULATION  
 . ATMOSPHERIC CIRCULATION  
 . . **ZONAL FLOW (METEOROLOGY)**  
 RT AIR CURRENTS  
 ANNUAL VARIATIONS  
 BAROCLINIC INSTABILITY  
 BAROCLINIC WAVES  
 CIRCUMPOLAR WESTERLIES  
 CLIMATOLOGY  
 INTERTROPICAL CONVERGENT ZONES  
 JET STREAMS (METEOROLOGY)

## ZONAL HARMONICS

### ZONAL FLOW (METEOROLOGY)-(CONT.)

- MERIDIONAL FLOW
- METEOROLOGY
- MIDDLE ATMOSPHERE
- MIXING HEIGHT
- PLANETARY WAVES
- WIND (METEOROLOGY)
- WIND DIRECTION
- WIND PROFILES

### ZONAL HARMONICS

- GS ANALYSIS (MATHEMATICS)
- FUNCTIONAL ANALYSIS
- HARMONIC ANALYSIS
- ZONAL HARMONICS
- HARMONICS
- ZONAL HARMONICS

### ZOND SPACE PROBES

- GS INTERPLANETARY SPACECRAFT
  - ZOND SPACE PROBES
    - ZOND 1 SPACE PROBE
    - ZOND 2 SPACE PROBE
    - ZOND 3 SPACE PROBE
    - ZOND 4 SPACE PROBE
    - ZOND 5 SPACE PROBE
    - ZOND 6 SPACE PROBE
    - ZOND 7 SPACE PROBE
    - ZOND 8 SPACE PROBE
- SOVIET SPACECRAFT
  - ZOND SPACE PROBES
    - ZOND 1 SPACE PROBE
    - ZOND 2 SPACE PROBE
    - ZOND 3 SPACE PROBE
    - ZOND 4 SPACE PROBE
    - ZOND 5 SPACE PROBE
    - ZOND 6 SPACE PROBE
    - ZOND 7 SPACE PROBE
    - ZOND 8 SPACE PROBE
- UNMANNED SPACECRAFT
  - ZOND SPACE PROBES
    - ZOND 1 SPACE PROBE
    - ZOND 2 SPACE PROBE
    - ZOND 3 SPACE PROBE
    - ZOND 4 SPACE PROBE
    - ZOND 5 SPACE PROBE
    - ZOND 6 SPACE PROBE
    - ZOND 7 SPACE PROBE
    - ZOND 8 SPACE PROBE
- RT MARS PROBES

### ZOND 1 SPACE PROBE

- GS INTERPLANETARY SPACECRAFT
  - VENUS PROBES
    - ZOND 1 SPACE PROBE
  - ZOND SPACE PROBES
    - ZOND 1 SPACE PROBE
- SOVIET SPACECRAFT
  - ZOND SPACE PROBES
    - ZOND 1 SPACE PROBE
- UNMANNED SPACECRAFT
  - SPACE PROBES
    - VENUS PROBES
      - ZOND 1 SPACE PROBE
    - ZOND SPACE PROBES
      - ZOND 1 SPACE PROBE

### ZOND 2 SPACE PROBE

- GS INTERPLANETARY SPACECRAFT
  - MARS PROBES
    - ZOND 2 SPACE PROBE
  - ZOND SPACE PROBES
    - ZOND 2 SPACE PROBE
- SOVIET SPACECRAFT
  - ZOND SPACE PROBES
    - ZOND 2 SPACE PROBE
- UNMANNED SPACECRAFT
  - SPACE PROBES
    - MARS PROBES
      - ZOND 2 SPACE PROBE
    - ZOND SPACE PROBES
      - ZOND 2 SPACE PROBE

### ZOND 3 SPACE PROBE

- GS INTERPLANETARY SPACECRAFT
  - VENUS PROBES
    - ZOND 3 SPACE PROBE
  - ZOND SPACE PROBES
    - ZOND 3 SPACE PROBE
- SOVIET SPACECRAFT
  - ZOND SPACE PROBES
    - ZOND 3 SPACE PROBE
- UNMANNED SPACECRAFT
  - SPACE PROBES
    - VENUS PROBES

### ZOND 3 SPACE PROBE-(CONT.)

- ZOND 3 SPACE PROBE
- ZOND SPACE PROBES
- ZOND 3 SPACE PROBE

### ZOND 4 SPACE PROBE

- GS INTERPLANETARY SPACECRAFT
  - VENUS PROBES
    - ZOND 4 SPACE PROBE
  - ZOND SPACE PROBES
    - ZOND 4 SPACE PROBE
- SOVIET SPACECRAFT
  - ZOND SPACE PROBES
    - ZOND 4 SPACE PROBE
- UNMANNED SPACECRAFT
  - SPACE PROBES
    - VENUS PROBES
      - ZOND 4 SPACE PROBE
    - ZOND SPACE PROBES
      - ZOND 4 SPACE PROBE

### ZOND 5 SPACE PROBE

- GS INTERPLANETARY SPACECRAFT
  - VENUS PROBES
    - ZOND 5 SPACE PROBE
  - ZOND SPACE PROBES
    - ZOND 5 SPACE PROBE
- SOVIET SPACECRAFT
  - ZOND SPACE PROBES
    - ZOND 5 SPACE PROBE
- UNMANNED SPACECRAFT
  - SPACE PROBES
    - VENUS PROBES
      - ZOND 5 SPACE PROBE
    - ZOND SPACE PROBES
      - ZOND 5 SPACE PROBE

### ZOND 6 SPACE PROBE

- GS INTERPLANETARY SPACECRAFT
  - VENUS PROBES
    - ZOND 6 SPACE PROBE
  - ZOND SPACE PROBES
    - ZOND 6 SPACE PROBE
- SOVIET SPACECRAFT
  - ZOND SPACE PROBES
    - ZOND 6 SPACE PROBE
- UNMANNED SPACECRAFT
  - SPACE PROBES
    - VENUS PROBES
      - ZOND 6 SPACE PROBE
    - ZOND SPACE PROBES
      - ZOND 6 SPACE PROBE

### ZOND 7 SPACE PROBE

- GS INTERPLANETARY SPACECRAFT
  - VENUS PROBES
    - ZOND 7 SPACE PROBE
  - ZOND SPACE PROBES
    - ZOND 7 SPACE PROBE
- SOVIET SPACECRAFT
  - ZOND SPACE PROBES
    - ZOND 7 SPACE PROBE
- UNMANNED SPACECRAFT
  - SPACE PROBES
    - VENUS PROBES
      - ZOND 7 SPACE PROBE
    - ZOND SPACE PROBES
      - ZOND 7 SPACE PROBE

### ZOND 8 SPACE PROBE

- GS INTERPLANETARY SPACECRAFT
  - VENUS PROBES
    - ZOND 8 SPACE PROBE
  - ZOND SPACE PROBES
    - ZOND 8 SPACE PROBE
- SOVIET SPACECRAFT
  - ZOND SPACE PROBES
    - ZOND 8 SPACE PROBE
- UNMANNED SPACECRAFT
  - SPACE PROBES
    - VENUS PROBES
      - ZOND 8 SPACE PROBE
    - ZOND SPACE PROBES
      - ZOND 8 SPACE PROBE

### ZONE MELTING

- UF ZONE REFINING
- GS PHASE TRANSFORMATIONS
  - FREEZING
  - ZONE MELTING
- RT ARC MELTING
- CRYSTALLIZATION
- FLOAT ZONES
- MELTING
- PURIFICATION

### ZONE MELTING-(CONT.)

- REFINING
- SEPARATION
- ULTRAPURE METALS
- VACUUM MELTING

### ZONE REFINING

- USE ZONE MELTING

### ZONES

- USE REGIONS

### ZOOLOGY

- SN *(USE OF A MORE SPECIFIC TERM IS RECOMMENDED--CONSULT THE TERMS LISTED BELOW)*
- RT ANIMALS
- BOTANY
- ENTOMOLOGY
- SCIENCE
- TAXONOMY

### ZOOM LENSES

- GS LENSES
- ZOOM LENSES
- RT LENS DESIGN

### ZOOPLANKTON

- GS ANIMALS
- ZOOPLANKTON
- PLANKTON
- ZOOPLANKTON
- RT MARINE BIOLOGY
- PHYTOPLANKTON

### ZPR REACTORS

- USE ZERO POWER REACTORS

### ZUNI ROCKET VEHICLE

- GS ROCKET VEHICLES
- SINGLE STAGE ROCKET VEHICLES
- ZUNI ROCKET VEHICLE
- RT SOLID PROPELLANT ROCKET ENGINES

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